



Support Scientist II – Atmospheric Mesoscale Data Assimilation
NOAA Environmental Modeling Center (EMC)
College Park, MD

I.M. Systems Group, Inc. (IMSG), www.imsig.com, a Federal Government Contractor, is seeking to fill a position for a Support Scientist to work at NOAA's Environmental Modelling Center (EMC) of the National Centers for Environmental Prediction (NCEP) located in College Park, MD. The successful candidate will work with the Mesoscale Modeling Branch and be tasked with testing new ideas in variational observation quality control applied to the NCEP data assimilation system, the GSI. The immediate goal of the research is to improve the quality control applied to surface observations from a diverse range of platforms used in NCEP's Real-Time Mesoscale Analysis.

Required Skills:

- A MSc. or Ph.D. in Atmospheric Science, Oceanography, or a related physical or applied mathematical science.
- Strong background in mathematics and statistics.
- Experience in using observations of the atmosphere or ocean for diagnostic and/or modeling purposes.
- Experience in variational or Kalman-filter data assimilation, or alternatively a university level course taken in data assimilation.
- Experience with code development in FORTRAN and scripting in Linux/Unix shell environments.
- Experience with running complex jobs, processing, and performing comprehensive analyses of large amounts of observed and modeled output data.
- Good written and oral communication skills.

Desired

- Working knowledge of the GSI.
- Experience with displaying tools commonly used in atmospheric studies, such as Grads and Python.
- Experience in using high performance supercomputers in a FORTRAN/UNIX environment, including the use of MPI programming.

To Apply:

Please submit your resume, the contact information for three (3) references, your salary requirements and a cover letter explaining how your qualifications meet the requirements of the position to jobs@imsig.com with the following subject line: **NOA1421 Support Scientist II – MMB Data Assimilation**

IMSG offers an outstanding overall compensation package including health/dental insurance, short term/long term disability insurance, paid-time-off, and a 401(k) plan.

IMSG is an Equal Opportunity Employer and Veteran friendly.