



## Annual average sea surface temperature, 2010

### Metadata

**File Identifier**

4c0b7939-f143-5266-9358-ffd7ed024da

**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**

**Address**

**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 average sea surface temperature, 2010  
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 average sea surface temperature for 2010 as part of the data series for years 1993 to 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: degrees Celsius 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.

## Status

### Progress Code

completed

## Point Of Contact

### Responsible Party

#### Organisation Name

Environmental Reporting, Ministry for the Environment and Statistics New Zealand

#### Position Name

Analyst

### Contact Info

#### Contact

##### Address

##### Address

##### 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

## 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

Use Limitation

Creative Commons Attribution 3.0 New Zealand by Ministry for the Environment

Access Constraints

Restriction Code

license

Resource Constraints

Legal Constraints

Use Limitation

Creative Commons Attribution 3.0

Use Constraints

Restriction Code

copyright

Resource Constraints

Legal Constraints

Use Limitation

Creative Commons Attribution 3.0 New Zealand by Ministry for the Environment

Use Constraints

Restriction Code

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

119.03471377149.6521064455.914409567569.6126839709

## Distribution Info

Distribution

Transfer Options

Digital Transfer Options

On Line

Online Resource

Linkage

URL

<https://data.mfe.govt.nz/layer/53102-annual-average-sea-surface-temperature-2010/>

## 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 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. "

#### Metadata Constraints

##### Legal Constraints

##### Use Limitation

Creative Commons Attribution 3.0 New Zealand by Ministry for the Environment

##### Access Constraints

##### Restriction Code

license

#### Metadata Constraints

##### Legal Constraints

##### Use Limitation

Creative Commons Attribution 3.0 New Zealand by Ministry for the Environment

##### Use Constraints

##### Restriction Code

license