



Annual sea surface temperature difference from normal, 2003

Metadata

File Identifier

3f0d3458-0804-a598-050b-44c85cbe6107

Language

eng

Character Set

Character Set Code

utf8

Hierarchy Level

Scope Code

dataset

Hierarchy Level Name

dataset

Contact

Responsible Party

Organisation Name

Environmental Reporting, Ministry for the Environment and Statistics New Zealand

Position Name

Analyst

Contact Info

Contact

Address

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Delivery Point

23 Kate Sheppard Place, PO Box 10362

City

Wellington 6143

Country

New Zealand

Electronic Mail Address

Environmental.Reporting@mfe.govt.nz

Role

Role Code

distributor

Date Stamp

Date

2016-01-26

Metadata Standard Name

ANZLIC Metadata Profile: An Australian/New Zealand Profile of AS/NZS ISO 19115:2005, Geographic information - Metadata

Metadata Standard Version

1.1

Reference System Info

Reference System

Reference System Identifier

Identifier

Code
2193

Identification Info

Data Identification

Citation

Citation

Title

Annual sea surface temperature difference from normal, 2003

Date

Abstract

"The ocean waters surrounding New Zealand vary in temperature from north to south. They interact with heat and moisture in the atmosphere and affect our weather. Long-term changes and short-term variability in sea-surface temperatures can affect marine processes, habitats, and species. Some species may find it hard to survive in changing environmental conditions. This layer shows annual sea-surface temperature difference from normal for 2003 as part of the data series for years 1993 to 2013. "Normal" is defined as the average sea-surface temperature for 1993–2013. NIWA's sea-surface temperature archive is derived from the Advanced Very High Resolution Radiometer (AVHRR) satellite data it receives from the National Oceanic and Atmospheric Administration. The archive provides high spatial (approximately 1km) and high temporal (approximately 6-hourly in cloud-free locations) resolution estimates of sea-surface temperatures over the New Zealand region, dating from January 1993. Uddstrom and Oien (1999) and Uddstrom (2003) describe the methods used to derive and validate the data. This dataset relates to the "Annual average sea-surface temperature" measure on the Environmental Indicators, Te taiao Aotearoa website. Geometry: grid Unit: percent Further information can be found in: Uddstrom, MJ (2003). Lessons from high-resolution satellite SSTs. Bulletin of the American Meteorological Society, 84(7), 896–897. Uddstrom, MJ, & Oien, NA (1999). On the use of high resolution satellite data to describe the spatial and temporal variability of sea surface temperatures in the New Zealand region. Journal of Geophysical Research (Oceans) 104, chapter 9, 20729–20751. "

Status

Progress Code

completed

Point Of Contact

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Role

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distributor

Resource Maintenance

Maintenance Information

Maintenance And Update Frequency

Maintenance Frequency Code

irregular

Resource Format

Format

Name

*.xml

Version

Unknown

Descriptive Keywords

Keywords

Keyword

New Zealand

Type

Keyword Type Code

theme

Thesaurus Name

Citation

Title

ANZLIC Jurisdictions

Date

Edition

Version 2.1

Edition Date

Date

2008-10-29

Identifier

Identifier

Code

<http://asdd.ga.gov.au/asdd/profileinfo/anzlic-jurisdic.xml#anzlic-jurisdic>

Cited Responsible Party

Responsible Party

Organisation Name

ANZLIC the Spatial Information Council

Role

Role Code

custodian

Descriptive Keywords

Keywords

Keyword

CLIMATE-AND-WEATHER

Keyword

CLIMATE-AND-WEATHER-Climate-change

Keyword

CLIMATE-AND-WEATHER-Temperature

Type

Keyword Type Code

theme

Thesaurus Name

Citation

Title

ANZLIC Search Words

Date

Edition

Version 2.1

Edition Date

Date
2008-05-16

Identifier
Identifier
Code
<http://asdd.ga.gov.au/asdd/profileinfo/anzlic-theme.xml#anzlic-theme>

Cited Responsible Party
Responsible Party
Organisation Name
ANZLIC the Spatial Information Council

Role
Role Code
custodian

Resource Constraints

Legal Constraints
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license

Language
eng

Character Set
Character Set Code
utf8

Topic Category Code
environment

Extent
EX_ Extent
Geographic Element
EX_ Geographic Description
Identifier
Authority
Citation
Title
ANZMet Lite Country codelist
Date
Edition
Version 1.0
Edition Date
Date
2009-03-31

Identifier**Identifier
Code**<http://asdd.ga.gov.au/asdd/profileinfo/anzlic-country.xml#Country>**Cited Responsible Party****Responsible Party****Organisation Name**

ANZLIC the Spatial Information Council

Role**Role Code**

custodian

Code

nzl

Extent**EX _ Extent****Geographic Element****EX _ Geographic Bounding Box**

155.07776855-168.24223145-52.8264482098-28.8664482098

Distribution Info**Distribution****Transfer Options****Digital Transfer Options****On Line****Online Resource****Linkage****URL**<https://data.mfe.govt.nz/layer/53171-annual-sea-surface-temperature-difference-from-normal-2003/>**Data Quality Info****DQ _ Data Quality****Scope****DQ _ Scope****Level****Scope Code**

dataset

Level Description**Scope Description****Other**

dataset

Lineage**LI _ Lineage****Statement**

Source: National Institute for Water and Atmospheric Research Method: "The yearly average temperature at the surface of the ocean as inferred from satellite data. The NIWA sea surface temperature archive (NSA) is derived from NOAA satellite Advanced Very High Resolution Radiometer (AVHRR) data received by NIWA. It provides high spatial (approximately 1km) and high temporal (approximately 6 hourly in cloud free locations) resolution estimates of sea surface temperatures over the New Zealand region, dating from January 1993. The methods used to derive and validate the NSA are given in Uddstrom and Oien (1999), and Uddstrom (2003). The New Zealand region includes our exclusive economic zone (EEZ), the Chatham Rise, northern subtropical waters, sub Antarctic waters, and the Tasman Sea. It goes from around 30S to 55S, 160E-170W. This data set has been selected as it is representative of the New Zealand region, and the spatial variability of temperature around New Zealand's waters. Globally, oceans have absorbed 30 Units: percent of the warming caused by global greenhouse gas emissions. The accuracy of the data source is of high quality. The data was supplied as a point grid created in Lambert conformal projection and converted to a 0.02 degree raster. "

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