**Sd-P001** Room: Poster Time: June 9 17:30-19:30

Testing measurements concerning the seismic refraction/reflection experiments by the SEAL project in 1996-1998.

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Several testing measurements concerning the seismic refraction/reflection experiments by SEAL (Structure and Evolution of the East Antarctic Lithosphere) project were carried out in the wintering season of JARE-38 in 1996-1998. Such the instruments as steam water ejective-type ice/snow-drilling system, expendable ground system segment (GSS), long term batteries were repeatedly tested to operate properly in the Antarctic meteorological conditions. Additionally, the seismic array observations using short period seismometers on the ice sheet were conducted in order to investigate the properties of seismic wave propagation on the ice sheet and to detect the lower crustal reflected layers on the Mizuho Plateau, which were already suggested by NMO analyses for the refracted data of JARE-21.