

## VII. SNOW TEMPERATURE AT 10 METERS BELOW THE SURFACE IN MIZUHO PLATEAU IN 1972-1973

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Snow temperature at a depth of 10m was measured at 9 sites in Mizuho Plateau in 1972 - 1973 (JARE-12 and -13). A thermistor-thermometer which had been calibrated with a standard thermometer at Syowa Station was placed in a vertical hole, 10m deep, bored with a SIPRE-type hand auger. The thermometer was read 4 - 8 hours after setting, when a thermal equilibrium was obtained. The accuracy of the measurement was  $\pm 0.5^{\circ}\text{C}$ . The results are given in Table 1.

Table 1. Snow temperature at 10m depth in Mizuho Plateau in 1972-1973.

Station	Location			Temperature ( $^{\circ}\text{C}$ )	Date	Observer
	Latitude (S)	Longitude (E)	Altitude (m)			
Mizuho Camp	70 $^{\circ}$ 42'	44 $^{\circ}$ 18'	2169	-34.4	Jan.13,1972	T.Yamada
Z 40	70 20	43 37	2020	-31.1	Jan.20,1972	
S122	70 01	43 07	1853	-28.7	Jan.21,1972	
S 90	69 28	42 42	1560	-25.1	Jan.22,1972	
S 50	69 04	41 35	1215	-21.8	Jan.24,1972	
S 16	69 02	40 03	553	-14.7	Jan.25,1972	
**M 5			404	-13.4	Jan.27,1972	
Mizuho Camp	70 $^{\circ}$ 42'	44 $^{\circ}$ 18'	2169	-32.7 (8.5m)	May 22,1972	H.Narita
S122	70 01	43 07	1853	-27.4	Jan.24,1973	
H228	—	—	—	-25.0	Jan.25,1973	
H128	—	—	—	-20.8	Jan.26,1973	

\*\* M5 : about 5km west of S16 (See Fig.1 of the Report I).

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