

MERCATOR-OCEAN PSY1V2

General information

Dataset name: MERCATOR-OCEAN PSY1V2
Created on: 2016-03-09
Useful in the framework of: OPERATIONAL-DATA > Model outputs

Contact(s)

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Model information

Data description

Model / simulation description

The MERCATOR products (issued from ocean analysis and forecasting system version PSY1-V2) are available over an Atlantic Africa area, for all the AMMA scientific community. Products have been stored on a regular latitude/longitude grid and in the Netcdf format (self-describing format, widely used in modelers community). The products available here are the best estimate analysis products, issued from the operational system version PSY1-V2: the best data available for assimilation are from T0-14 to T0-7 (T0: the model is running once a week at T0). This 7-day period is called the "best estimate" set. More information available at <http://bddamma.ipsl.polytechnique.fr/mercator-analysis.html>

Parameters

Vertical_diffusivity_coefficient

Parameter name: vertical_diffusivity_coefficient

Salinity

Parameter name: salinity
Parameter keyword: Oceans > Salinity/Density

Potentiel temperature

Parameter name: potentiel temperature
Parameter keyword: Oceans > Ocean Temperature

Eastward sea water velocity

Parameter name: eastward sea water velocity

Northward sea water velocity

Parameter name: northward sea water velocity

Ocean barotropic streamfunction

Parameter name: ocean barotropic streamfunction

Water flux into ocean

Parameter name: water flux into ocean

Barotropic height

Parameter name: barotropic height

Temperature ocean mixed layer thickness

Parameter name: temperature ocean mixed layer thickness

Density ocean mixed layer thickness

Parameter name: density ocean mixed layer thickness

Surface downward solar heat flux

Parameter name: surface downward solar heat flux

Surface downward heat flux in air

Parameter name: surface downward heat flux in air

Sea surface height

Parameter name: sea surface height

Surface downward eastward stress

Parameter name: surface downward eastward stress

Surface downward northward stress

Parameter name: surface downward northward stress

Coverage

Temporal coverage

Date begin (yyyy-mm-jj): 2004-01-07

Date end (yyyy-mm-jj): 2007-05-22

Geographic coverage

Area name:	MERCATOR-OCEAN
West bounding coordinate (°):	-50
East bounding coordinate (°):	15
North bounding coordinate (°):	40
South bounding coordinate (°):	-19

Data use information

Use constraints: The MERCATOR data are restricted to non-commercial use. For additional information or permission to use MERCATOR data, contact MERCATOR Ocean