Dear Dr Rigby,

I'm a postdoctoral researcher working at the National Oceanic and Atmospheric Administration (NOAA) in Boulder, Colorado. I saw the postgraduate position you posted *80% by 2050:* *Using big data to monitor the UK’s greenhouse gas emissions reduction programme* and was wondering if you had any postdoctoral positions coming up on a similar theme? Although my past work has focused on developing instrumentation and data analysis, I am very keen to branch out and get more experience with high level computer programming, data reduction and parallelisation. In particular I am interested in the overall idea of comparing top-down and bottom-up approaches to modeling.

Many thanks for your time,

Bernard Mason

My position here ends in August 2016 and I was interested in the postdoctoral position:. My past work has focused on measuring aerosol optical properties (see attached CV) and to understand their influence in changing the earth’s climate. During my time at NOAA I have worked on developing and analyzing data for various absorption instrumentations and to better understand the precision required for such measurements to be effectively used in models for predicting warming or cooling. During my first year I’ve been worked on validating the calibration of our photoacoustic spectrometers but I have also put a lot of time into building computational routines for analyzing large data sets. In the last 9 months I've been working on a paper comparing the various absorption measurements made during the SEAC4Rs airborne campaign in 2013.

I was intrigued by the project that you posted. The

I am familiar with data reduction of relatively large sets, for example,

I am very keen to branch out into different areas of the climate change problem and to give myself new perspectives. Although my programming is limited to Igor, which is a C-based scientific data analysis software, Matlab and Python, I am keen to expand my programming knowledge, especially when it comes to looking at large data sets.