

METEOROLOGICAL OBSERVATIONS BY DATA-LOGGING AUTOMATIC  
WEATHER STATION AT DOME FUJI STATION (ABSTRACT)

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Automatic weather stations (AWS) using data loggers were distributed along the traverse route from Syowa Station to Dome Fuji Station (3810 m a.s.l.). A data logger was set at Dome Fuji Station in January, 1994 and the first year-round observations were performed at Dome Fuji Station.

The temperature data shows recurring abrupt increases in winter. The minimum temperature in 1994 was  $-78.1^{\circ}\text{C}$  and the mean temperature was  $-52^{\circ}\text{C}$ . Wind direction was highly variable. Katabatic wind with constant wind direction is not observed but wind direction rotated counter-clockwise throughout the year. There were some interruptions in the wind speed data, thus a complete wind speed data set could not be obtained at Dome Fuji Station. However, the data show a wind of 12.7 m/s in winter. The wind direction in that case was between north and east. This could be a case of a storm at Dome Fuji Station.

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