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# Nunavummi Qaujisaqtulirijikkut / Nunavut Research Institute

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## SCIENTIFIC RESEARCH LICENSE

LICENSE # 02 110 11N-A

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AFFILIATION: Environment Canada

TITLE: Pan-Arctic Measurements and Arctic Regional Climate Model Simulations  
(PAMARCMIP) 2011

### OBJECTIVES OF RESEARCH:

An airborne research project called PAMARCMIP 2011 will study the meteorology, air quality, and sea ice thickness in the Arctic. A subproject (instrumentation on board for flights out of Eureka and Alert only) will focus on passive microwave measurements for sea ice and terrestrial snow cover applications. The German research aircraft POLAR-5 will travel between-Barrow, Inuvik, Resolute, Alert, Eureka, Station Nord and Longyearbyen, with research flights over sea ice planned from each of these locations. The flight routes and stations for activities within Nunavut are shown in the attached map and ArcGIS shapefile. At Alert, another subproject will performed coincident flights with the POLAR-5 using two Twin Otter aircraft over the sea ice north of Ellesmere Island.

### TERMS & CONDITIONS:

#### DATA COLLECTION IN NU:

DATES: April 01, 2011-April 30, 2011

LOCATION: Resolute Bay,Alert,Eureka

Scientific Research License 02 110 11N-A expires on December 31, 2011

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