

AQRP Monthly Technical Report

PROJECT TITLE	Emission source region contribution to a high surface ozone episode during DISCOVER-AQ	PROJECT #	14-004
PROJECT PARTICIPANTS	Christopher P. Loughner and Melanie Follette-Cook	DATE SUBMITTED	8/6/2014
REPORTING PERIOD	From: June 20, 2014 To: July 31, 2014	REPORT #	1

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

Team members are coordinating procedures and familiarizing themselves with new modeling tools and techniques (CMAQ version 5.0.2 run with ozone source apportionment).

Preliminary Analysis

Preliminary analyses are not available for this reporting period.

Data Collected

Data from the DISCOVER-AQ Houston field deployment is publicly available online.

Identify Problems or Issues Encountered and Proposed Solutions or Adjustments

No problems or issues.

Goals and Anticipated Issues for the Succeeding Reporting Period

The WRF model output will begin to be processed to prepare input files for the RIP (Read/Interpolate/Plot) program, which will be used to calculate back trajectories. We will begin to create CMAQ input files.

Detailed Analysis of the Progress of the Task Order to Date

The AQRP task order was executed nearly one month after the anticipated start date established in the Work Plan. Therefore, we anticipate the completion of the first task (identifying air pollution emissions regions using a back trajectory analysis) will be delayed no longer than 1 month. We don't anticipate delays in the completion of any of our other tasks related to this project.

Submitted to AQRP by: Chris Loughner

Principal Investigator: Chris Loughner