

Deep Ice Coring Project at Dome Fuji, Antarctica II (2004-05 summer season)

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The deep ice coring project is advancing at Dome Fuji station, high plateau of Antarctic ice sheet. The purpose of this project are 1) reconstruction of global climate and environmental change past 1 million years, 2) elucidation of the generating mechanism of 10 kyr glacial cycle which began from 800 - 1000 kyr before. In 2004-05 summer season which is equal to the second year of project, ice core drilling were successfully conducted from 362.31m to 1850.35m. The ice core age at 1850m is around 141 kyr BP. This is equivalent to the final stage of Illinois glacial age. The operation of deep ice coring were almost smoothly in 42 days. We aim at the deep ice core drilling to near the bedrock in the next season.

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