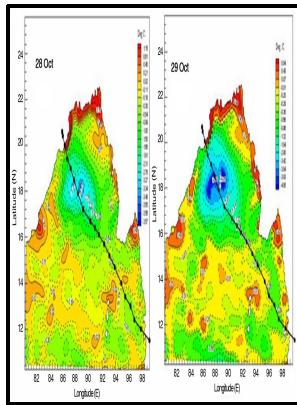


Simulation of tropical Indian Ocean surface circulation using a free surface Sigma coordinate model

Indian Institute of Tropical Meteorology - Sensitivity of the Atlantic meridional overturning circulation and climate to tropical Indian Ocean warming

Description: -



Vesuvius (Italy) -- Description and travel.
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Yeast.
Radioactive tracers.
Nitrogen compounds.
Geological mapping.
Tropical meteorology -- Indian Ocean.
Ocean circulation -- Indian Ocean -- Computer simulation. Simulation of tropical Indian Ocean surface circulation using a free surface Sigma coordinate model

Contribution from IITM -- research report no. RR-106 Simulation of tropical Indian Ocean surface circulation using a free surface Sigma coordinate model

Notes: Includes bibliographical references (p. 9-10).

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Interannual variability and characteristics of the East India Coastal Current associated with Indian Ocean Dipole events using a high resolution regional ocean model

During the westerly wind burst in late December, inclusion of advection dramatically changes the modeled results. Journal of Advances in Modeling Earth Systems, 12, e2019MS001812. A large diurnal variation of the mixed layer depth is found during this period.

Sensitivity of the Atlantic meridional overturning circulation and climate to tropical Indian Ocean warming

Clim Dyn 43 5—6 :1645—1660. This discrepancy may be due to the model underestimation of warm and midlevel clouds, as high values of LWP occur during periods of high-, mid-, or low-level cloud fraction in the model.

Interannual variability and characteristics of the East India Coastal Current associated with Indian Ocean Dipole events using a high resolution regional ocean model

QuikSCAT wind data are produced by Remote Sensing Systems. Robert Weller at the Woods Hole Oceanographic Institution for making the IMET buoy data available. Journal of Geophysical Research Oceans, 122 3 , 2012—2028.

Evaluation of Interannual Simulations and Indian Ocean Dipole Events During 2000

Citation: Monthly Weather Review 141, 7; The difference in surface winds and upper-ocean currents may cause differences in salinity and temperature through horizontal advection, vertical mixing, and surface heat and freshwater fluxes.

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