Open NC File

The OpenNCFile tool serves as an extractor and does not rely on a specific formula. Projection involves mathematical processes, and in the OpenNCFile tool, we leverage the Unidata netCDF-Java Library to execute these operations. For further details, please refer to the GitHub release page. Below, you can find the code we employ to determine the Grid Number (or Cell Number) using normal coordinates:

```
ucar.nc2.dt.grid.GridDataset gds =
ucar.nc2.dt.grid.GridDataset.open(filesNamePath);

ucar.nc2.dt.GridDatatype grid = gds.findGridDatatype(VarName);

ucar.nc2.dt.GridCoordSystem gcs = grid.getCoordinateSystem();

var index1 = gcs.findXYindexFromCoord(lat, lon, null);

var index2 = gcs.findXYindexFromLatLon(lat, lon, null);
```