



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

1. IDENTIFICATION INFORMATION

Name	NIES CGER Fuji Hokuroku Energy, Water, CO ₂ Flux, Spectral Radiation, Vegetational Index Data
Abbreviation	Fuji Hokuroku Flux Dataset
Metadata Identifier	Fuji_Hokuroku_Flux20230727065340-DIAS20221121113753-en

2. CONTACT

2.1 CONTACT on DATASET

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2.2 CONTACT on PROJECT

2.2.1 Data Integration and Analysis System

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5. DATE OF THIS DOCUMENT

2023-07-27

6. DATE OF DATASET

creation : 2012-02-02

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 Fuji hokuroku (FHK) site is located in a forest at the foothills of Mt Fuji in Yamanashi Prefecture at an elevation of 1100 m. The long-term carbon cycle monitoring started in 2006 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 Fuji hokuroku site.

7.2 Topic Category(ISO19139)

imageryBaseMapsEarthCover

7.3 Temporal Extent

Begin Date	2006
End Date	2010
Temporal Characteristics	1,30minute

7.4 Geographic Bounding Box

North latitude	bound	35.443528
West longitude	bound	138.764722
Eastbound longitude		138.764722
South latitude	bound	35.443528

7.5 Grid

7.6 Geographic Description

Fujiyoshida City, Yamanashi Pref.

7.7 Keywords

7.7.1 Keywords on Dataset

Keyword Type	Keyword	Keyword thesaurus Name
place	Asia > Eastern Asia > Japan	Country
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	Energy, Water, Outgoing Shortwave Radiation, Spectral Radiation, Direct/Diffuse Solar Radiation, CO2 Flux, Soil Heat Flux, NDVI, EVI	No_Dictionary
theme	In Situ Land-based Platforms > GROUND STATIONS	GCMD_platform

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 Fuji_Hokuroku Site : http://db.cger.nies.go.jp/gem/moni-e/warm/flux/lforest/data_index.html

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

You can download this dataset from DIAS. : <https://data.diasjp.net/dl/storages/filelist/dataset:194>

7.9 Data Environmental Information

7.10 Distribution Information

name	version	specification
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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