

Mark Hedley, UKMet conf. call

Date

Sep 09, 2014

Attendees

[John Clyne](#), Alan, Mark Hedley

Notes

Mark is part of a Soft. Eng. group at UKMet Office that develops tools for scientists. Primary focus has been providing 2D vis capabilities for weather and related data. Now interested in offering 3D capabilities. Considering leveraging VAPOR

Mark is currently building interoperability tools in python that allow access to a variety of data formats: CF compliant NetCDF, GRIB, BUFR, and a number of legacy UKMet formats. Interoperability is based on CF as the common exchange format. Has developed an internal python representation of a CF data set.

Handling large data is a concern. He gets a significant performance improvement by having the Python code only read the regions and other portions of data that is needed for visualization.

Mark will be at EGU in the spring, but no plans for AGU or IEEE Vis.

Mark would like to be able to have VAPOR visualize data that has been read by his python library. He also would like to be able to use his python library inside vapor to perform analysis and vis.

He is going to initially use his library to convert a few simple datasets into netcdf, which we will then help him convert to a VAPOR VDC. A possible next step would be to run his python code in vapor.

Action Items

1. John: send Mark a pointer to VDC 3 API documentation
2. Mark: produce some sample netcdf files (in a couple of weeks)