Ministry for the Environment
Manatū Mō Te Taiao

Annual sea surface temperature difference from normal, 2005

Metadata
- File Identifier
  - 4c9d7090-c4b1-d486-1470-34377042019f
- 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 sea surface temperature difference from normal, 2005

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 2005 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
Responsible Party
Organisation Name
Environmental Reporting, Ministry for the Environment and Statistics New Zealand

Position Name
Analyst

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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

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

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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
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/53033-annual-sea-surface-temperature-difference-from-normal-2005/

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. "

Metadata Constraints
Legal Constraints
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