

**SCIENTIFIC RESEARCH LICENSE**

LICENSE # 02 028 25R-M

ISSUED TO: Kimberly Strong  
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AFFILIATION: University of Toronto

TITLE: CANDAC-The Canadian Network for the Detection of Atmospheric Change

**OBJECTIVES OF RESEARCH:**

The 2026 planned research program at PEARL will include: Quantifying the amount of ozone and constituents related to ozone destruction in the atmosphere, using spectroscopic ultraviolet and infra red measurements of direct and scattered solar radiation, radiation emitted by the atmosphere, and direct sampling of surface air. Quantifying the amount of carbon dioxide, methane, and other molecules important in climate change, using spectroscopic ultraviolet, visible and infra red measurements of direct and scattered solar radiation, and radiation emitted by the atmosphere. Measurement of atmospheric particles, using in situ sampling, remote sensing, and lidar techniques. Measurements of upper atmospheric, lower mesospheric temperatures and winds using radar and optical techniques. The measurement of broadband solar radiation at the surface. Tracking objects in earth orbit using cameras. In support of the above goals, we intend to have three PEARL based campaigns, during which 4-6 persons will travel to Eureka to work at PEARL sites. Those campaigns are tentatively scheduled for March-April, June-July, and October-December 2026.

**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 # 09YN017) and the Department of Culture & Heritage archaeological sites terms and conditions. These terms and conditions will form part of this licence. These terms and conditions will form part of this license.

**DATA COLLECTION IN NU:**

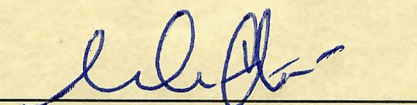
DATES: March 31, 2026-December 31, 2026

LOCATION: Eureka

Scientific Research License 02 028 25R-M expires on December 31, 2026

Issued at Iqaluit, NU on March 31, 2026

PER



James Shirley  
Science Advisor

