

## 1. Outline of Field Observations during 1994-1995

A five-year glaciological program, the deep ice coring and analysis project at Dome Fuji, Antarctica was started in 1992 and continued to operate during the 1994-95 field activities of the 35th Japanese Antarctic Research Expedition (JARE-35). Following the extension of oversnow traverse route to Dome Fuji by JARE-32 and -33 (FUJII, 1992; KAMIYAMA *et al.*, 1994) and the shallow coring at Dome Fuji by JARE-34 (MOTOYAMA *et al.*, 1995), JARE-35 established Dome Fuji Station in 1994-1995.

For the transportation of both fuel and material for camp construction, four oversnow traverses were carried out by JARE-35 as shown in Table 1-1. Several kinds of glaciological and meteorological observations were conducted during the oversnow traverses as shown in Table 1-2. The participants and their assignments in the traverse operations are listed in Table 1-3.

We would like to express our sincere thanks to all members of JARE-35 who extended generous support in the field work. Our first and final traverses were supported by JARE-34, led by Prof. N. Sato, and JARE-36, led by Prof. Y. Ageta, respectively.

### References

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- MOTOYAMA, H., ENOMOTO, H., MIYAHARA, M. and KOIKE, J. (1995): Glaciological data collected by the 34th Japanese Antarctic Research Expedition in 1993. *JARE Data Rep.*, **202** (Glaciology 23), 42p.

Table 1-1. Four oversnow traverses carried out by JARE-35.

Traverse No.	Period		Traverse route		Distance km	Participants	Oversnow vehicle
	from	to	from	to			
1	10 Jan. '94	19 Jan.	S16	MD364	628	6 (4)	SM50 (2), SM100 (2)
	20 Jan.	28 Jan.	MD364	S16	628	6 (4)	SM50 (2), SM100 (2)
2	4 Apr.	26 Apr.	S16	MD364	628	9 (2)	SM50 (1), SM100 (3)
	28 Apr.	7 May.	MD364	S16	628	9 (2)	SM50 (1), SM100 (3)
3	20 Aug.	3 Sep.	S16	MD364	628	9	SM100 (4)
	9 Sep.	19 Sep.	S16	MD364	628	9	SM100 (4)
4-1	11 Oct.	1 Nov.	S16	MD732	998	6	SM100 (4)
4-2	7 Nov.	11 Nov.	MD732	MD364	370	6	SM100 (4)
4-3	23 Oct.	12 Nov.	S16	MD364	628	7	SM50 (3), D40PL (2)
4-4	16 Nov.	21 Nov.	MD364	MD732	370	4	SM50 (1), SM100 (2)
4-5	16 Nov.	25 Nov.	MD364	MD732	370	5	SM50 (2), D40PL (2)
4-6	16 Nov.	3 Dec.	MD364	S16	628	4(1)	SM100 (2)
4-7	14 Nov.	17 Nov.	S16	Mizuho	256	4	SM50 (2)
4-8	22 Nov.	25 Nov.	Mizuho	S16	256	4	SM50 (2)
4-9	29 Nov.	5 Dec.	MD732	MD364	370	4	SM100 (2), D40PL (2)
4-10	10 Dec.	18 Dec.	MD364	MD732	370	4	SM100 (2), D40PL (2)
4-11	21 Jan. '95	8 Feb.	MD732	S16	998	5	SM50 (2), D40PL (2)
4-12	29 Jan. '95	7 Feb.	MD732	S16	998	7	SM50 (3), SM100 (2)

SM 50 and 100 are types of the oversnow vehicles, and D40PL that of Bulldozer.

The number of support members, and that of each vehicle are shown in parentheses.

Table 1-2. Glaciological and meteorological observations carried out during four oversnow traverses. Asterisks indicate the observed items.

Item	Interval	Traverse 1	Traverse 2	Traverse 3	Traverse 4	Main observer
Snow stake along routes	2 km	*(JARE-34)		*	*	SAITO & SHIRAIWA
36-stake farm		*(JARE-34)			*(JARE-36)	SAITO & YOKOYAMA
101-stake row		*(JARE-34)			*(JARE-36)	SAITO & YOKOYAMA
50-stake row		*(JARE-34)			*(JARE-36)	SAITO & YOKOYAMA
Snow sampling	20 km	*(JARE-34)			*	SHIRAIWA & SAITO
Meteorology	06,09,12,15,21(LT)	*(JARE-34)	*	*	*	INAGAWA et al.
Pit observation (Density)	once/day	*			*	SHIRAIWA
Pit observation (Sampling)	once/day				*	SAITO
Automatic Weather Station		*(JARE-34)			*	SHIRAIWA & SAITO
Snow surface temperature			*	*	*	SAITO

Table 1-3. Participants and their assignments in the traverse operation.

Name	Assignments	Traverse No.
Hitoshi SHOJI	Leader; Glaciologist	1,2,3,4
Okitsugu WATANABE	Glaciologist	1
Kotaro YOKOYAMA	Glaciologist	4
Takeo HONDOH	Glaciologist	1
Takashi SAITO	Navigator; Glaciologist	2,3,4
Takeshi SAITO	Architect	2,4
Takayuki SHIRAIWA	Navigator; Glaciologist	1,4
Takaaki YAMASHITA	Chief Mechanic	3
Kazuhisa NAKAGAWA	Mechanic	4
Yuji KONISHI	Mechanic	2,4
Koichi MORIYAMA	Mechanic	1,3,4
Ei'ichi KOBOH	Mechanic	4
Yuzuru INAGAWA	Chief Meteorologist	2,4
Yoshikatsu YAMAMOTO	Meteorologist	3
Toshihiro ABO	Meteorologist	3
Yuji TAGUCHI	Meteorologist	1,4
Shinji YABU	Radio operator	3
Masashi ITO	Radio operator	2,4
Tsuginori YOSHIDA	Medical doctor	3
Ichio OBINATA	Medical doctor	2,4
Takahiro MATSUI	Cook	4
Ken YOSHIZAWA	Field assistant	3
Yoshiaki SATO	Field assistant	2,4
Masaru SAKAMOTO	Field assistant	4
Hiroshi NISHIMURA	Field assistant	4