

A04-P07

CURRENT STATUS OF UPPER ATMOSPHERE PHYSICS OBSERVATION IN ICELAND IN 2015

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Syowa Station (SYO) in Antarctica and Iceland in the northern hemisphere are located at auroral latitudes, and in the geomagnetic conjugate relationship, where both are connected with each other with a same magnetic field line. Conjugate observations of auroral phenomena in Iceland have been carried out since 1983 as a collaborative project between National Institute of Polar Research (NIPR), Japan and University of Iceland. At present, there are two observatories in Iceland; Husafell (HUS) and Tjornes (TJO). Conjugate point of Syowa, which was initially located between HUS and TJO in 1983, is now located just north-eastward of TJO. Various ground-based instruments are operated now. We will show the current status of the upper atmosphere physics observations in Iceland as of 2015.

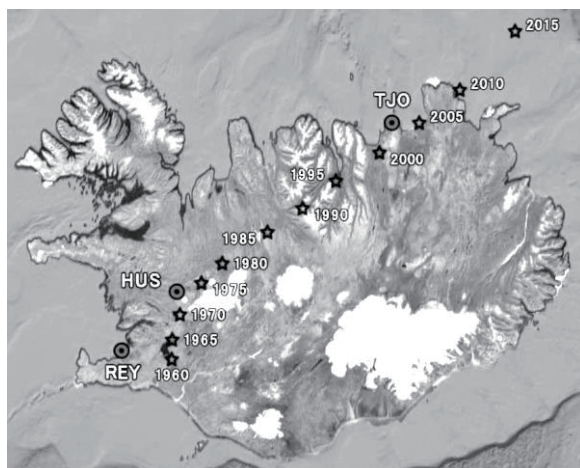


Fig.1. Map of Iceland. Indicated are locations of observatories in Iceland (HUS, TJO), and geomagnetic traced footprints of Syowa Station (star symbols) from 1980 to 2015.