



Air-sea interaction measurements in cyclones over Arctic sea ice and the Norwegian Sea

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Cyclones belong to the strongest events of air-sea interaction. Measurements are presented from cyclones over the Arctic sea ice and the open North Atlantic west of Norway. Measurements were taken by aircraft, ships and automatic buoys. The observational data are used to determine the cyclone properties, the fluxes at the air-ice and air-sea interface, and the impact on the underlying ice or ocean. Results from strong cyclone events are presented and the demands on the models' abilities and qualities are discussed.