

CRYOSPHERIC STUDY IN THE GRENE-ARCTIC PROJECT

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During the first intensive observing period in 2012, glacier research in Siberia and ice sheet research in Greenland are carried out. Snow cover research and local weather research groups set the instruments in the various research fields, in Scandinavia, Alaska and Siberia. This study tries to overview the regional variations of cryospheric conditions from the Arctic climate system. Regional cryospheric reports and circum-Arctic weather conditions in 2012 summer indicates a trans-Arctic cryosphere-weather conditions, connecting Greenland melting, Siberian dry and hot summer, and instabilities of Siberian coast, northern Greenland and Japanese monsoonal weather. Alternative temperature patterns and over Arctic regions causes regional warm/cool area and temperature gradient zones.

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