

AQRP Monthly Technical Report

PROJECT TITLE	Dallas Field Study (DFS); Ozone Precursors, Local Sources and Remote Transport Including Biomass Burning	PROJECT #	22-010
PROJECT PARTICIPANTS	Dr. Ed Fortner PI	DATE SUBMITTED	06/12/2023
REPORTING PERIOD	From: 5/01/2023 To: 5/31/2023	REPORT #	10

A Financial Status Report (FSR) and Invoice will be submitted separately from each of the Project Participants reflecting charges for this Reporting Period. I understand that the FSR and Invoice are due to the AQRP by the 15th of the month following the reporting period shown above.

Detailed Accomplishments by Task for reporting period

Task 6: Data Analysis:

During the month of May the focus of data analysis has been entirely on developing quality assured (QA) time series waves for the many different parameters measured during the Dallas FS field study. Currently this work is in progress with the respective personnel who have expertise in the data analysis of the various instruments including the TILDAS instruments, the SP-AMS, the VOCUS and GC-EI ToF. To date this analysis process has proceeded without any major problems but this is a very detailed and lengthy QA process. The goal that has been set internally is to have this data QA'd and available for further intercomparison work by the end of June.

Preliminary Analysis

Primary analysis is being conducted as detailed in Task 6 above.

Data Collected

All raw data from all instrumentation has been saved on respective instruments and at a central server location at Aerodyne. Analysis of this data is currently occurring.

Identify Any Problems or Issues Encountered and Proposed Solutions or Adjustments

No new problems or issues encountered.

Goals and Anticipated Issues for the Succeeding Reporting Period

The goal that has been set internally for this next reporting period is to have all of the Dallas FS data QA'd and available for further intercomparison work.

Detailed Analysis of the Progress of the Task Order to Date

Task 6 data analysis is on schedule.

Do you have any publications related to this project currently under development? If so, please provide a working title, and the journals you plan to submit to.

Yes No

Do you have any publications related to this project currently under review by a journal? If so, what is the working title and the journal name? Have you sent a copy of the article to your AQRP Project Manager and your TCEQ Liaison?

Yes No

Do you have any bibliographic publications (ie: publications that cite the project) related to this project that have been published? If so, please list the reference information. List all items for the lifetime of the project.

Yes No

Do you have any presentations related to this project currently under development? If so, please provide working title, and the conference you plan to present it (this does not include presentations for the AQRP Workshop).

Yes No

Do you have any presentations related to this project that have been published? If so, please list reference information. List all items for the lifetime of the project.

Yes No

Have any personnel changes occurred that were not listed in the original proposal? If so, please include a detailed description of the personnel change(s) below.

Yes No

Are any delays expected in the progress of the research? If so, please include a detailed description of the potential delay below.

Yes No

Describe any possible concerns/issues (technical or non-technical) that AQRP should be made aware of.

No new concerns or issues.

**Are you anticipating using all the available funds allocated to this project by the end date?
If not, why and approximately what is the amount to be returned?**

Yes No

Submitted to AQRP by

Dr. Ed Fortner, PI