

Glaciological Activities of 54th Japanese Antarctic Research Expedition Inland team

Hideaki Motoyama^{1*}, SUZUKI, Toshitaka³, FUKUI, Kotaro⁴, OHNO, Hiroshi¹, HOSHINA, Yu⁵, FUJITA, Shuji¹

¹National Institute of Polar Research, ²The Graduate University for Advanced Studies, ³Yamagata University, yamagata, ⁴Tateyama Caldera Sabo Musium, ⁵Nagoya University

By the 54th Japanese Antarctic Research Expedition, we carried out the observations from coast to inland Dome Fuji area, Antarctic Ice Sheet. The main observational items are, 1. deep borehole logging, 2. GPS observation, 3. radar echo soundings, 4. shallow ice coring, 5. surface mass balance, 6. automatic weather station, 7. snow pit and surface snow sampling. We introduce the summary of the observations and some topics.

Keywords: Antarctic ice sheet, Dome Fuji, surface mass balance, borehole logging, radar echo sounding, surface snow sampling