



Continuous Atmospheric GHG observation data of JMA

1. IDENTIFICATION INFORMATION

Name	Continuous Atmospheric GHG observation data of JMA
Metadata Identifier	JMA_Obs_Atmospheric_GHG20230727090242-en

2. CONTACT

2.1 CONTACT on DATASET

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2.2 CONTACT on PROJECT

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4. DATASET CREATOR

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5. DATE OF THIS DOCUMENT

2023-07-27

6. DATE OF DATASET

publication : 2015-07-14

7. DATASET OVERVIEW

7.1 Abstract

In 1987, JMA started the monitoring of atmospheric carbon dioxide (CO₂) at Ryori (RYO) for the first time in Japan as a Regional Station of WMO Global Atmosphere Watch (GAW). JMA observes atmospheric greenhouse gases at three GAW stations (Ryori (RYO), Minamitorishima (MNM) and Yonagunijima (YON)) and in the mid-troposphere over the northwestern pacific by the aircraft (C-130H).

7.2 Topic Category(ISO19139)

environment

7.3 Temporal Extent

Begin Date	1987-01-01
End Date	Under Continuation
Temporal Characteristics	Continuous

7.4 Geographic Bounding Box

North latitude bound	39.0333
West longitude bound	123.0167
Eastbound longitude	153.9833
South latitude bound	24.2833

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 > AIR MONITORING STATIONS/ NETWORKS > BAPMON, Aircraft > C-130	GCMD_platform
theme	Atmosphere > Atmospheric Chemistry > Carbon and Hydrocarbon Compounds > Carbon Dioxide, Atmosphere > Atmospheric Chemistry > Carbon and Hydrocarbon Compounds > Carbon	GCMD_science

	Monoxide, Atmosphere > Atmospheric Chemistry > Carbon and Hydrocarbon Compounds > Methane, Atmosphere > Air Quality > Tropospheric Ozone, Atmosphere > Air Quality > Nitrogen Oxides	
theme	Greenhouse Gas, Ozone Depleting Substances, Ryori, Minamitorishima, Yonagunijima, Aircraft Observation, CFC, GAW	No_Dictionary
place	Asia > Eastern Asia > Japan	Country
theme	Climate	GEOSS
theme	Ambient Ozone Concentration, Carbon Dioxide Concentration, Other long-lived GHGs	GEO_COP

7.7.2 Keywords on Project

7.8 Online Resource

Observation stations of Greenhouse Gases : http://www.data.jma.go.jp/gmd/env/ghg_obs/station/

Method of observation for Greenhouse Gases : http://www.data.jma.go.jp/gmd/env/ghg_obs/index.html

Observation data set of Greenhouse Gases at Ryori (RYO) : <http://ds.data.jma.go.jp/gmd/wdcgg/cgi-bin/wdcgg/accessdata.cgi?index=RYO239N00-JMA&select=inventory>

Observation data set of Greenhouse Gases at Minamitorishima (MNM) : <http://ds.data.jma.go.jp/gmd/wdcgg/cgi-bin/wdcgg/accessdata.cgi?index=MNM224N00-JMA&select=inventory>

Observation data set of Greenhouse Gases at Yonagunijima (YON) : <http://ds.data.jma.go.jp/gmd/wdcgg/cgi-bin/wdcgg/accessdata.cgi?index=YON224N00-JMA&select=inventory>

Observation data set of Greenhouse Gases in the mid-troposphere over northwestern Pacific by aircrafts : <http://ds.data.jma.go.jp/gmd/wdcgg/cgi-bin/wdcgg/accessdata.cgi?index=A0A999900-JMA&select=inventory>

World Data Centre for Greenhouse Gases (WDCGG) : <https://gaw.kishou.go.jp/>

Annual Report on Atmospheric and Marine Environment Monitoring Data : <http://www.data.jma.go.jp/gmd/env/data/report/data/>

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

On any publication using data from the individual station, the author must contact the data submitters concerning co-authorship or acknowledgments, and make proper descriptions on the data sources in their references.

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