

Mosley-Thompson, E. and L.G. Thompson. 1994

Dust in polar ice sheets

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Insoluble dust deposited within polar snow provides paleoclimatic information which is derived from changes in its abundance, type and size distribution. Over glacial/interglacial time scales increased atmospheric dustiness is linked closely to cooler global surface temperatures, but on shorter (decadal to centennial) time scales atmospheric dust concentrations are controlled by regional-scale, rather than global-scale, processes.