

World Ocean Temperature Atlas (Annual, Seasonal and Monthly) (1955-2012)

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Abstract

Oceanography is an observational science. Due to the importance of climate change recognition, studying the role of the ocean is essential as part of the earth's climate system. The main objective of this Atlas is visualizing and distributing World Ocean Temperature Atlas for users. WOD 2013 was used for preparing of this atlas which is produced by OCL at the NODC. It contains six variables including Temperature, Salinity, Oxygen, Phosphate, Nitrate and Nitrite, as well as objective analysis of these variables at standard depth levels. Temperature variable was used in quarter degree grid size, during 1955-2012 time span, annually and seasonal at standard depth levels: surface, 50, 100, 250, 350, 500, 750, 1000, 1500, 3000, 4500, and 5500 and monthly at standard depth levels: surface, 50, 100, 250, 350, 500, 750, 1000, 1250, and 1500. ODV is a software package for the interactive exploration, analysis and visualization of oceanographic and other geo-referenced profile, time-series, trajectory, or sequence data. It was used for data entry, drawing the maps and generating the graphs.

Keywords

Atlas, Temperature, World Ocean Database