

The 8th International Ice Drill Symposium



Contribution ID: 27

Type: Oral

Shallow ice core drillings at South East Dome, Greenland in 2015 and 2020.

Tuesday 1 October 2019 15:40 (20 minutes)

We conducted a 90.45 m ice core drilling in a high accumulation area of the southeastern Greenland Ice Sheet in 2015. The drilling site (SE-Dome; 67.81°N, 36.37°W, 3170m a.s.l.) is located 185km north of the Tasiilaq. We used a helicopter, Bell 212 for transportation. Two and two flights of Bell 212 were required to fly in and out SE-Dome. We used a light weight of electromechanical drill developed in Hokkaido Univ. In 2020, we are going to drill a 300 m ice core in SE-Dome to assemble a database of aerosol deposition for 250 years. Logistics of ice drilling in 2015 and a plan of next drilling in are presented in this paper.

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Session Classification: Session 4