

Summary of Conventions

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Table 1 summarises the naming convention for the variables used in netCDF files (converted from the odb files with the *readodbfile_station.py* script). The variable definition, their naming convention, and the physics units follow the preliminary CDM-common data model agreement, that can be found at:

https://github.com/glamod/common_data_model/

https://github.com/glamod/common_data_model/blob/master/tables/observed_variable.dat

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Variable	CDM Name	Units	Description
pressure	pressure	[Pa]	pressure of air column at specified height
dewpoint	dew point temperature	[K]	Dew point temperature is the temperature at which a parcel of air reaches saturation upon being cooled at constant pressure and specific humidity.
wind	wind	[m s-1]	Speed is the magnitude of velocity. Wind is defined as a two-dimensional (horizontal) air velocity vector, with no vertical component. (Vertical motion in the atmosphere has the standard name upward air velocity.) The wind speed is the magnitude of the wind velocity. Lot 1 uses ff - WMO abbrev.
humidity	specific humidity	[g kg-1]	specific means per unit mass. Specific humidity is the mass fraction of water vapor in (moist) air.

Table 1. Definition of naming convention, description and units for the variables contained in the netCDF files.