



Examples of plot type "SeaIce_ancyc"

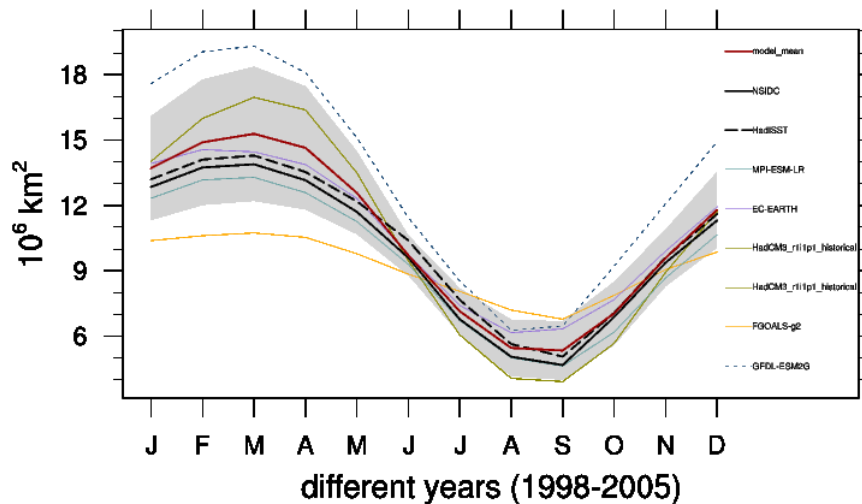
This plot type is part of the test suite described on the [SeaIce diagnostics](#) wiki page. It plots multi-year monthly mean sea ice area and sea ice extent versus time of year. Sea Ice area is the hemispheric sum of [sea ice concentration](#) times grid cell area. [Sea ice extent](#) is the hemispheric sum of grid cell areas that have a sea ice concentration of at least 15%.

If the original data are on an irregular grid, they must be assigned to a project (in main nml) that is designed to handle that (e.g. CMIP5_gridfile). SeaIce_ancyc also handles data on regular grids (e.g. project CMIP5). All lines will be drawn for the time range specified for each model in the main nml, which might vary.

There is the option to include multi-model mean (as line) and +/-1 standard deviation (grey shading) in the plots. This is controlled via the var_att nml (switching on/off) and the style function (individual selection of models that shall contribute to the statistics).

The time axis annotation indicates whether monthly mean values are based on identical or different years for all models.

Multi-year monthly mean Arctic Sea Ice Area



Multi-year monthly mean Arctic Sea Ice Extent

