

Radar Analysis Tools Development Roadmap

This page should be considered a draft.

This page presents a list of development projects that will support the radar processing and analysis activities. These descriptions of these projects are high level and utterly devoid of detail.

Foray2

Foray2 will be a set of libraries use to read and write radial data. It will several formats, one of which will be netcdf-3 that will follow CF conventions for radial data. Foray2 is currently under development and will have a first release in October of 2009. A file format translator built from Foray2 libraries will also be released.

Foray2 will be used in all programs that read and write radar data that is in its original spherical geometry. The foray base translator will replace the current format translator xltrsii.

Razor

Razor will be a set of libraries and applications used to for doing quality control , editing and visualization of radar data. Radar data processed though razor applications will remain in its original spherical geometry.

Razor will replace the current soloii and ppi applications.

While there will be razor applications used to process radar data, a development goal will be to have the functionality reside in the razor libraries that then could be accessed through scripting applications such as matlab or idl.

Gridiron

The output from gridiron software will be radar data in a x,y and z coordinate system from input spherical radar data. There will be several algorithms available to do the gridding function.

Like the razor project, gridiron will be developed as a set of libraries and applications. Again, like razor, the goal would be to have the gridding algorithms contained within the libraries so that they can be access by scripting languages and applications.

Gridiron will replace the current reorder and sprint programs.

Ranger

Ranger will process and analyze the gridded output of gridiron. It will replace the cedric program.