

Department of Electrical & Computer Engineering
Airborne Sampling/Sensing of Distal Volcanic Ash
Project Group Meeting #3

Agenda

Date: Friday April 8th 2016
Time: 1:30 pm
Venue: VH 462
Chair: Mike Shanaher
Secretary: Parth Thakur

1. Apologies
 - NIL
2. Minutes
 - Focus on ash or no ash
 - Utilise electrostatic properties of ash
 - Prioritize specialist sensor selection and order them early
3. Matters arising
 - Sensor selection, ordering and testing
 - Particle size parameters
 - Update from DTA
4. Correspondence
 - NIL
5. Progress Reports:
 - Mike - UAV control system and radiosondes
 - Jamie – magnetometer and off the shelf OPC sensors
 - Jake – optical particle counter
 - Parth – electrostatic sensors and test bench concepts

6. Other business:

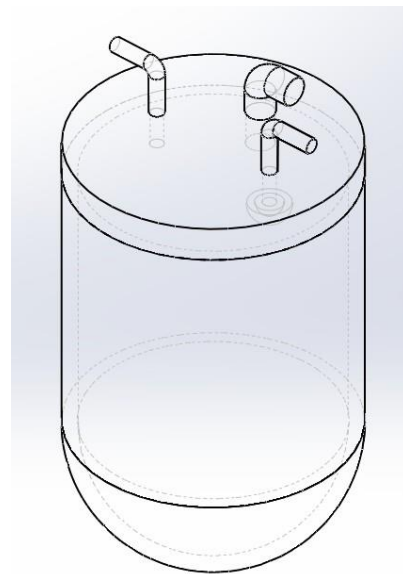
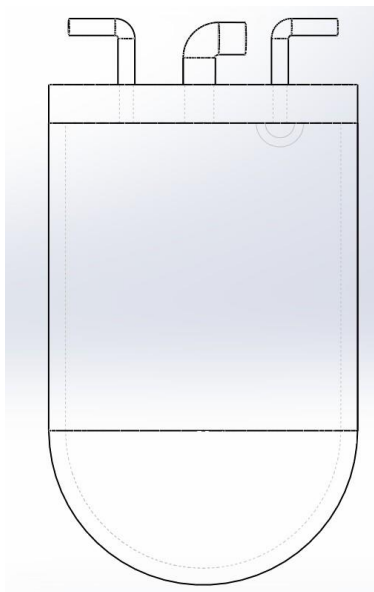
- Next meeting time and date
- Balloon Flight Data from NIWA

Attachments:

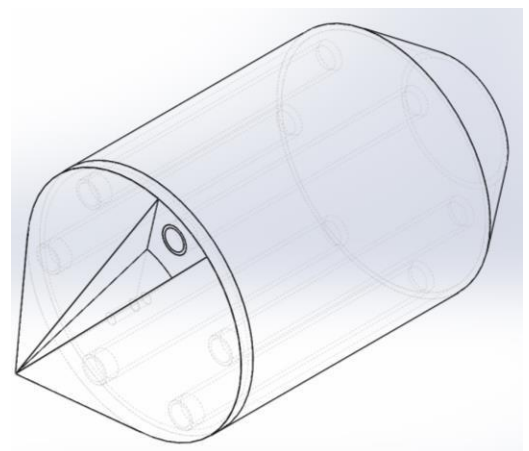
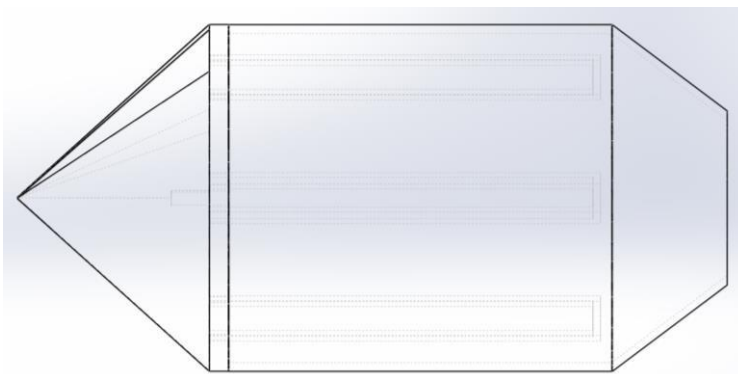
Link to OPC sensors reviews of interest:

<http://aqicn.org/sensor//>

Sample testing Concept 1:



Sample testing concept 2:



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