

2D and 3D visualization with Paraview

You can load ICON Data directly into the 3D Visualization software paraview using the CDI reader. Paraview allows for interactive visualization, and also has a python interface for scripting. It cannot handle things like lat/lon labels at the margins of your plot for publications.

On levante, you will need to use one of the GPU/Visualization nodes as described in <https://www.dkrz.de/up/services/analysis/visualization/visualization-on-mistral>

Find tutorials for the use of paraview at

- <https://www.dkrz.de/up/services/analysis/visualization/sw/paraview/tutorial>
- <https://visualisation.gitlab-pages.dkrz.de/documentation/Paraview/index.html> (will move soon-ish)
- Python-Use:
<https://www.dkrz.de/up/services/analysis/visualization/sw/paraview/tutorial/paraview-with-pvbatch>

The standard paraview version expects either the lat/lon bounds to be present in the file you are opening, or a grid file matching the file you are currently opening with the name "grid.nc" in the directory of the data.

From:

<https://wiki.mpimet.mpg.de/> - **MPI Wiki**

Permanent link:

https://wiki.mpimet.mpg.de/doku.php?id=analysis:postprocessing_icon:3.plotting:paraview:start

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