

# AQRP Monthly Technical Report

<b>PROJECT TITLE</b>	Characterization of Boundary-Layer Meteorology During DISCOVER-AQ Using Radar Wind Profiler and Balloon Sounding Measurements	<b>PROJECT #</b>	14-006
<b>PROJECT PARTICIPANTS</b>	Sonoma Technology, Inc., and Gary Morris (St. Edwards University)	<b>DATE SUBMITTED</b>	4/6/2015
<b>REPORTING PERIOD</b>	<b>From:</b> March 1, 2015 <b>To:</b> March 31, 2015	<b>REPORT #</b>	10

## Detailed Accomplishments by Task

Task 1: Characterize the Atmospheric Boundary Layer

- Completed documenting analyses from characterization of atmospheric boundary layer during DISCOVER-AQ in draft report.

Task 2: Determine Representativeness of Meteorological Conditions

- Continued comparison of meteorological conditions on high ozone days during DISCOVER-AQ to high ozone days during the Tex-AQS II study period.
- Documented analyses in draft report.

Task 3: Derive and Deliver Continuous Mixing Heights

- Derived mixing heights from University of Houston Coastal Center RWP.

## Preliminary Analysis

Not applicable.

## Data Collected this Period

Not applicable.

## Identify Problems or Issues Encountered and Proposed Solutions or Adjustments

Not applicable.

## Goals and Anticipated Issues for the Succeeding Reporting Period

During the month of April 2015, we will conclude analyses for Task 2 and complete the draft final report for Tasks 1 and 2.

## Detailed Analysis of the Progress of the Task Order to Date

We have completed analysis work and documentation for Task 1 of this project and are continuing with Task 2. We are documenting these analyses and findings in a final draft report. No major technical or data quality issues have arisen regarding the air quality and meteorological data that have been collected thus far, aside from five ozonesonde launches that experienced data loss and some data processing issues with profiler data from the Univ. of Houston Coastal Center. The budget for this Task Order remains on track.

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