

## Comparison of *in-Situ* Cruise Observation from NCEP and QuickSCAT Observations

Avinash C. Pandey <sup>1,2,3</sup>, Prashant K. Singh <sup>3,4</sup> and Shailendra Rai <sup>1,\*</sup>

<sup>1</sup> Department of Atmospheric and Ocean Science, University of Allahabad, Allahabad, INDIA

<sup>2</sup> M. N. Saha Centre of Space Studies, University of Allahabad, Allahabad, INDIA

<sup>3</sup> Nanotechnology Application Centre, University of Allahabad, Allahabad, INDIA

<sup>4</sup> Centre for Bio-Technology, University of Allahabad, Allahabad, INDIA

Corresponding Email: [raishail77@gmail.com](mailto:raishail77@gmail.com)

Atmospheric and Ocean parameters have been collected from a special scientific Expedition on board *R/V Akademik Boris Petrov (ABPetrov)*, which was administered by National Centre for Antarctic and Ocean Research (NCAOR) Goa and launched from Mauritius on February 12, 2009. The surface data was generated from the cruise during the period 13-02-2009 to 14-04-2009 and compared with reanalysis product of NCEP, scatterometer wind/wind stress from Quick SCAT and satellite based measurements. The surface fluxes has been computed with the help of bulk algorithms from available cruise measurements and compared with reanalysis product of NCEP. Systematic differences between NCEP product and cruise observation has been found as the vessel enters sea ice zone of Antarctic coast.