

AQRP Monthly Technical Report

PROJECT TITLE	Ozone Measurements and Platform Emission Factors in the Gulf of Mexico	PROJECT #	20-009
PROJECT PARTICIPANTS	Aerodyne Research, Inc.	DATE SUBMITTED	09/12/2020
REPORTING PERIOD	From: September 1, 2020 To: September 30, 2020	REPORT #	4

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

In the past reporting period, the unrelated Aerodyne Mobile Laboratory campaign was delayed indefinitely. The ozone instrument remains installed in the Mobile Lab, and is measuring ambient signal in the Aerodyne parking lot. The data looks acceptable.

Campaign leadership continues to discuss this project and look for industry partners. On our side, we have been in touch with someone who has provided platform access to scientists for a previous campaign, and have discussed a broad offshore area within reasonable sailing distance. We will continue to explore this avenue in our search for an offshore platform to host the central part of the UN-funded campaign.

Preliminary Analysis

There is no preliminary analysis to report.

Data Collected

There is no data collected.

Identify Any Problems or Issues Encountered and Proposed Solutions or Adjustments

Finding a willing industry partner to provide access to an offshore platform remains the central issue in campaign planning. We and campaign leadership continue to explore contacts in the offshore industry.

Staffing of the boat is a challenge for the vessel operators right now for a number of reasons. For example, cadets and university students are often hired as deck hands, and there is uncertainty as to whether the spring semester will be fully remote. The captain is confident that they will be

able to sail. We have agreed to keep in touch in the coming months as the timeline firms up, and as the university pandemic response for the spring semester is decided.

Goals and Anticipated Issues for the Succeeding Reporting Period

In the next reporting period, we plan to continue conversations with campaign leadership and vessel operators about campaign timing and details.

Detailed Analysis of the Progress of the Task Order to Date

The progress in the first several months of this project will be limited due to the timing of the proposed campaign, and to preserve funds for the campaign itself and follow-on analysis. Thus, progress is as expected.

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 AQR 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 AQR 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.

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
Tara Yacovitch
Principal Scientist
Aerodyne Research, Inc.