



NIES CGER Tomakomai Energy, Water, CO₂ Flux, Spectral Radiation, Vegetational Index Data

1. IDENTIFICATION INFORMATION

Name	NIES CGER Tomakomai Energy, Water, CO ₂ Flux, Spectral Radiation, Vegetational Index Data
Metadata Identifier	Tomakomai_Flux20230727065730-DIAS20221121113753-en

2. CONTACT

2.1 CONTACT on DATASET

Name	Dr. Nobuko Saigusa
Organization	Center for Global Environmental Research, National Institute for Environmental Studies
Address	Onogawa 16-2, Tsukuba, Ibaraki, 305-8506, Japan
TEL	+81-29-850-2517
FAX	+81-29-850-2645
E-mail	n.saigusa@nies.go.jp

2.2 CONTACT on PROJECT

2.2.1 Data Integration and Analysis System

Name	DIAS Office
Organization	Japan Agency for Marine-Earth Science and Technology
Address	3173-25, Showa-Cho, Kanazawa-ku, Yokohama-shi, Kanagawa, 236-0001, Japan
E-mail	dias-office@diasjp.net

3. DOCUMENT AUTHOR

Name	Dr. Nobuko Saigusa
Organization	Center for Global Environmental Research, National Institute for Environmental Studies
E-mail	n.saigusa@nies.go.jp

4. DATASET CREATOR

Name	Dr. Nobuko Saigusa
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Organization	Center for Global Environmental Research, National Institute for Environmental Studies
E-mail	n.saigusa@nies.go.jp

5. DATE OF THIS DOCUMENT

2023-07-27

6. DATE OF DATASET

creation : 2013-03-11

7. DATASET OVERVIEW

7.1 Abstract

Center for Global Environmental Research, National Institute for Environmental Studies is conducting comprehensive monitoring of carbon cycle in terrestrial ecosystems under the program of Global Environmental Monitoring, which covers a wide range of environmental fields such as the atmosphere, ocean and biosphere. The Tomakomai site is located in the forest of the southern part of Hokkaido. The long-term carbon cycle monitoring started in 2000 including the carbon dioxide exchange between the forest and the atmosphere as well as the carbon cycle processes in the ecosystem. This dataset includes energy, water, and CO₂ fluxes, spectral radiation, and vegetation index data observed at the Tomakomai site.

7.2 Topic Category(ISO19139)

imageryBaseMapsEarthCover

7.3 Temporal Extent

Begin Date	2000-07-01
End Date	2004-09-09
Temporal Characteristics	Half-hourly , Daily , Monthly

7.4 Geographic Bounding Box

North latitude bound	42.735908
West longitude bound	141.522878
Eastbound longitude	141.522878
South latitude bound	42.735908

7.5 Grid

7.6 Geographic Description

7.7 Keywords

7.7.1 Keywords on Dataset

Keyword Type	Keyword	Keyword thesaurus Name
theme	Atmosphere > Atmospheric Radiation > Incoming Solar Radiation, Atmosphere > Atmospheric Radiation > Longwave Radiation, Atmosphere > Atmospheric Radiation > Outgoing Longwave Radiation, Biosphere > Vegetation > Photosynthetically Active Radiation, Atmosphere > Atmospheric Temperature > Air Temperature, Atmosphere > Atmospheric Water Vapor > Humidity, Atmosphere > Atmospheric Chemistry > Carbon and Hydrocarbon Compounds > Carbon Dioxide, Atmosphere > Atmospheric Winds > Surface Winds, Atmosphere > Atmospheric Pressure > Atmospheric Pressure Measurements, Atmosphere > Precipitation > Precipitation Amount, Atmosphere > Precipitation > Snow, Agriculture > Soils > Soil Temperature, Agriculture > Soils > Soil Moisture/Water Content	GCMD_science
theme	In Situ Land-based Platforms > GROUND STATIONS	GCMD_platform
place	Asia > Eastern Asia > Japan	Country

7.7.2 Keywords on Project

7.7.2.1 Data Integration and Analysis System

Keyword Type	Keyword	Keyword thesaurus Name
theme	DIAS > Data Integration and Analysis System	No_Dictionary

7.8 Online Resource

Outline of Tomakomai Site : http://db.cger.nies.go.jp/gem/ja/flux/tomakomai_o.html

National Institute for Environmental Studies global environment research center global environment data base : <http://db.cger.nies.go.jp/portal/geds/terrestrialMonitoring>

file download : <https://data.diasjp.net/dl/storages/filelist/dataset:202>

7.9 Data Environmental Information

7.10 Distribution Information

name	version	specification

8. DATA PROCESSING

9. DATA REMARKS

10. DATA POLICY

10.1 Data Policy by the Data Provider

Observation data is copyrighted to Center for Global Environmental Research (CGER), National Institute for Environmental Studies (NIES). You can use the data only for noncommercial purpose. For any publication using data, CGER/NIES must be informed and its approval must be obtained prior to publishing. The data provider may request co-authorship or acknowledgements. Please be informed that we have no concern with your cost by using the data.

10.2 Data Policy by the Project

10.2.1 Data Integration and Analysis System

If data provider does not have data policy, DIAS Terms of Service (<https://diasjp.net/en/terms/>) and DIAS Privacy Policy (<https://diasjp.net/en/privacy/>) apply.

If there is a conflict between DIAS Terms of Service and data provider's policy, the data provider's policy shall prevail.

11. LICENSE

12. DATA SOURCE ACKNOWLEDGEMENT

12.1 Acknowledge the Data Provider

12.2 Acknowledge the Project

12.2.1 Data Integration and Analysis System

If you plan to use this dataset for a conference presentation, paper, journal article, or report etc., please include acknowledgments referred to following examples. If the data provider describes examples of acknowledgments, include them as well.

" In this study, [Name of Dataset] provided by [Name of Data Provider] was utilized. This dataset was also collected and provided under the Data Integration and Analysis System (DIAS), which was developed and operated by a project supported by the Ministry of Education, Culture, Sports, Science and Technology. "

13. REFERENCES