

Antarctic large area network observation of auroral phenomena using unmanned system (3)

Akira Kadokura[1]; Hisao Yamagishi[2]; Masaki Okada[3]; Yasunobu Ogawa[3]; Yoshimasa Tanaka[4]; Ryuho Kataoka[3];
Herbert Akihito Uchida[5]; Yuichi Otsuka[6]; Natsuo Sato[3]

[1] ROIS-DS/NIPR; [2] National Inst. Polar Res.; [3] NIPR; [4] NIPR/SOKENDAI; [5] SOKENDAI; [6] ISEE, Nagoya Univ.

Several conjugate auroral events observed at Syowa Station and Amundsen Bay (by the Unmanned Auroral Observation system (UAO)) in Antarctica, and observatories in Iceland during 2017 - 2018 are analyzed. We will also introduce our plan to install the UAO-2 at Belgium Princess Elisabeth Antarctic station and an all-sky imager system at Indian Maitri Station in January, 2020.