Note on NetCDF Data File Variable Units

This dataset was originally created in the NSF NCAR/EOL QCF format which is a columnar ASCII format and the original documentation file described that format.

The NetCDF files were developed using the [CF Metadata Conventions](#) which defines a set of [Standard Names and Canonical Units](#) for variables. This necessitated unit conversions for several parameters for the NetCDF files.

time - Converted from UTC date and time to seconds since 1970-01-01.

time_nominal - Converted from UTC date and time to seconds since 1970-01-01.

surface_air_pressure - Converted from mbar to pascal.

air_pressure_at_mean_sea_level - Converted from mbar to pascal.

air_pressure_at_mean_sea_level_computed - Converted from mbar to pascal.

air_temperature - Converted from celsius to kelvin.

dew_point_temperature - converted from celsius to kelvin.

precipitation_amount - units are noted as kg m-2 from mm although there was no conversion of the value necessary.

cloud_base_altitude - converted from hundreds of feet to meters.