
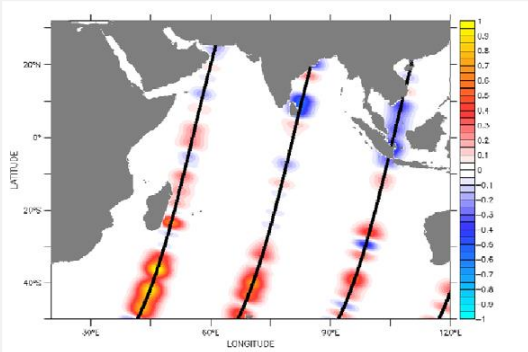


<p><b>Name</b></p> <p><b>Affiliation</b></p> <p><b>Qualification</b></p> <p><b>Program</b></p> <p><b>Duration</b></p>	<p>Mr. Mandeep Kumar</p> <p>Central University of Haryana, Mahendergarh</p> <p>MCA</p> <p>Data Explorant Programme</p> <p>Six months</p>	
<p><b>Project title</b></p>	<p>Parallel Implementation of Optimal Interpolation Data Assimilation Technique for Ocean Wave Model on SAC HPC</p> <p>Parallel version of operational data assimilation code for Wave Watch-3 (WW3) model at SAC is developed. This is achieved by performing matrix inverse using parallel recursive block matrix inverse method and parallel matrix-matrix multiplication. Altimeter derived SWH is assimilated into the WW3 model to produce the best representation of the true wave conditions.</p>	 <p>Difference between background and assimilated run. Black line is the assimilated SARAL/AltiKa tracks.</p>