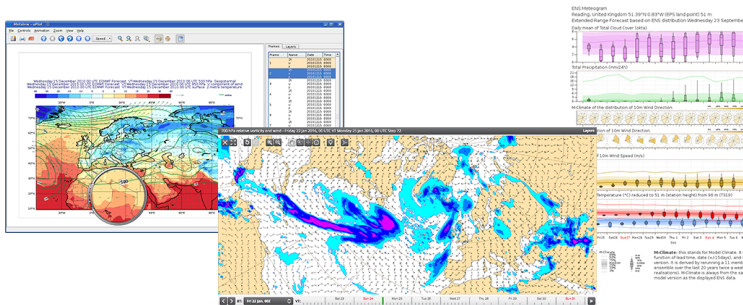


# Magics

blocked URLblocked URL blocked URLblocked URLblocked URL

## What is Magics



**Magics** is ECMWF's meteorological plotting software and can be either accessed directly through its Python or Fortran interfaces or by using [Metview](#).

**Magics** supports the plotting of contours, wind fields, observations, satellite images, symbols, text, axis and graphs (including boxplots). Data fields to be plotted may be presented in various formats, for instance GRIB 1 and 2 code data, gaussian grid, regularly spaced grid and fitted data. GRIB data is handled via ECMWF's [ecCodes](#) software. Input data can also be in BUFR and NetCDF format or retrieved from an ODB database. The produced meteorological plots can be saved in various formats, such as PostScript, EPS, PDF, GIF, PNG and SVG.

**Magics** uses the *Terralib* library in cooperation with Brazil's INPE.

## Report a bug or issue

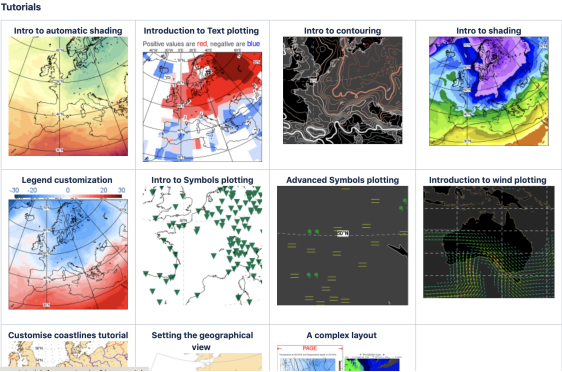
Please report any issues via our [Support Portal](#)

## Quick links

- [Download](#)
- [Installation](#)
- [Using Magics](#)
- [Training material](#)
- [Reference guide](#)
- [Magics Frequently Asked Questions - FAQs](#)

Jupyter notebooks

Want to have a quick look at the gallery: have a go at [blocked URL](#)



Search this space ...

Releases

The tarballs below are released under Apache License 2.0. For a list of changes between version please see [the Change History](#). Please consult the [installation guide](#) on how to compile and install Magics.

File	Modified
ZIP Archive Magics-4.15.4-Source.tar.gz	Apr 15, 2024 by Iain Russell
ZIP Archive Magics-4.15.3-Source.tar.gz	Feb 28, 2024 by Iain Russell
ZIP Archive Magics-4.15.2-Source.tar.gz	Feb 07, 2024 by Iain Russell
ZIP Archive Magics-4.15.0-Source.tar.gz	Dec 14, 2023 by Iain Russell
ZIP Archive Magics-4.14.2-Source.tar.gz	Aug 04, 2023 by Iain Russell
ZIP Archive Magics-4.14.1-Source.tar.gz	Jul 11, 2023 by Iain Russell
ZIP Archive Magics-4.13.0-Source.tar.gz	Jan 27, 2023 by Iain Russell
File Magics-4.12.1-Source.tar.gz	Aug 24, 2022 by Application deploy
File Magics-4.12.0-Source.tar.gz	May 18, 2022 by Application deploy
File Magics-4.11.0-Source.tar.gz	Mar 04, 2022 by Application deploy
File Magics-4.10.0-Source.tar.gz	Dec 07, 2021 by Application deploy
File Magics-4.9.4-Source.tar.gz	Oct 25, 2021 by Application deploy
File Magics-4.9.3-Source.tar.gz	Oct 04, 2021 by Application deploy
ZIP Archive Magics-4.9.1-Source.tar.gz	Sep 30, 2021 by Iain Russell
File Magics-4.9.0-Source.tar.gz	Aug 26, 2021 by Application deploy
File Magics-4.8.2-Source.tar.gz	Jun 17, 2021 by Application deploy

File Magics-4.8.0-Source.tar.gz	May 19, 2021 by Application deploy
File Magics-4.6.0-Source.tar.gz	Mar 24, 2021 by Application deploy
File Magics-4.5.3-Source.tar.gz	Jan 20, 2021 by Application deploy
File Magics-4.5.2-Source.tar.gz	Dec 10, 2020 by Application deploy
File Magics-4.5.1-Source.tar.gz	Nov 09, 2020 by Application deploy
File Magics-4.5.0-Source.tar.gz	Oct 15, 2020 by Application deploy
File Magics-4.4.1-Source.tar.gz	Jul 29, 2020 by Application deploy
File Magics-4.4.0-Source.tar.gz	Jun 24, 2020 by Application deploy
ZIP Archive Magics-4.3.3-Source.tar.gz Hotfix release for external users	Apr 14, 2020 by Stephan Siemen
ZIP Archive Magics-4.3.1-Source.tar.gz	Mar 31, 2020 by Iain Russell
File Magics-4.3.0-Source.tar.gz production release	Mar 10, 2020 by Application deploy
ZIP Archive Magics-4.2.6-Source.tar.gz	Jan 15, 2020 by Sylvie Lamy-Thepaut
File Magics-4.2.4-Source.tar.gz production release	Jan 14, 2020 by Application deploy
File Magics-4.2.3-Source.tar.gz production release	Nov 28, 2019 by Application deploy
File Magics-4.2.0-Source.tar.gz production release	Oct 04, 2019 by Application deploy
File Magics-4.1.0-Source.tar.gz production release	Sep 19, 2019 by Application deploy
ZIP Archive Magics-4.1.3-Source.tar.gz Fixes for conda	Sep 06, 2019 by Iain Russell
ZIP Archive Magics-4.1.2-Source.tar.gz proj4 fix	Jul 23, 2019 by Iain Russell
ZIP Archive Magics-4.1.1-Source.tar.gz Windows bugfix	Jul 22, 2019 by Iain Russell
File Magics-4.0.3-Source.tar.gz production release	May 09, 2019 by Application deploy
ZIP Archive Magics-4.0.2-Source.tar.gz HotFix to compile with Proj4 6.0	Apr 04, 2019 by Stephan Siemen
File Magics-4.0.0-Source.tar.gz production release	Feb 14, 2019 by Application deploy
File Magics-3.3.1-Source.tar.gz production release	Dec 05, 2018 by Application deploy
File Magics-3.2.2-Source.tar.gz production release	Nov 14, 2018 by Application deploy
File Magics-3.2.1-Source.tar.gz production release	Oct 22, 2018 by Application deploy
File Magics-3.2.0-Source.tar.gz production release	Sep 27, 2018 by Application deploy
ZIP Archive Magics-3.1.0-Source.tar.gz June release	Jun 19, 2018 by Sylvie Lamy-Thepaut
File Magics-3.0.4-Source.tar.gz production release	May 10, 2018 by Application deploy
ZIP Archive Magics-3.0.3-Source.tar.gz HotFix version	Apr 23, 2018 by Sylvie Lamy-Thepaut
ZIP Archive Magics-3.0.0-Source.tar.gz First Version python3 ready	Dec 20, 2017 by Sylvie Lamy-Thepaut
ZIP Archive Magics-2.34.3-Source.tar.gz	Oct 02, 2017 by Sylvie Lamy-Thepaut
ZIP Archive Magics-2.34.1-Source.tar.gz	Jul 13, 2017 by Sylvie Lamy-Thepaut
ZIP Archive Magics-2.33.0-Source.tar.gz	May 31, 2017 by Sylvie Lamy-Thepaut
ZIP Archive Magics-2.32.0-Source.tar.gz	Mar 23, 2017 by Sylvie Lamy-Thepaut

ZIP Archive Magics-2.31.0-Source.tar.gz	Jan 30, 2017 by Sylvie Lamy-Thepaut
ZIP Archive Magics-2.30.0-Source.tar.gz	Nov 23, 2016 by Sylvie Lamy-Thepaut
ZIP Archive Magics-2.29.6-Source.tar.gz	Oct 19, 2016 by Sylvie Lamy-Thepaut
ZIP Archive Magics-2.29.4-Source.tar.gz Few bug fixes	Aug 02, 2016 by Sylvie Lamy-Thepaut
ZIP Archive Magics-2.29.0-Source.tar.gz Few bug fixes	May 11, 2016 by Sylvie Lamy-Thepaut
ZIP Archive Magics-2.28.0-Source.tar.gz New coastlines	Mar 17, 2016 by Sylvie Lamy-Thepaut
ZIP Archive Magics-2.26.2-Source.tar.gz Fix issues with wind plotting and streamlines	Dec 30, 2015 by Sylvie Lamy-Thepaut
ZIP Archive Magics-2.24.7-Source.tar.gz latest export vesion [Minor bug fixes]	May 14, 2015 by Sylvie Lamy-Thepaut
File Magics-2.22.7-Source.tar.gz export Version ( using CMake) - added CMake info	Mar 10, 2015 by Sylvie Lamy-Thepaut
ZIP Archive Magics-2.18.15.tar.gz Maintenance update	Apr 17, 2013 by Stephan Siemen
ZIP Archive Magics-2.16.1.tar.gz Maintenance update (fix for Ubuntu 12.04 and Contouring)	Aug 14, 2012 by Stephan Siemen
ZIP Archive Magics-2.14.11.tar.gz Bug fixes	May 11, 2012 by Stephan Siemen

[Download All](#)

## Recently Updated

[Magics-4.15.4-Source.tar.gz](#)

Apr 15, 2024 • attached by [Iain Russell](#)

[Magics-4.15.3-Source.tar.gz](#)

Feb 28, 2024 • attached by [Iain Russell](#)

[Skinny WMS](#)

Feb 12, 2024 • updated by [Milana Vuckovic](#) • [view change](#)

[Magics-4.15.2-Source.tar.gz](#)

Feb 07, 2024 • attached by [Iain Russell](#)

[Symbols 7 - Advanced symbol](#)

Feb 05, 2024 • updated by [Milana Vuckovic](#) • [view change](#)

[Symbols 6 - Cloud type symbol](#)

Feb 05, 2024 • updated by [Milana Vuckovic](#) • [view change](#)

[Symbols 5 - Total clouds amount](#)

Feb 05, 2024 • updated by [Milana Vuckovic](#) • [view change](#)

[Symbols 4 - Weather symbols](#)

Feb 05, 2024 • updated by [Milana Vuckovic](#) • [view change](#)

[Symbols 3 - Pictogram symbol](#)

Feb 05, 2024 • updated by [Milana Vuckovic](#) • [view change](#)

[Symbols 2 - Symbol with text](#)

Feb 05, 2024 • updated by [Milana Vuckovic](#) • [view change](#)

[Symbols 1 - Simple symbol](#)

Feb 05, 2024 • updated by [Milana Vuckovic](#) • [view change](#)

[Symbols tutorial 2 - Advanced Symbols plotting](#)

Feb 05, 2024 • updated by [Milana Vuckovic](#) • [view change](#)

[Contours 13 - ECMWF style](#)

Feb 05, 2024 • updated by [Milana Vuckovic](#) • [view change](#)

[Contours 12 - Cell shading](#)

Feb 05, 2024 • updated by [Milana Vuckovic](#) • [view change](#)

[Contours 11 - Grid shading](#)

Feb 05, 2024 • updated by [Milana Vuckovic](#) • [view change](#)