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1. Data Set Description:

This data set contains 5-minute air quality measurements collected in Texas during Aug/Sep 2000 at 85 continuous ambient monitoring stations (CAMS) during the Texas Air Quality Study 2000 (TEXAQS2000). The monitoring and data requirements conform to the Code of Federal Regulations, Title 40, parts 53 and 58. Measurements include carbon monoxide (CO), sulfur dioxide (SO₂), nitrogen oxide (NO), nitrogen dioxide (NO₂), oxides of nitrogen (NO_x), total reactive nitrogen species (NO_y), ozone, particulate matter (PM_{2.5} mass), hydrogen sulfide (H₂S), wind speed, wind direction, maximum wind gust, air temperature, dewpoint temperature, humidity, precipitation, surface pressure, radiation, and visibility. CAMS are operated by the Texas Commission on Environmental Quality (TCEQ), local city or country governments, or private monitoring networks.

Important monitoring site information

The site information data table in each of the 85 data files may **not** contain the latest TCEQ site information.

- A companion file site information spreadsheet (.csv) that lists data for all 85 sites is the latest TCEQ site information.
- The site information data tables in the 85 data files will not be updated.
- The 85 site spreadsheet companion document is the official source of site data.
- Data users are directed to this file for site information.
- The table of monitoring site information below was derived from the companion spreadsheet.

For more information see the [Texas Commission on Environmental Quality web site](#).

The data set should be cited as follows:

Sullivan, Dave. 2004. NARSTO EPA_SS_HOUSTON TEXAQS2000 TNRCC CAMS Air Quality Data. Available on-line via [NARSTO Data and Information](#) at the Atmospheric Science Data Center at NASA Langley Research Center, Hampton, Virginia, U.S.A.

Data for these 85 CAMS are included in this data set.

| CAMS ID | Site Description | Address | City/town | County | NARSTO Standard Site ID | US EPA AIRS ID | Latitude: decimal degrees | Longitude: decimal degrees |
|-------------|-----------------------------|----------------------------|----------------|-----------|-------------------------|----------------|---------------------------|----------------------------|
| C001 | Houston East C1 | 1262 1/2 Mae Drive | Houston | Harris | ES2HUSTXC001 | 482011034 | 29.76778 | -95.22083 |
| C002 | Beaumont C2/C112 | Georgia and Cunningham | Beaumont | Jefferson | ES2HUSTXC002 | 482450009 | 30.03944 | -94.07472 |
| C003 | Austin Northwest C3 | 3724 North Hills Dr. | Austin | Travis | ES2HUSTXC003 | 484530014 | 30.35444 | -97.75944 |
| C004 | Corpus Christi West C4 | 902 Airport Blvd. | Corpus Christi | Nueces | ES2HUSTXC004 | 483550025 | 27.76444 | -97.43333 |
| C008 | Houston Aldine C8/C108/C150 | 4510 1/2 Aldine Mail Rd | Houston | Harris | ES2HUSTXC008 | 482010024 | 29.90083 | -95.32694 |
| C009 | West Orange C9/C141 | 2700 Austin Avenue | West Orange | Orange | ES2HUSTXC009 | 483611001 | 30.08444 | -93.76167 |
| C010 | Texas City C10 | 2700 1/2 13th Avenue North | Texas City | Galveston | ES2HUSTXC010 | 481671002 | 29.39861 | -94.93333 |
| C011 | Clute C11 | 426 Commerce | Clute | Brazoria | ES2HUSTXC011 | 480391003 | 29.01111 | -95.39838 |

| | | | | | | | | |
|-------------|-------------------------------------|--------------------------------|----------------|-----------|--------------|-----------|----------|-----------|
| | | Street | | | | | | |
| C013 | Ft. Worth Northwest C13 | 3317 Ross Ave | Fort Worth | Tarrant | ES2HUSTXC013 | 484391002 | 32.805 | -97.35639 |
| C015 | Channelview C15/C115 | 1405 Sheldon Rd. | Houston | Harris | ES2HUSTXC015 | 482010026 | 29.8025 | -95.12528 |
| C017 | Keller C17 | Alta Vista Rd. | Fort Worth | Tarrant | ES2HUSTXC017 | 484392003 | 32.92194 | -97.28194 |
| C019 | Longview C19/C127 | Gregg County Airport | Longview | Gregg | ES2HUSTXC019 | 481830001 | 32.3825 | -94.7125 |
| C021 | Corpus Christi Tuloso C21 | 9860 La Branch | Corpus Christi | Nueces | ES2HUSTXC021 | 483550026 | 27.83333 | -97.55583 |
| C023 | San Antonio Northwest C23 | 6655 Bluebird Lane | San Antonio | Bexar | ES2HUSTXC023 | 480290032 | 29.515 | -98.62 |
| C026 | Northwest Harris Co. C26 /C110/C154 | 16822 Kitzman Street | Tomball | Harris | ES2HUSTXC026 | 482010029 | 30.03944 | -95.675 |
| C027 | San Antonio Downtown C27 | 615 E. Houston | San Antonio | Bexar | ES2HUSTXC027 | 480290046 | 29.42667 | -98.48639 |
| C028 | Port Arthur West C28/C128/C228 | 800 El Vista Rd | Port Arthur | Jefferson | ES2HUSTXC028 | 482450011 | 29.89417 | -93.9875 |
| C031 | Frisco C31 | 6590 Hillcrest Rd | Frisco | Collin | ES2HUSTXC031 | 480850005 | 33.13222 | -96.78583 |
| C034 | Galveston Airport C34/C109/C152 | 8715 Cessna Street | Galveston | Galveston | ES2HUSTXC034 | 481670014 | 29.26306 | -94.85639 |
| C035 | Houston-Deer Park 2 C35/139 | 4514 1/2 Durant St. | Houston | Harris | ES2HUSTXC035 | 482011039 | 29.66944 | -95.12806 |
| C038 | Audubon C38 | 12200 Lime Creek Rd | Austin | Travis | ES2HUSTXC038 | 484530020 | 30.48333 | -97.87194 |
| C048 | Houston Wharton C48 | Hwy 249 at Wharton Power Plant | Houston | Harris | ES2HUSTXC048 | 482010068 | 29.94806 | -95.54333 |
| C050 | Cypress River Airport C50 | Cypress River Airport | Jefferson | Marion | ES2HUSTXC050 | 483150050 | 32.74286 | -94.30325 |
| C051 | Ellington Field C51 | Ellington Field | Houston | Harris | ES2HUSTXC051 | 482011040 | 29.61306 | -95.17333 |
| C052 | Midlothian OFW C52/C137 | 2725 Old Fort Worth Rd. | Midlothian | Ellis | ES2HUSTXC052 | 481390016 | 32.48214 | -97.02692 |
| C053 | Houston Bayland Park C53/C146/C181 | 6400 Bissonnet St. | Houston | Harris | ES2HUSTXC053 | 482010055 | 29.69472 | -95.49417 |
| C054 | Carroll St. Park C54/C130 | Grant and Grove Streets | Beaumont | Jefferson | ES2HUSTXC054 | 482450020 | 30.06694 | -94.07722 |
| C056 | Denton Airport South C56/C157/C163 | Denton Municipal Airport | Denton | Denton | ES2HUSTXC056 | 481210034 | 33.19444 | -97.19333 |
| C057 | Arlington Regional Office C57 | 1101 East Arkansas Lane | Arlington | Tarrant | ES2HUSTXC057 | 484390057 | 32.70694 | -97.09361 |
| C058 | Camp Bullis C58 | Near Wilderness Rd | San Antonio | Bexar | ES2HUSTXC058 | 480290052 | 29.63222 | -98.565 |
| C059 | Calaveras Lake C59 | 14620 Laguna Road | San Antonio | Bexar | ES2HUSTXC059 | 480290059 | 29.27528 | -98.31167 |
| C062 | San Marcos Airport Dr C62 | 2041 Airport Dr. | San Marcos | Caldwell | ES2HUSTXC062 | 480550062 | 29.88833 | -97.8675 |
| C063 | Dallas North No.2 C63 | 12532 1/2 Nuestra Dr. | Dallas | Dallas | ES2HUSTXC063 | 481130075 | 32.91969 | -96.8085 |
| C064 | Hamshire C64 | 12552 2nd St. | Hamshire | Jefferson | ES2HUSTXC064 | 482450022 | 29.86167 | -94.31028 |

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|-------------|---------------------------------------|--------------------------------|---------------------|------------|--------------|-----------|----------|-----------|
| | | | | | 64 | | | |
| C065 | Conroe C65 | 10137 Carl Pickering Memorial | Conroe | Montgomery | ES2HUSTXC065 | 483390089 | 30.35306 | -95.42083 |
| C068 | Anna C68 | 817 N. Texas Highway 5 | Anna | Collin | ES2HUSTXC068 | 480850010 | 33.35606 | -96.55119 |
| C069 | Rockwall Heath C69 | 100 East Heath Street | Rockwall | Rockwall | ES2HUSTXC069 | 483970001 | 32.93639 | -96.45917 |
| C070 | Grapevine Fairway C70 | 4100 Fairway Dr. | Grapevine | Tarrant | ES2HUSTXC070 | 484393009 | 32.98414 | -97.06369 |
| C071 | Kaufman C71 | 3790 S. Houston St. | Kaufman | Kaufman | ES2HUSTXC071 | 482570005 | 32.56917 | -96.31583 |
| C073 | Granbury C73 | 200 North Gordon | Granbury | Hood | ES2HUSTXC073 | 482210001 | 32.43472 | -97.80139 |
| C075 | Eagle Mountain Lake C75 | 14290 Morris Dido Newark Road | Eagle Mountain Lake | Tarrant | ES2HUSTXC075 | 484390075 | 32.90111 | -97.46083 |
| C076 | Parker County C76 | 3033 New Authon Rd. | Weatherford | Parker | ES2HUSTXC076 | 483670081 | 32.86875 | -97.90583 |
| C077 | Cleburne Airport C77 | 1650 Airport Dr. | Cleburne | Johnson | ES2HUSTXC077 | 482510003 | 32.35972 | -97.43194 |
| C081 | Houston Regional Office C81 | 5425 Polk Avenue | Houston | Harris | ES2HUSTXC081 | 482010070 | 29.73306 | -95.31694 |
| C082 | Tyler Airport Relocated C82 | 14790 County Road 1145 | Tyler | Smith | ES2HUSTXC082 | 484230007 | 32.34389 | -95.41556 |
| C087 | Victoria C87 | 106 Mockingbird Lane | Victoria | Victoria | ES2HUSTXC087 | 484690003 | 28.83583 | -97.00556 |
| C094 | Midlothian Tower C94/C158/C160 | 4245 Waterworks Rd | Midlothian | Ellis | ES2HUSTXC094 | 481390015 | 32.43653 | -97.02456 |
| C096 | Smith Point Hawkins Camp C96 | 1850 Hawkins Camp Road | Smith Point | Chambers | ES2HUSTXC096 | 480710013 | 29.53667 | -94.76028 |
| C098 | Corpus Christi Huisache C98/C149/C155 | 3810 Huisache St. | Corpus Christi | Nueces | ES2HUSTXC098 | 483550032 | 27.80417 | -97.43139 |
| C100 | Texas City C100 | 17th and 5th Avenue | Texas City | Galveston | ES2HUSTXC100 | 481670053 | 29.39 | -94.91944 |
| C119 | Groves C119 | 3355 Grandview Ave & 32 Street | Groves | Jefferson | ES2HUSTXC119 | 482450014 | 29.96139 | -93.89639 |
| C121 | Corpus Navigation C121 | 1111 Navigation Blvd. | Corpus Christi | Nueces | ES2HUSTXC121 | 483550020 | 27.80694 | -97.45417 |
| C131 | City Service Center/PA C131 | 201 H O Mills Blvd. | Port Arthur | Jefferson | ES2HUSTXC131 | 482450019 | 29.89417 | -93.97917 |
| C134 | Boys Club C134 | 3004 N. Westmoreland | Dallas | Dallas | ES2HUSTXC134 | 482010024 | 32.77889 | -96.87306 |
| C136 | Port Neches C136 | 1225 Merriman Street | Port Neches | Jefferson | ES2HUSTXC136 | 482450017 | 29.98306 | -93.95222 |
| C140 | San Antonio Seale C140 | 254 Seale Road | San Antonio | Bexar | ES2HUSTXC140 | 480290051 | 29.44444 | -98.40556 |
| C145 | Shore Acres C145 | 3903 1/2 Old Hwy 146 | La Porte | Harris | ES2HUSTXC145 | 482010061 | 29.61472 | -95.01806 |
| C147 | Texas City Ball Park C147 | 2516 1/2 Texas Ave. | Texas City | Galveston | ES2HUSTXC147 | 481670005 | 29.38528 | -94.93167 |
| C166 | San Jacinto Monument C166 | 3824 1/2 Battleground Rd | La Porte | Harris | ES2HUSTXC166 | 482011041 | 29.74722 | -95.08972 |



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|-------------|-------------------------------------|--------------------------|--------------|-----------|--------------|-----------|----------|-----------|
| C167 | Galena Park C167 | 304 Stewart St. | Galena Park | Harris | ES2HUSTXC167 | 482010057 | 29.73417 | -95.23833 |
| C169 | Houston Milby Park C169 | 2001 1/2 Central Street | Houston | Harris | ES2HUSTXC169 | 482010069 | 29.7 | -95.26667 |
| C171 | Austin Webberville Road C171 | 2600 B Webberville Rd | Austin | Travis | ES2HUSTXC171 | 484530021 | 30.26333 | -97.71306 |
| C197 | Garland Hwy Dept C197 | 409 Forrest Gate | Garland | Dallas | ES2HUSTXC197 | 481131006 | 32.91056 | -96.66917 |
| C301 | Selma C301 | 16289 N. Evans Rd. #2 | Selma | Bexar | ES2HUSTXC301 | 480290053 | 29.588 | -98.31225 |
| C302 | Midlothian Wyatt C302 | Wyatt Road | Midlothian | Ellis | ES2HUSTXC302 | 481390017 | 32.47361 | -97.0425 |
| C401 | Dallas Hinton St. C401/C161 | 1415 Hinton Street | Dallas | Dallas | ES2HUSTXC401 | 481130069 | 32.82 | -96.86014 |
| C402 | Dallas Redbird Airport C402 | 3277 West Redbird Ln. | Dallas | Dallas | ES2HUSTXC402 | 481130087 | 32.67778 | -96.87444 |
| C403 | Clinton C55/C403/C113 | 9525 1/2 Clinton Drive | Houston | Harris | ES2HUSTXC403 | 482011035 | 29.73333 | -95.25694 |
| C404 | Houston Kirkpatrick C404 | 5565 Kirkpatrick St. | Houston | Harris | ES2HUSTXC404 | 482010060 | 29.80694 | -95.28472 |
| C405 | Houston North Wayside C405 | 7330 1/2 N.Wayside | Houston | Harris | ES2HUSTXC405 | 482010046 | 29.8275 | -95.28361 |
| C406 | Houston Monroe C406 | 9726 1/2 Monroe | Houston | Harris | ES2HUSTXC406 | 482010062 | 29.62583 | -95.2675 |
| C407 | Houston Crawford C407 | 1307 1/2 Crawford | Houston | Harris | ES2HUSTXC407 | 482011037 | 29.75111 | -95.36139 |
| C408 | Lang C408 | 4401 1/2 Lang | Houston | Harris | ES2HUSTXC408 | 482010047 | 29.83444 | -95.48917 |
| C410 | Houston Westhollow C410 | 3333 1/2 Highway 6 | Houston | Harris | ES2HUSTXC410 | 482010066 | 29.725 | -95.6425 |
| C601 | Fayette County C601 | 636 Roznov Road | Roundtop | Fayette | ES2HUSTXC601 | 481490001 | 29.9167 | -96.9167 |
| C603 | HRM-3 Haden Road C603/C114 | 1504 1/2 Haden Drive | Houston | Harris | ES2HUSTXC603 | 482010803 | 29.76528 | -95.18139 |
| C604 | HRM-4 Sheldon Rd C604 | Sheldon Rd. | Houston | Harris | ES2HUSTXC604 | 482010804 | 29.8347 | -95.1319 |
| C607 | HRM-7 W Baytown C607 | Baker and Decker Rd. | Baytown | Harris | ES2HUSTXC607 | 482010807 | 29.7689 | -95.0175 |
| C608 | HRM-8 LaPorte C608 | Fairmont Pkwy. | Houston | Harris | ES2HUSTXC608 | 482010808 | 29.6461 | -95.0564 |
| C610 | HRM-10 Mont Belvieu C610 | 13618 Hatcherville Road | Mont Belvieu | Chambers | ES2HUSTXC610 | 480710900 | 29.8789 | -94.9214 |
| C611 | HRM-11 E Baytown C611 | 8620 West Bay Road | Baytown | Chambers | ES2HUSTXC611 | 480710901 | 29.7658 | -94.9103 |
| C640 | SETRPC 40 Sabine Pass C640 | Sabine Pass | Port Arthur | Jefferson | ES2HUSTXC640 | 482450101 | 29.718 | -93.897 |
| C642 | SETRPC Mauriceville 42 C642 | Mauriceville | Port Arthur | Orange | ES2HUSTXC642 | 483611100 | 30.18 | -93.873 |
| C643 | SETRPC 43 Jefferson Co Airport C643 | Jefferson County Airport | Port Arthur | Jefferson | ES2HUSTXC643 | 482450102 | 29.9425 | -94.0006 |
| C678 | CPS Pecan Valley C678 | 802 Pecan Valley Dr. | San Antonio | Bexar | ES2HUSTXC678 | 480290055 | 29.4064 | -98.4325 |

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.

Important monitoring site information: Please see note above regarding TCEQ monitoring site data.

3. References:

4. Contact Information:

Investigator(s) Name and Title:

Name: Sullivan, Dr. Dave
E-mail: dsulliva@tceq.state.tx.us

Data Center:

The User 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 User 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.

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Langley DAAC Help Desk: Phone (757) 864-8656; E-mail support-asdc@earthdata.nasa.gov

