Functionality list

1. Type of data used
   1. ISR
   2. All-sky/imager data
   3. Satellite measurements
2. Interpolation
   1. Interpolate to geospace coordinates such as wgs84, ECEF and ENU.
   2. Interpolate to local Cartesian or polar/spherical coordinates.
   3. Be able to use different types of interpolation.
   4. Keep original data points. (requires addition)
3. Plotting
   1. Plot 3-D slices.
   2. Make 3-D animations.
   3. Plot slices on top of data in 2 and 3-D.
   4. Plot data vs. time.
   5. Plot data in altitude vs. times.
   6. Plot vector points. (E-fields and flows)
   7. Plot locations of measurement.
4. Reference
   1. Reference derived data products. (requires addition)
   2. Reference file from derived. (Requires addition)
5. Data storage
   1. Store pre-interpolated data
   2. Local storage method for large data sets and referencing other sets.