Figure S1: Time series of SHF derived from SOFS mooring data, with gaps indicating missing time steps in the dataset.
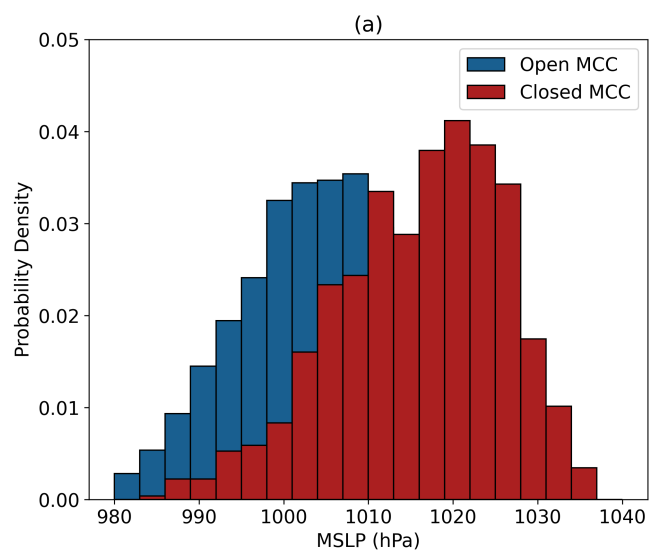
Figure S2: Probability density distribution of MSLP during open and closed MCC conditions.