

## **RECENT PRESENTATIONS FROM THE LAST 10 YEARS**

Jesmonth, K., M. Lynne, and S. Steiger, 2022: An updated lake-effect lightning climatology over Lake Ontario. Proceedings, 47th Annual Northeastern Storm Conf., Burlington, VT, Northern Vermont University – Lyndon Chapter of the American Meteorological Society and The National Weather Association, p. 72.

Jesmonth, K.R., T. Fulbright, E.G. Hoffman, 2022: An Analysis of Maximum Precipitation Amounts Associated with Occluded Midlatitude Cyclones from 2016 to 2018. 47th Northeastern Storm Conference, Burlington, VT, Northern Vermont University – Lyndon Chapter of the American Meteorological Society and The National Weather Association.

Jesmonth, K.R., T. Fulbright, E.G. Hoffman, 2022: An Analysis of Maximum Precipitation Amounts Associated with Occluded Midlatitude Cyclones from 2016 to 2018. 21st Annual Student Conference, Houston, TX, American Meteorological Society.

Nahar, A., and S. Steiger, 2022: The public's perception of snow-related NWS winter weather alerts. Proceedings, 47th Annual Northeastern Storm Conf., Burlington, VT, Northern Vermont University – Lyndon Chapter of the American Meteorological Society and The National Weather Association, p. 60.

Statum, G., and Y. Wang, 2022: Climatology of Cold-Season Tornadoes in the Contiguous United States. 2021-22 Scholarly and Creative Activities Poster Symposium, Oswego, NY.

Pagnanelli, M., E. Weisberger, M. Rolph, and Y. Wang, 2022: A Climatology of Marine Cold-Air Outbreaks in Northern Norway. SUNY Oswego Quest Symposium, Oswego, NY.

Lynne, M., Y. Wang, and S. Steiger, 2022: An Analysis of the WPC's Winter Storm Outlook in Low Probability Scenarios. SUNY Oswego Quest Symposium, Oswego, NY.

Pagnanelli, M., E. Weisberger, M. Rolph, and Y. Wang, 2022: Climatology of Arctic Cold-Air Outbreaks Along the Norwegian Coast. 47th Northeastern Storm Conference, Burlington, VT, Northern Vermont University – Lyndon Chapter of the American Meteorological Society and The National Weather Association.

Pagnanelli, M., M. Crean, E. Weisberger, M. Rolph, and Y. Wang, 2022: Characteristics and Climatology of Arctic Cold-Air Outbreaks: Insights from COMBLE Observations. 21st Annual American Meteorological Society Student Conference, Houston, TX, American Meteorological Society.

Jesmonth, K.R., A. Raghavendra, H. Sussman, 2021: Weather Conditions Most Detrimental to Flight Operations. Proceedings, 21st Conference on Aviation, Range, and Aerospace Meteorology, American Meteorological Society.

- Jesmonth, K.R., A. Raghavendra, H. Sussman, 2021: Weather Conditions Most Detrimental to Flight Operations. 20th Annual Student Conference, American Meteorological Society.
- Jesmonth, K.R., M. Lynne, S.M. Steiger, 2021: An Updated Lake-Effect Lightning Climatology over Lake Ontario. Proceedings, 11th Annual Great Lakes Atmospheric Science Symposium, Oswego, NY, Oswego State Student Chapter of the American Meteorological Society and National Weather Association.
- Jesmonth, K.R., T. Fulbright, E.G. Hoffman, 2021: An Analysis of Maximum Precipitation Amounts Associated with Occluded Midlatitude Cyclones from 2016 to 2018. Proceedings, 11th Annual Great Lakes Atmospheric Science Symposium, Oswego, NY, Oswego State Student Chapter of the American Meteorological Society and National Weather Association.
- Steiger, S. M., and D. Main, 2021: Lightning climatology before and after wind farm construction in 2005-06 east of Lake Ontario. Proceedings, 10th Conf. on Meteorological Application of Lightning Data, American Meteorological Society, Poster #555.
- Wang, Y., C. Lackner, B. Geerts, E. Weisberger, B. Kosović, T. Juliano, and L. Xue, 2021: Study of a polar low in Norwegian Sea using COMBLE observations and numerical modeling, American Geophysical Union Fall Meeting, New Orleans, LA, American Geophysical Union.
- Weisberger, E., M. Crean, M. Paganelli, M. Rolph, and Y. Wang, 2021: Characteristics and Climatology of Arctic Cold-Air Outbreaks Observed from COMBLE. 11th Annual Great Lakes Atmospheric Science Symposium (GLASS), Oswego, NY, Oswego State Student Chapter of the American Meteorological Society and National Weather Association.
- Weisberger, E., M. Rolph, M. Crean, and M. Paganelli, and Y. Wang, 2021: A Numerical Case Study of a Polar Low in Norwegian Sea During a Cold-air Outbreak. 2020-21 RISE Summer Scholar Symposium, Oswego, NY.
- Paganelli, M., M. Crean, E. Weisberger, M. Rolph, and Y. Wang, 2021: Characteristics and Climatology of Arctic Cold-Air Outbreaks: Insights from COMBLE Observations and Numerical Modeling. 2020-21 RISE Summer Scholar Symposium, Oswego, NY.
- Lardeo, K. E., B. S. Rojas, S. M. Steiger, N. F. Rodick, and P. E. Jansen, 2020: A case study of the 6-7 February 2020 Northeast winter storm: A forecasting perspective. Proceedings, 45th Annual Northeastern Storm Conf., Saratoga Springs, NY, Northern Vermont University - Lyndon Chapter of the American Meteorological Society and The National Weather Association, p. 76.
- Steiger, S. M., 2020: Visual and radar observations of storms. Proceedings, 29th Conf. on Education, Boston, MA, American Meteorological Society, 1251.

- Vocke, L., and S. Steiger, 2020: Visual and radar observations of storms. Proceedings, 45th Annual Northeastern Storm Conf., Saratoga Springs, NY, Northern Vermont University - Lyndon Chapter of the American Meteorological Society and The National Weather Association, p. 66.
- Rodick, N. F. and S. M. Steiger, 2019: Topography influences within the Western Mohawk Valley on Tornadogenesis. Proceedings, 44th Annual Northeastern Storm Conf., Saratoga Springs, NY, Lyndon State College Student Chapter of the American Meteorological Society and The National Weather Association, p. 82.
- Steiger, S. M., 2019: Lessons learned from the SUNY Oswego Storm Forecasting and Observation Program 2018. Proceedings, 44th Annual Northeastern Storm Conf., Saratoga Springs, NY, Lyndon State College Student Chapter of the American Meteorological Society and The National Weather Association, p. 43.
- Butler, Z. J., Z. A. Hiris, and S. M. Steiger, 2018: Challenges associated with forecasting the 24-27 December 2017 high impact lake-effect snow event across Central New York without radar data. Proceedings, 43rd Annual Northeastern Storm Conf., Saratoga Springs, NY, Lyndon State College Student Chapter of the American Meteorological Society and The National Weather Association, p. 86.
- Steiger, S. M., 2018: Lessons learned from the SUNY Oswego Storm Forecasting and Observation Program 2018. Proceedings, 9th Annual Great Lakes Atmospheric Science Symposium, Oswego, NY, Oswego State Student Chapter of the American Meteorological Society and National Weather Association.
- Steiger, S. M., B. Bealo, and T. Cain, 2017: A comparison of misovortices found within two long lake-axis-parallel lake-effect snow bands during the OWLeS Project. Proceedings, 38th Conf. on Radar Meteorology, Chicago, IL, American Meteorological Society, 19A.4. [Available on-line at <https://ams.confex.com/ams/38RADAR/webprogram/Paper320581.html>]
- Steiger, S., and T. Kranz, 2017: Lake-effect lightning modification by a wind farm. Proceedings, 8th Conf. on the Meteorological Applications of Lightning Data, Seattle, WA, American Meteorological Society, 4.5. [Available on-line at <https://ams.confex.com/ams/97Annual/webprogram/Paper313299.html>]
- Steiger, S., 2016: Lake-effect lightning modification by a wind farm. Proceedings, 7th Annual Great Lakes Atmospheric Science Symposium, Oswego, NY, Oswego State Student Chapter of the American Meteorological Society and National Weather Association.
- Steiger, S., 2016: More lightning activity within an apparently less conducive storm: A tale of two lake-effect events during OWLeS. Proceedings, 41st Annual Northeastern Storm Conf., Saratoga Springs, NY, Lyndon State College Student Chapter of the American Meteorology Society and The National Weather Association, p. 50.

- Kranz, T., and S. M. Steiger, 2015: Lake-effect lightning during the Ontario Winter Lake-effect Systems Project: Associated microphysics, storm kinematics and a connection to wind farms? Extended Abstract, 7th Conf. on the Meteorological Applications of Lightning Data, Phoenix, AZ, American Meteorological Society, 6.4. [Available on-line at <https://ams.confex.com/ams/95Annual/webprogram/Paper259128.html>]
- Mulholland, J., J. W. Frame, and S. M. Steiger, 2015: Misovortices and boundaries within long lake-axis-parallel (LLAP) lake-effect snow bands east of Lake Ontario during the 2013–2014 Ontario Winter Lake-effect Systems (OWLeS) Project. Proceedings, 19th Conf. on Air-Sea Interaction, Phoenix, AZ, American Meteorological Society, 12.3.
- Mulholland, J., J. W. Frame, and S. M. Steiger, 2015: A numerical investigation into the presence of veer-back-veer vertical wind profiles in supercell environments: A case study of 30 and 31 May 2013. Proceedings, 16th Conf. on Mesoscale Processes, Boston, MA, American Meteorological Society, 3.7.
- Steiger, S. M., 2015: Misovortex characteristics and development along lake-effect bands during the OWLeS project. Proceedings, 16th Conf. on Mesoscale Processes, Boston, MA, American Meteorological Society, 13.1.
- Steiger S. M., and T. Kranz, 2015: Environmental conditions of lightning events during the Ontario Winter Lake-effect Systems project. Extended Abstract, 7th Conf. on the Meteorological Applications of Lightning Data, Phoenix, AZ, American Meteorological Society, 6.3. [Available on-line at <https://ams.confex.com/ams/95Annual/webprogram/Paper259128.html>]
- Kosiba, K. A., J. Wurman, S. Steiger, and J. Frame, 2014: Ontario Winter Lake-effect Systems (OWLeS): Fine-scale radar observations of small-scale circulations in intense lake-effect snow bands. Proceedings, 16th Conf. on Mountain Meteorology, San Diego, CA, American Meteorological Society, 8.4.
- Serke, D. J., M. C. King, R. Hansen, B. Geerts, S. M. Steiger, and J. Bognar, 2014: A new supercooled liquid water content sonde compared to research flight data. Extended Abstract, 17th Symp. on Meteorological Observation and Instrumentation, Denver, CO, American Meteorological Society. [Available on-line at <https://ams.confex.com/ams/21Applied17SMOI/webprogram/Paper247186.html>]
- Steiger S., A. Janiszewski, D. Ulrich, J. Mulholland, and T. Kranz, 2014: Misos, modeling and lightning during the OWLeS project. Proceedings, 5th Annual Great Lakes Atmospheric Science Symposium, Oswego, NY, Oswego State Student Chapter of the American Meteorological Society and National Weather Association.
- Steiger, S., 2014: Ontario Winter Lake-effect Systems 2013-14 field campaign review. Proceedings, 39th Annual Northeastern Storm Conf., Rutland, VT, Lyndon State College Chapter of the American Meteorological Society and National Weather Association, p. 22.

Steiger, S., 2013: The SUNY Oswego daily forecast contest: History and future. Proceedings, 4th Annual Great Lakes Atmospheric Science Symposium, Oswego, NY, Oswego State Student Chapter of the American Meteorological Society and National Weather Association.

Steiger, S., 2013: OWLeS: Ontario Winter Lake-effect Systems Project. Proceedings, 4th Annual Great Lakes Atmospheric Science Symposium, Oswego, NY, Oswego State Student Chapter of the American Meteorological Society and National Weather Association.

Barber, K. A. and H. Barbosa, 2012: The influence of the Saharan air layer on tropical cyclones during the 2011 hurricane season. Summer Scholars Poster Conference, SUNY-Oswego, Oswego, NY.

Barber, K. A. and K. Wodzicki, 2012: Preliminary case study of the 30 March 2012 interior snowstorm using the Doppler on Wheels. Proceedings, 3rd Annual Great Lakes Atmospheric Science Symposium, Oswego, NY, Oswego State Student Chapter of the American Meteorological Society and National Weather Association.

Ruth, D. J., K. D. Jaszka, B. W. Rathbun, R. S. Schrom, T. J. Kress, S. Steiger, and A. Stamm, 2012: Investigating the structure of long lake-axis-parallel lake-effect snow bands with a Doppler on Wheels. Proceedings, 16th Symp. on Meteorological Observation and Instrumentation, New Orleans, LA, American Meteorological Society.

Steiger, S., 2012: Lake-effect observations by the Doppler on Wheels 2010-11 & DOW educational deployments by SUNY Oswego 2012. Poster presented at the National Science Foundation Community Workshop on Radar Technologies, Boulder, CO

Steiger, S. M., 2012: Long Lake-axis-parallel lake-effect snow storms observed with the Doppler-on-Wheels: Nowcasting implications. Proceedings, 3rd WMO/WWRP International Symposium on Nowcasting and Very Short Range Forecasting, Rio de Janeiro, Brazil, Brazilian Meteorological Society and World Meteorological Organization.

Steiger, S., 2012: Low-level convergent boundary development in long lake-axis-parallel lake-effect snow bands sampled by a Doppler on Wheels. Proceedings, 37th Annual Northeastern Storm Conf., Rutland, VT, Lyndon State College Chapter of the American Meteorological Society and National Weather Association, p. 44.