Polar Winds Papers and Presentations as of Sep. 1, 2017

Below is the complete list of papers and presentations submitted under the Simpson Weather Associates Polar Winds effort.

Accepted Papers

1) DuVivier, A., J. Cassano, S. Greco and G.D. Emmitt, 2017, *A Case Study of Observed and Modeled Barrier Flow in the Denmark Strait in May 2015* Monthly Weather Review, June 2017. MWR-D-16-0386.

Paper in Progress (draft completed)

1) Greco, S., G.D. Emmitt, J. Cassano, K. Hines and M. Kavaya, 2017, POLAR WINDS: AIRBORNE DOPPLER WIND LIDAR MISSIONS IN THE ARCTIC FOR ATMOSPHERIC OBSERVATIONS AND NUMERICAL MODEL VALIDATION, to be summited…

Conferences (Extended Abstracts)

1) Greco, S., G.D. Emmitt, M. Kavaya et al., *Airborne Doppler Wind Lidar Missions in the Arctic: Low-Level Observations and Comparison with Models and other Observing Platforms*, 96th Annual Meeting of the American Meteorological Society, 20th Conference on Integrated Observing and Assimilation Systems for the Atmosphere, Oceans, and Land Surface, New Orleans, LA, January 10-14, 2016.

Conferences (Talks and Poster Presentations)

1) Greco, S., G.D. Emmitt, A. DuVivier and M. Kavaya: DAWN contributions to investigating Arctic atmospheric dynamics and numerical model validation, Working Group Meeting on Space- based Lidar Winds, Newport News, VA, March 21- 23, 2017.
2) Emmitt, G.D., S. Greco, and M. Kavaya: Plans for using DAWN in multi- scale interaction study in the tropics (CPEX 2017), Working Group Meeting on Space-based Lidar Winds, Newport News, VA, March 21- 23, 2017.
3) Singh, U., G.D. Emmitt, M. Kavaya…and S. Greco: Coherent Wind Lidar Activities and Vision at NASA Langley Res. Center. Working Group Meeting on Space- based Lidar Winds, Newport News, VA, March 21- 23, 2017.
4) Greco, S., G.D. Emmitt, S.A. Wood, A. DuVivier, J. Cassano and K. Hines: *The 2014-2105 Polar Winds Airborne Campaigns: Investigating Lower Tropospheric Circulations and Model Performance near Greenland Utilizing Doppler Wind Lidar*

and Dropsondes, Annual Conf. of the American Met. Society,14th Conference on Polar Meteorology, Seattle, WA, January 2017

5) Emmitt, G.D., K.S. Godwin, S. Greco, and S.A. Wood: *The 2014-2015 Polar Winds DAWN Airborne Campaigns; Instrument Performance, Data Collection and Advanced Data Processing Algorithm Development*, Annual Conf. of the American Met. Society, 8th Symposium on Lidar Atmospheric Applications, Seattle, WA, January 2017
6) Emmitt, G.D., S. Greco, K. Godwin, M. Kavaya, G. Koch and U. Singh, 2016: *Airborne DWL in Polar Winds: Greenland and Iceland Campaigns*., CLRC 2016 18th Conference on Coherent Laser Radar Conference to be held in Boulder, CO on June 27 – July 1, 2016.
7) DuVivier, A., J. Cassano and S. Greco., *Analysis of barrier wind event near Greenland during the May 2015 Polar Winds Aircraft Campaign*, 2016 CIRES Rendezvous. May 2016.
8) Emmitt, G.D., S. Greco et al., *Airborne Doppler Wind Lidar Missions in the Arctic: Calibration and Validation of Existing and Future Space-based Wind Measuring Platforms*, 96th Annual Meeting of the American Meteorological Society, 20th Conference on Integrated Observing and Assimilation Systems for the Atmosphere, Oceans, and Land Surface, New Orleans, LA, January 10-14, 2016.
9) Greco, S., G.D. Emmitt, M. Kavaya et al., *Airborne Doppler Wind Lidar Missions in the Arctic: Low-Level Observations and Comparison with Models and other Observing Platforms*, 96th Annual Meeting of the American Meteorological Society, 20th Conference on Integrated Observing and Assimilation Systems for the Atmosphere, Oceans, and Land Surface, New Orleans, LA, January 10-14, 2016.
10) Emmitt, G.D., S. Greco and K. Godwin, 2015: *ADM Cal Val 2015: DAWN performance in the presence of upper level jets and boundary layer rolls*. Working Group Meeting on Space-based Lidar Winds at Miami FL, Nov 2-4, 2015.
11) Greco, S., G.D. Emmitt, J. Cassano and K. Hines, 2015: Polar Winds 2015: *Dropsonde and DAWN comparisons along east coast of Greenland*. Working Group Meeting on Space-based Lidar Winds at Miami FL, Nov 2-4, 2015.