

GOSAT Data Product Release

(TANSO-FTS Level 1, TANSO-CAI Level 1B, Level 1B+)

Initial calibration and validation process of the sensor function for the Greenhouse gases Observing SATellite (GOSAT “IBUKI”.) which was launched on 23 January, 2009, have been completed. GOSAT is now operating normally. We would like to announce that TANSO-FTS Level 1B began to be released to general users on 30 October, 2009, and TANSO-CAI Level 1B on 19 November 2009; TANSO-CAI Level 1B+ on 25 November, 2009.

1. Types of Data Products Distributed to General Users

The following data products are available:

- GOSAT TANSO-FTS Level 1B
- GOSAT TANSO-CAI Level 1B
- GOSAT TANSO-CAI Level 1B+

GOSAT Level 2 data products are scheduled to be distributed to general users in February, 2010.

2. How to Get Data

They are distributed through the GOSAT User Interface Gateway (GUIG) with following URL:
<http://data.gosat.nies.go.jp/>

Please follow the procedure below to obtain the data products.

For details, please see the operating manual:

http://gosat/GosatUserInterfaceGateway/guig/doc/manualForPublicUsers_en.pdf

(1) User Registration

On the GUIG top page, choose “Product and Service” in the menu bar. Then, move to “User Authentication,” “For Registration,” and “Public Registration.” Click “Go Terms of Service” button. Upon an agreement with the terms of service, fill in the “User Information Form” and click “Register” button. At last, “Registered Information” appears on the screen, so please read though it and click “Register” button.

(2) Issuance of Your Own Password

After your user registration is accepted, a notice mail informing the completion of the user registration will be sent out with your user ID and temporary password. Please log on by using them. Later, an indication requesting the change of your temporary password appears. Then, change the temporary password to your own created one there.

(3) Product Search and Download

After logging onto the GUI with your ID and password, choose “L1 / L2 Product Search and Order” in the menu. Select conditions and go to the “Search and Order.” For further details about the procedure, please refer to the instruction manual for general users at “Document” of the GUI top page. (L1 indicates “Level 1” and L2 indicates “Level 2”.)

As for the versions and observation period of the distributed products, they can be checked at the “Products List under Distribution” on the “Selection Menu” page.

3. Product Format

The latest product format manual is on the “Selection Menu” page and downloaded from “Product Format Description.”

4. Algorithm Basic Documents

The latest algorithm basic documents are available at the “Selection Menu” in the near future.

5. Data Reading

Data of the currently available GOSAT data products are stored in “HDF5” format. A reading tool for the “HDF5” can be downloaded at the following sites (to be provided as a free soft). Please note that NIES shall not be responsible for any damage, loss, and other prejudice caused by use of the tool.

HDF View

<http://www.hdfgroup.org/hdf-java-html/hdfview/>

GOSAT HDF Viewer (Offered by Research Institute of Systems Planning, Inc.)

<http://remote-sensing.isp.jp/GOSAT-HDF>

6. Others

For handling the GOSAT data products, please refer to the following site:

Data Policy

<http://www.gosat.nies.go.jp/eng/technology/technology.htm>

If you have any questions, please contact us at gosat-support@nies.go.jp

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National Institute for Environmental Studies (NIES)

GOSAT Project Office

URL: http://www.gosat.nies.go.jp/index_e.html