

## **Summary of the 5<sup>th</sup> ARAM Special Symposium**

The Fifth Aviation, Range and Aerospace Meteorology Special Symposium took place on Wednesday, January 13, 2016, in conjunction with the 96<sup>th</sup> Annual Meeting of the AMS in New Orleans. The one-day symposium consisted of four sessions, a poster session, and two joint sessions on earlier days. The first joint session took place on Monday morning with the 32<sup>nd</sup> Conference on Environmental Information Processing Technologies. It had the title of "Weather Observing Systems Via Airborne Platforms." A second joint session with the same program took place on Tuesday afternoon and was titled, "International Applications: Science to Services (Including Volcanic Ash); Multi-Hazard Impact-Based Risk Assessments and Warnings-Challenges and Opportunities." Chair of the ARAM committee, Cecilia Miner, kicked off the 5<sup>th</sup> ARAM symposium on Wednesday morning and passed the gavel to the co-chairs of the first session, Alex Mahalov and Matthew Vaughan, which was titled, "Aviation Weather Hazards to the National Airspace System." The second session that morning was co-chaired by Michael Robinson and Matt Fronzak and titled, "Impacts of Weather on the Nation's Aviation System." The first afternoon session was chaired by Jason Knievel and Le Jiang, and titled, "Translation of Forecast Uncertainty into Capacity Impact Uncertainty." Uncertainty is an unavoidable part of observing and predicting weather and climate at all scales. Acknowledging and using uncertainty can improve weather-related decision making across the entire aviation industry. The symposium's poster session followed and there were many papers across all aspects of aviation and range meteorology. The final session of the symposium was chaired by Cecilia Miner and Tim Miner and titled, "United States Government and International Perspectives." During this session presentations included a status report of the Federal Aviation Administration's NextGen weather system and an overview of the United State Air Force's weather program which was delivered by the director, Ralph O. Stoffler. The program chair, Captain Tim Miner from American Airlines, concluded the entire symposium with a recognition of the ARAM committee who made the work possible and announced the creation of a future "user-sponsored" award from the pilot-dispatcher-controller communities that will be administered by the ARAM committee beginning in 2017.