

NCO

The NetCDF Operators

Description

The netCDF Operators, or NCO, are a suite of file operators which facilitate manipulation and analysis of self-describing data stored in the (freely available) netCDF and HDF formats.

Vendor	NCO	
Installation Path	/sw/dataformats/nco/\$version	
Versions	4.7.7	4.9.1 (default)
Build Date	2018	April 2019

- Man pages are available for the binaries (see below).
- Info pages can be viewed for the keyword nco. Issue from the command line `info nco`.
- Manuals in several formats can be loaded from the [NCO home page](#).

Binaries

The following binaries are delivered: `ncap2 ncatted ncbo ncclimo ncdiff ncea ncecat nces ncflint ncks ncpdq ncra ncrat ncremap ncrename ncwa`

Usage of the NCO tools at HLRN

Module-files and environment variables

To activate the package, issue

```
module load nco
```

from the command line.

Installation hints

4.9.1

- build with intel/19.0.3, due to an compiler error full optimisation does not work
 - prerequisites: hdf5, netcdf, antlr, gsl, udunits2
 - passed through most checks, except expected failures. omp-related checks did not work - possibly due to missing omp environment. Since `nco` is mostly IO-limited, this should not matter. omp-capabilities are not tested yet.
 - [install script](#)
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