WINDS | PREDICTION

CURRENTS | OBSERVATION

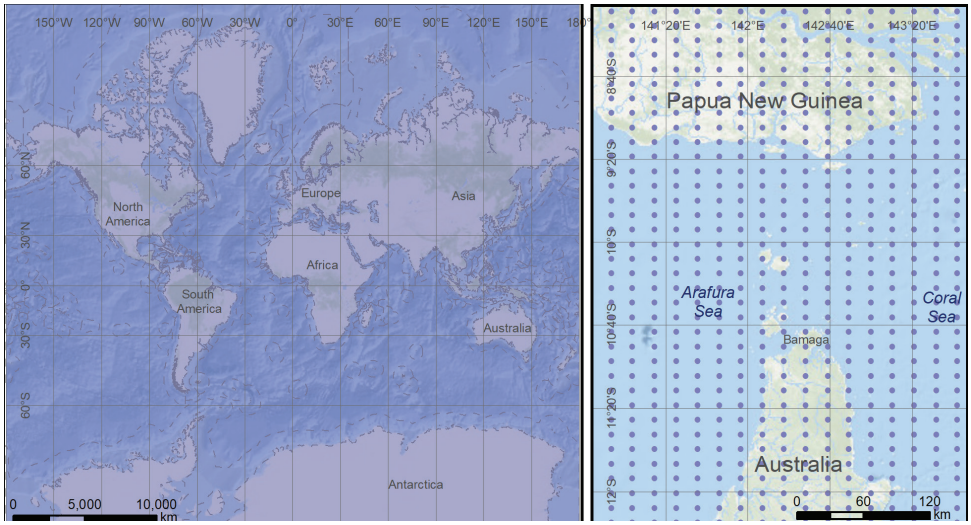
GLOBAL

REGIONAL

LOCAL

EDS CATALOG

ACCESS_G3



Australian Community Climate and Earth System Simulator (ACCESS) is a fully coupled earth system model developed by a collaborative effort between Bureau of Meteorology (BoM) of Australia, and the Commonwealth Scientific and Industrial Research Organization (CSIRO). The model is implemented operationally by the Operational Development subsection of National Meteorological & Oceanographic Centre.

ACCESS_G3 is the third generation of this model that provides wind forecast for the whole globe using ACCESS numerical weather prediction model which is based on the UK Met Office Unified Model/Variational Assimilation (UM/VAR) system. Prognostics variables in the model include winds (zonal, meridional and vertical), air density, potential temperature, and mixing-ratios of water-vapor, cloud-liquid-water, and cloud-frozen-water. For observational data assimilation, ACCESS system uses a four-dimensional variational data assimilation scheme (4DVAR) which assimilates measurements such as surface pressure, temperature, winds and relative humidity from in-situ and remotely sensed data.

Data Provider: http://www.bom.gov.au/australia/charts/about/about_access.shtml

Key details

EDS Data Product	ACCESS_G3
Coverage	Global
Owner/Provider	BoM
Type of Data	Wind Predictions
Forecast Length	240 hours
Horizontal Grid Size	0.18° longitude x 0.12° latitude
Model Run Frequency	Daily
Time Step	1 hour

MAKING COMPLEX EASY