**Project Name:** “Winter Storm Study” (no name yet)

**PIs/Co-PIs:** Likely Karen Kosiba (CSWR), Matt Kumjian (PSU), Kelly Lombardo (PSU), Steven Greybush (PSU), Mike French (SUNY Stonybrook), Josh Wurman (CSWR)

**Project Dates:** 5 January - 15 March 2022

**Project Location:** Northeast coast, with core region in New England, and possible extension as far as Maine and mid-Atlantic

**Scientific Summary:** We plan to obtain and analyze observations within intense coastal winter storms, focusing on the environment, precipitation processes, mesoscale boundaries, and precipitation banding. Observational analyses in conjunction with modelling studies will address various related hypotheses. The proposed project is substantially different than previously submitted Nor’easter proposals from these PIs.

**NSF Facilities Requested:** We anticipate requesting CSWR mobile/deployable radars, Mobile Mesonets, Pods, and Sounding Expendables.

**Number of Proposals:** We anticipate one Collaborative Proposal (University of Colorado, Center for Severe Weather Research, University of Connecticut, The Pennsylvania State University, and State University of New York Stonybrook).

**NSF Science Program:** Physical and Dynamical Meteorology

**Other Funding Agencies:** None.