This presentation will provide a brief description of the atmospheric data collected by the CIRES/NOAA POP team during the year-long Multidisciplinary drifting Observatory for the Study of Arctic Climate (MOSAiC) field program from Oct 2019 through Sep 2020 over the Central Arctic Ocean. Data collected by other research teams, particularly the Atmospheric Radiation Measurement (ARM) team, will also be briefly described if these observations are involved with the analyses currently underway by the POP team. During the 1.5 years since the end of the field program has been spent in processing the MOSAiC data and beginning specific scientific inquiries with the data. The data processing involved calibrations, quality control evaluations, and data editing. Several key topics will be described that are relevant for usage of the data, particularly the data from the flux tower at the Central Observatory. This will be followed by descriptions of preliminary analysis begun on a variety of topics, including the evolution of the surface energy budget, the structure and evolution of Arctic cyclones, and the thermodynamic and kinematic air-ice-ocean interactions revealed by the observations, particularly as they relate the lower-tropospheric structure of Arctic cyclones. The seminar is meant to encourage discussions with and among the MOSAiC researchers present and those interested in the various topics.

Link:  
https://us02web.zoom.us/j/83230991083?pwd=emdmZnBEYIFOZGczUW1kQ0cvRWZaQT09

Meeting-ID: 832 3099 1083, Kenncode: 995792