

# AQRP Monthly Technical Report

<b>PROJECT TITLE</b>	Incorporating Space-borne Observations to Improve Biogenic Emission Estimates in Texas	<b>PROJECT #</b>	14-017
<b>PROJECT PARTICIPANTS</b>	Arastoo Pour-Biazar; Richard McNider; Daniel Cohan	<b>DATE SUBMITTED</b>	9/1/2014
<b>REPORTING PERIOD</b>	<b>From:</b> July 7, 2014 <b>To:</b> August 31, 2014	<b>REPORT #</b>	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 15<sup>th</sup> of the month following the reporting period shown above.

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## Detailed Accomplishments by Task

The work plan was reviewed and was modified to comply with TCEQ requests and comments. The final Work Plan was approved and the contract is in place to commence the work.

## Preliminary Analysis

Preliminary PAR (Photosynthetically Active Radiation) retrievals for September 2013 were produced and is being evaluated.

## Data Collected

Surface insolation and cloud albedo retrievals for September 2013 were downloaded. The data were examined for data quality. A preliminary parameterization for estimating Photosynthetically Active Radiation (PAR) was devised and applied to the data.

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

There were contractual problems requiring modifications to the language of the contract. UAH worked with AQRP and finally resolved the issues. The contract is in place now and the work can commence.

## Goals and Anticipated Issues for the Succeeding Reporting Period

Finish the evaluation of PAR for September 2013 and make refinements to the algorithm.

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

Arastoo Pour Biazar

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Submitted to AQRP by:

Principal Investigator: Arastoo Pour Biazar