Nunavut Research Institute / ᓄᓇᕗᒻᒥ ᖃᐅᔨᓴᖅᑐᓕᕆᔨᒃᑯᑦ
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SCIENTIFIC RESEARCH LICENSE

LICENSE NUMBER 02 041 24R-M

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TEAM MEMBERS: T.Kolkman, R.Rohel, D.Galeschuk, S.Marei

TITLE: SuperDARN Radar Sites

OBJECTIVES OF RESEARCH:
Super Dual Auroral Radar Network (SuperDARN) Canada is a network of high-frequency (HF) radars located throughout the northern hemisphere. The purpose of the SuperDARN is to study plasma in the near-Earth space system, its interaction with the Earth's atmosphere and geospace environment, its effects on the terrestrial "hard" infrastructure (e.g. communications, energy, transportation, etc.), and it's role in the Sun-Earth system. SuperDARN convection/voltage maps are essential for studies of the impact of space weather at Earth. Space weather researchers rely on SuperDARN data for putting their localized observations in context. SuperDARN radars are extremely reliable, being easily accessible for repairs and upgrades. This reputation has made SuperDARN a favorite tool for space weather scientists.

TERMS & CONDITIONS:
The holder of the license will be bound by the terms and conditions of the Nunavut Impact Review Board Screening Decision Report (NIRB File # 04YN076) and the Department of Culture & Heritage archaeological sites terms and conditions. These terms and conditions will form part of this license.

DATA COLLECTION IN NU:
DATES: August 22,2024 to December 31,2024
LOCATION: Clyde River, Rankin Inlet

Scientific Research License 02 041 24R-M expires on December 31,2024
Issued at Iqaluit, NU on August 22,2024

James Shirley
Science Advisor

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