NARSTO SOS99NASH DOE G-1 Air Chemistry Data

Table of Contents:

1. Data Set Description:

The G-1 aircraft was deployed during the 1999 campaign to make measurements within the Nashville urban plume. These situ, semi-Lagrangian measurements, in conjunction with surface-based observations independently made at the Polk Building and at the Cornelia Fort site, have let us quantify a) ozone production/loss rates, b) ozone production efficiency and c) NOx loss rates within this plume. Mechanical problems with the G-1 aircraft precluded making additional measurements.

The dataset should be cited as follows:
Berkowitz, Carl M., and Stephen R.Springston. 2002. NARSTO SOS99NASH DOE G-1 Air Chemistry Data. Available on-line via NARSTO Data and Information at the Langley DAAC, Hampton, Virginia, U.S.A.

More information can be found at the DOE Research Aircraft Facility web page.

2. Sample Data Record/Data Format:

Data files are in the NARSTO Data Exchange Standard (DES) format that is described in detail on the NARSTO Quality Systems Science Center (QSSC) web site. The files follow a tabular layout and are stored as ASCII comma-separated values files (.csv). The DES does not rely on row position to identify specific information, but uses a tag to describe the information contained in the row. The DES is a self-documenting format with three main sections: the header contains information about the contents of the file and the data originator; the middle section contains metadata tables that describe/define sites, flags, and other codified fields; and the final section is the main data table that contains key sampling and analysis information and the data values. Descriptions of the standardized metadata fields are also available on the QSSC web site.

3. References:

- NASHVILLE 1999 FIELD STUDY SCIENCE PLAN
- 1999 SOS NASHVILLE FIELD CAMPAIGN QUALITY ASSURANCE PLAN
- SOS NASHVILLE 1999 MEASUREMENT PLAN

4. Contact Information:

Investigator(s) Name and Title:

Name: Berkowitz, Carl M.
E-mail: Carl.Berkowitz@pnl.gov

Name: Springston, Stephen R.
E-mail: srs@bnl.gov

Data Center:

The Users and Data Services Office at the Langley Atmospheric Science Data Center is involved throughout the system to monitor the quality of data on ingest, to ensure prompt replies to user questions, to verify media orders prior to filling them, and to ensure that the needs of the

users are being met.

If you have a problem finding what you need, trouble accessing the system, or need an answer to a question concerning the data or how to obtain data, please contact the Users and Data Services staff.

Telephone: (757) 864-8656
FAX: (757) 864-8807
E-mail: support-asdc@earthdata.nasa.gov
URL: http://eosweb.larc.nasa.gov

5. Acknowledgement:

When data from the Langley Atmospheric Science Data Center are used in a publication, we request the following acknowledgment be included: " These data were obtained from the NASA Langley Research Center Atmospheric Science Data Center".

The Langley Data Center requests a reprint of any published papers or reports or a brief description of other uses (e.g., posters, oral presentations, etc.) of data that we have distributed. This will help us determine the use of data that we distribute, which is helpful in optimizing product development. It also helps us to keep our product-related references current.

Please contact us at support-asdc@earthdata.nasa.gov for instructions on mailing reprints.

Document Information:

Document Creation Date: May 21, 2002
Review Date:
Last Date Modified:
Document ID: TBD
Author: Langley Data Center User and Data Services Office
Langley DAAC Help Desk: Phone (757) 864-8656; E-mail support-asdc@earthdata.nasa.gov