Py-ART the Python ARM Radar Toolkit
(Not just for radar gurus)

https://github.com/ARM-DOE/pyart

- Py-ART uses a moderately complex data model which closely mirrors the CF-Radial community file format.
- It makes heavy use of Python dictionaries to form a self-describing radar object. Rich IO layer allowing a very large number of file formats to be read into the data model. Primary output format is CF-Radial. We are investigating adding ODIM as an output format.
- Community codebase on GitHub, main fork is DoE maintained and moderated. Set of core dependences (all in Anaconda Python) with many optional dependencies which, when present, increase functionality.
Py-ART the Python ARM Radar Toolkit
(Not just for radar gurus)

Coming Soon: Py-ART Roadmap Survey

- Set of key operations for radar data including quality control, retrievals and gridding.
- Community codebase, contributions accepted from a very vibrant group of users.
- 100’s of users, 1000’s of installs.
- Integrated with ADI. Any work done in Py-ART is very easy to implement as a VAP.
- Some recent additions:
  - Geotiff output, Tim Lang.
  - New variational Phase processing, Kirk North.
  - Argentinian radar ingest, Steve Nesbitt.
  - New displays for profiling radars, Nick Guy.
  - Ingest from CSU CHILL, Joseph Hardin.
  - Clean up and improvement of plotting grids on maps, Gamma Anderson.