Ministry for the Environment
Manatū Mō Te Taiao

Annual sea surface temperature difference from normal, 2015

Metadata
- File Identifier
  - AC17/076
- 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
2017-10-13

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
WGS 84

Identification Info
Data Identification
Citation
Citation
Title
Annual sea surface temperature difference from normal, 2015

Date

Abstract
The oceans store most of the excess energy accumulated due to increased greenhouse gases in the atmosphere warming the surface layer. These long-term increases in temperature caused by climate change are in addition to natural variability where ocean temperatures change in response to climate oscillations like the El Niño Southern Oscillation. Changes in sea-surface temperatures can affect marine processes, environments, and species. Some species may shift range or find it hard to survive in changing environmental conditions. Warmer water also takes up more space, which contributes to sea-level rise. More information on this dataset and how it relates to our environmental reporting indicators and topics can be found in the attached data quality pdf.

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

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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
OCEANOGRAPHY-Physical

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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Spatial Representation Type Code
grid
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

- Data Quality Info
  - DQ _ Data Quality
    - Scope
      - DQ _ Scope
        - Level
          - Scope Code
            - dataset
        - Level Description
          - Scope Description
            - Other

dataset

Lineage
LI _ Lineage
Statement
Source: NIWA Method: We used NIWA’s sea-surface temperature archive which is derived from the Advanced Very High Resolution Radiometer (AVHRR) satellite data it receives from the US 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 & Oien (1999) and Uddstrom (2003) describe the methods used to derive and validate the data. Our data extends from about 30°S to 55°S, and from 160°E to 170°W and is grouped into five areas: the exclusive economic zone (EEZ), the Chatham Rise, northern subtropical waters, subantarctic waters, and the Tasman Sea.

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