



# Mt. Fuji Greenhouse Gases Data

## 1. IDENTIFICATION INFORMATION

Name	Mt. Fuji Greenhouse Gases Data
Metadata Identifier	Mt_Fuji_GHG20230727085307-en

## 2. CONTACT

### 2.1 CONTACT on DATASET

Name	Dr. Yukio TERA0
Organization	Center for Global Environmental Research, National Institute for Environmental Studies
Address	Onogawa 16-2, Tsukuba, Ibaraki, 305-8506, Japan
TEL	+81-29-850-2904
FAX	+81-29-858-2645
E-mail	yterao@nies.go.jp

### 2.2 CONTACT on PROJECT

## 3. DOCUMENT AUTHOR

Name	Dr. Yukio TERA0
Organization	Center for Global Environmental Research, National Institute for Environmental Studies
E-mail	yterao@nies.go.jp

## 4. DATASET CREATOR

Name	Dr. Yukio TERA0
Organization	Center for Global Environmental Research, National Institute for Environmental Studies
E-mail	yterao@nies.go.jp

## 5. DATE OF THIS DOCUMENT

2023-07-27

## 6. DATE OF DATASET

---

creation : 2015-01-22

## 7. DATASET OVERVIEW

### 7.1 Abstract

Long term atmospheric CO<sub>2</sub> concentration measurement on the top of Mt. Fuji (3776M) has started by an automatic CO<sub>2</sub> measurement system developed by NIES (National Institute for Environmental Studies) since August 2009. We have started the year-round measurement for the first time since the Mt. Fuji observatory was closed to be an unmanned station in 2004. We continue the measurement and analysis of CO<sub>2</sub> concentration on top of Mt. Fuji and keep improving the long term measurement system. (Nomura et al., 2017)

### 7.2 Topic Category (IS019139)

climatologyMeteorologyAtmosphere

### 7.3 Temporal Extent

Begin Date	2009-07-20
End Date	Under Continuation
Temporal Characteristics	Daily

### 7.4 Geographic Bounding Box

North latitude	bound	35.360834
West longitude	bound	138.726946
Eastbound longitude		138.726946
South latitude	bound	35.360834

### 7.5 Grid

### 7.6 Geographic Description

### 7.7 Keywords

#### 7.7.1 Keywords on Dataset

Keyword Type	Keyword	Keyword thesaurus Name
theme	In Situ Land-based Platforms > GROUND STATIONS	GCMD_platform

---

theme	Atmosphere > Atmospheric Chemistry > Carbon and Hydrocarbon Compounds > Carbon Dioxide	GCMD_science
place	Asia > Eastern Asia > Japan	Country

### 7.7.2 Keywords on Project

## 7.8 Online Resource

Study on long-term CO<sub>2</sub> observation at summit of Mt. Fuji : <http://www.nies.go.jp/whatsnew/2011/20110725/20110725.html>

Japanese Only : <http://www.nies.go.jp/whatsnew/20170414/20170414.html>

## 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

# 11. LICENSE

# 12. DATA SOURCE ACKNOWLEDGEMENT

## 12.1 Acknowledge the Data Provider

## 12.2 Acknowledge the Project

---

## 13. REFERENCES

Nomura, S., H. Mukai, Y. Terao, T. Machida and Y. Nojiri (2017), Six years of atmospheric CO<sub>2</sub> observations at Mt. Fuji recorded with a battery-powered measurement system, *Atmos. Meas. Tech.*, 10, 667–680, doi:10.5194/amt-10-667-2017.