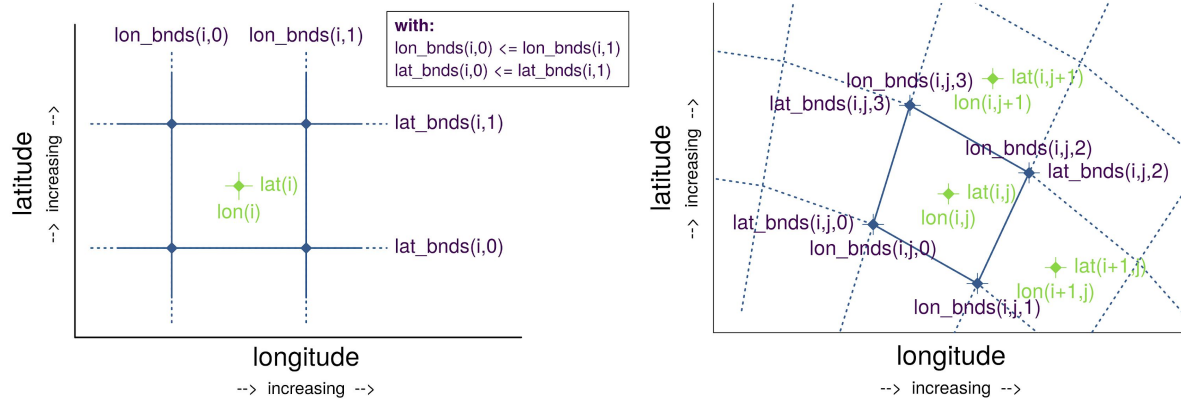


Discussion topic notes

Adding figure to paragraph "Bounds for 2-D coordinate variables with 4-sided cells" in Section 7.1 on bounds (Daniel Heydebreck)

<https://github.com/cf-convention/cf-conventions/issues/193>

The CF Conventions [Section 7.1 "Cell Boundaries"](#) contains a description on how to represent grid cell boundaries in `bounds` variables when the grid is defined by two one-dimensional coordinate variables (e.g. `lon(x), lat(y)`) and by two-dimensional auxiliary coordinate variables (e.g. `lon(x,y), lat(x,y)`). In the latter case (subsection "Bounds for 2-D coordinate variables with 4-sided cells"), the coordinates of the four vertices consist of four distinct values along each spatial axis (e.g. `lon_bnds(x,y,4), lat_bnds(x,y,4)`) and not of two distinct values as in the first case (e.g. `lon_bnds(x,y,2), lat_bnds(x,y,2)`). The order in which the coordinates have to be provided in the bounds variables is described in the text. However, it might be easier and faster to grasp by the reader by looking at a figure. The proposed figure contains this information.



Minutes on next page

Minutes

Participants:

Daniel Heydebreck (DKRZ, Proposer); Aleksandear Jelenak (HDF Group); Daniel Lee (EUMETSAT)

Notes

- DH presented the idea of figures
 - visualize order of coordinates of vertices in bounds variables when each horizontal axis depends on two dimensions
 - colors (from viridis color scale) chosen to be distinguishable by colorblind and red-green-blind people
- AJ + DL: figures clear to understand and make the order of vertex coordinates faster to grasp
- DL: difference between lon/lat and lon_bnds/lat_bnds visible for color-blind people

Follow Ups

- DH creates a pull request
- DL make himself a moderator of the issue