AEROKATS and ROVER Education Network (AREN)
Wayne RESA, Wayne MI - Monthly Status – May, 2017

Need(s) or Areas to Watch

• Better highlight reasonable expectations of teachers assessed through the AREN Pilot group in preparation for adding more schools/teachers for the fall.
• Safety strategies for flying kites.
• Difficulty of flying kites “at scheduled times on scheduled dates” – Challenge, yet part of Operations “Mission World”
• Assisting teachers with GLOBE profiles and school pages.
• Video storage and placement (viewing and format)

Updates/Changes

• Provided weather station, sensors/probes, and kites to Wayne County Pilot Schools
• Met with Rep from Lawrence Technological University (Southfield, MI) on integrating AREN in their STEM Center.
• Continued conversations with Excel U on integrating AREN.
• Visited AREN Pilot schools implementing the AREN Project through the Rouge Education Project and Gibraltar Studies.
• Presented at Rouge River Water Festival (150 students)
• Hosted the Wayne County Green School Festival (80 students and teachers)
• Attended the Midwest GLOBE Student Research Symposium at Purdue University (3 Metro Detroit Team ~2 AREN Pilot teams)
• Reported out at Rouge Education Project Education Meeting
• Change of personnel at Public Lab
• Increase in GLOBE Data being submitted – Pilot Groups and Weather Stations
• Kite Day at University of South Florida
• NASA GSFC activities, including the AREN Project, for AVSC 310 at University Maryland Eastern Shore
• AVSC 310 students experienced first hand “schedule pressure,” “managing expectations,” through successful completion of course work and successful implementation of AREN.
• Attendance at the Annual International Kite Convention in Ocean City, MD
• NTEN Course on Atmospheric Science is going through the approval chain at Montana State University.

Look Ahead

• Continued 3D Printer Development for Aeropods
• Continued research and development of Aeropods
• Summer PD at Chesapeake Bay Environmental Center with Bucks County IU Teachers
• Summer Bulls-EYE Project at USF on ROVERs
• TerraROVER 4 research and development
• GLOBE Annual Meeting July 30 – August 3, 2017
• GSFC Summer AREN AREOKAT STEM PD’s – PSU: MS/HS Teachers – GSFC ERC AREN GLOBE – Greenbelt Lake Community Event

Cross-Collaboration Status

• Produced three podcasts on Eclipse 2017
• Participated in GLOBE Student Research Symposium Phone Conferences
• “Earthlings” Phone Conference
• Andy and Dave presented at the Odyssey of the Mind (MSU East Lansing, MI
• Continuing to distribute Eclipse Glasses
• Montana State is discussing potential collaborations with the Northeast Earth and Space Science Pipeline (NESSP)