



New

Scientific Research

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$\gamma_b \Delta^c \dot{\gamma} \Pi \sigma^b \quad \Lambda_{\text{C}} \cdot \Delta^{\gamma_b} \gamma_{\sigma} \Delta_{\text{L}} \Delta^{\alpha_L} \sigma^b$

Arctic warms at a rate twice the global average and the sea-ice declines at an unprecedented rate. While the decline in sea-ice is concurrent with the atmospheric/ocean warming, the observed variability is elusive of simple relationships. Recent studies indicate the role of the phase of precipitation on sea-ice growth and decay. There is evidence that extreme events are increasing, be it ice melting, precipitation, storms, pollution etc., in which atmosphere-Ocean-ice interact at different time and spatial scales. e.g. Atmospheric circulation transport and disperse aerosols that contribute to the observed changes by altering the radiative forcing, and may eventually lead to ice melting by changes in albedo. Sometimes unexpected consequences follow. Uncertainties in our formulations of these processes mainly arises from the paucity in observations and lead to less reliable climate projections and can take a toll on food security and human health. Therefore, there is a need to observe the ocean-atmosphere-ice system in the Arctic. We will begin by setting up atmospheric measurements in Cambridge Bay.

▷ΔΛΠ◁: L'Arctique se réchauffe à un rythme deux fois plus rapide que la moyenne mondiale et la glace de mer diminue à un rythme sans précédent. Bien que le déclin de la glace de mer soit concomitant au réchauffement de l'atmosphère et de l'océan, la variabilité observée est insaisissable des relations simples. Des études récentes indiquent le rôle de la phase des précipitations sur la croissance et la pourriture de la glace de mer. Il existe des preuves que les événements extrêmes augmentent, qu'il s'agisse de la fonte des glaces, des précipitations, des tempêtes, de la pollution, etc., dans lesquels l'atmosphère, l'océan et la glace interagissent à différentes échelles temporelles et spatiales. p. ex. transport de la circulation atmosphérique et aérosols dispersés qui contribuent aux changements observés en modifiant le forçage radiatif, et peuvent éventuellement conduire à la fonte des glaces par des changements dans l'albédo. Des conséquences parfois inattendues s'ensuivent. Les incertitudes dans nos formulations de ces processus découlent principalement du manque d'observations et conduisent à des projections climatiques moins fiables et peuvent avoir des répercussions sur la sécurité alimentaire et la santé humaine. Par conséquent, il est nécessaire d'observer le système océan-atmosphère-glace dans l'Arctique. Nous commencerons par mettre en place des mesures atmosphériques à Cambridge Bay.

[illegible]

Inuinnaqtun: Ukiuqtaqtumi uunaqnia malguiqtuqhugu nunaqyuami uunavyaktuq uvalu tariup hikua ikiliyuumiqtut angiyumik. Uunaqpalaagtut hulaqutiyut tariup hikuanun ikiliyuumiqtut. Qanganuaq naunaiyautit tautungnaqtut tapkua nipaluit uvalu aputit pidjutiqaangniaqtut tamaqpalianirmun uvalu angiklivalianiaqtut hikumi. Unaluttauq, halumailrut aktuutauvaktut nunaryuami auladjutikhanut maniit atugakhat. Piqaqtuq ikitunik hilatigut tautuktamingnik Kanatami Ukiuqtaqtumi uvalu pidjutiqaqtut nalunikkut mikhaagun hilap itqungniagutit. Una akhuurutauyuq niqighaqaattiarniqmik inuuhiqaattiarnirmunlu. Talvuuna, munagigiaqaqtukhauyugut hilaptingni talvani Kanaitian Ukiuktaqtuni. Iliurarniaqtugut ikiani munarinirnik Iqaluktuutti.

Personnel

Personnel on site: 3

Days on site: 30

Total Person days: 90

Operations Phase: from 2022-11-01 to 2026-10-30

$\Lambda c_n \triangleleft n \rightarrow \sigma \triangleleft^{q_b})^c$ [illegible]

መረጥፊ ለረዕይናቸው ምረቃ ለሰራተኛቸው ለሰራተኛቸው ለሰራተኛቸው ለሰራተኛቸው

[illegible]

$\epsilon \Delta^{\alpha} j^{\beta} \wedge J^{\alpha} e_{\beta} \dot{N} \ll R^{\alpha} r^{\beta} C D P L \dot{\chi}^{\gamma}$

உதிர்தர^௭ர^௮ச^௯ ஸ^{௧௦} ஸ^{௧௧} ஸ^{௧௨} ஸ^{௧௩} ஸ^{௧௪} ஸ^{௧௫} ஸ^{௧௬} ஸ^{௧௭} ஸ^{௧௮} ஸ^{௧௯} ஸ^{௨௦} ஸ^{௨௧} ஸ^{௨௨} ஸ^{௨௩} ஸ^{௨௪} ஸ^{௨௫} ஸ^{௨௬} ஸ^{௨௭} ஸ^{௨௮} ஸ^{௨௯} ஸ^{௩௦} ஸ^{௩௧} ஸ^{௩௨} ஸ^{௩௩} ஸ^{௩௪} ஸ^{௩௫} ஸ^{௩௬} ஸ^{௩௭} ஸ^{௩௮} ஸ^{௩௯} ஸ^{௪௦} ஸ^{௪௧} ஸ^{௪௨} ஸ^{௪௩} ஸ^{௪௪} ஸ^{௪௫} ஸ^{௪௬} ஸ^{௪௭} ஸ^{௪௮} ஸ^{௪௯} ஸ^{௫௦} ஸ^{௫௧} ஸ^{௫௨} ஸ^{௫௩} ஸ^{௫௪} ஸ^{௫௫} ஸ^{௫௬} ஸ^{௫௭} ஸ^{௫௮} ஸ^{௫௯} ஸ^{௬௦} ஸ^{௬௧} ஸ^{௬௨} ஸ^{௬௩} ஸ^{௬௪} ஸ^{௬௫} ஸ^{௬௬} ஸ^{௬௭} ஸ^{௬௮} ஸ^{௬௯} ஸ^{௭௦} ஸ^{௭௧} ஸ^{௭௨} ஸ^{௭௩} ஸ^{௭௪} ஸ^{௭௫} ஸ^{௭௬} ஸ^{௭௭} ஸ^{௭௮} ஸ^{௭௯} ஸ^{௮௦} ஸ^{௮௧} ஸ^{௮௨} ஸ^{௮௩} ஸ^{௮௪} ஸ^{௮௫} ஸ^{௮௬} ஸ^{௮௭} ஸ^{௮௮} ஸ^{௮௯} ஸ^{௯௦} ஸ^{௯௧} ஸ^{௯௨} ஸ^{௯௩} ஸ^{௯௪} ஸ^{௯௫} ஸ^{௯௬} ஸ^{௯௭} ஸ^{௯௮} ஸ^{௯௯} ஸ^{௧௦௦} ஸ^{௧௦௧} ஸ^{௧௦௨} ஸ^{௧௦௩} ஸ^{௧௦௪} ஸ^{௧௦௫} ஸ^{௧௦௬} ஸ^{௧௦௭} ஸ^{௧௦௮} ஸ^{௧௦௯} ஸ^{௧௧௦} ஸ^{௧௧௧} ஸ^{௧௧௨} ஸ^{௧௧௩} ஸ^{௧௧௪} ஸ^{௧௧௫} ஸ^{௧௧௬} ஸ^{௧௧௭} ஸ^{௧௧௮} ஸ^{௧௧௯} ஸ^{௧௨௦} ஸ^{௧௨௧} ஸ^{௧௨௨} ஸ^{௧௨௩} ஸ^{௧௨௪} ஸ^{௧௨௫} ஸ^{௧௨௬} ஸ^{௧௨௭} ஸ^{௧௨௮} ஸ^{௧௨௯} ஸ^{௧௩௦} ஸ^{௧௩௧} ஸ^{௧௩௨} ஸ^{௧௩௩} ஸ^{௧௩௪} ஸ^{௧௩௫} ஸ^{௧௩௬} ஸ^{௧௩௭} ஸ^{௧௩௮} ஸ^{௧௩௯} ஸ^{௧௪௦} ஸ^{௧௪௧} ஸ^{௧௪௨} ஸ^{௧௪௩} ஸ^{௧௪௪} ஸ^{௧௪௫} ஸ^{௧௪௬} ஸ^{௧௪௭} ஸ^{௧௪௮} ஸ^{௧௪௯} ஸ^{௧௫௦} ஸ^{௧௫௧} ஸ^{௧௫௨} ஸ^{௧௫௩} ஸ^{௧௫௪} ஸ^{௧௫௫} ஸ^{௧௫௬} ஸ^{௧௫௭} ஸ^{௧௫௮} ஸ^{௧௫௯} ஸ^{௧௬௦} ஸ^{௧௬௧} ஸ^{௧௬௨} ஸ^{௧௬௩} ஸ^{௧௬௪} ஸ^{௧௬௫} ஸ^{௧௬௬} ஸ^{௧௬௭} ஸ^{௧௬௮} ஸ^{௧௬௯} ஸ^{௧௭௦} ஸ^{௧௭௧} ஸ^{௧௭௨} ஸ^{௧௭௩} ஸ^{௧௭௪} ஸ^{௧௭௫} ஸ^{௧௭௬} ஸ^{௧௭௭} ஸ^{௧௭௮} ஸ^{௧௭௯} ஸ^{௧௮௦} ஸ^{௧௮௧} ஸ^{௧௮௨} ஸ^{௧௮௩} ஸ^{௧௮௪} ஸ^{௧௮௫} ஸ^{௧௮௬} ஸ^{௧௮௭} ஸ^{௧௮௮} ஸ^{௧௮௯} ஸ^{௧௯௦} ஸ^{௧௯௧} ஸ^{௧௯௨} ஸ^{௧௯௩} ஸ^{௧௯௪} ஸ^{௧௯௫} ஸ^{௧௯௬} ஸ^{௧௯௭} ஸ^{௧௯௮} ஸ^{௧௯௯} ஸ^{௨௦௦} ஸ^{௨௦௧} ஸ^{௨௦௨} ஸ^{௨௦௩} ஸ^{௨௦௪} ஸ^{௨௦௫} ஸ^{௨௦௬} ஸ^{௨௦௭} ஸ^{௨௦௮} ஸ^{௨௦௯} ஸ^{௨௧௦} ஸ^{௨௧௧} ஸ^{௨௧௨} ஸ^{௨௧௩} ஸ^{௨௧௪} ஸ^{௨௧௫} ஸ^{௨௧௬} ஸ^{௨௧௭} ஸ^{௨௧௮} ஸ^{௨௧௯} ஸ^{௨௨௦} ஸ^{௨௨௧} ஸ^{௨௨௨} ஸ^{௨௨௩} ஸ^{௨௨௪} ஸ^{௨௨௫} ஸ^{௨௨௬} ஸ^{௨௨௭} ஸ^{௨௨௮} ஸ^{௨௨௯} ஸ^{௨௩௦} ஸ^{௨௩௧} ஸ^{௨௩௨} ஸ^{௨௩௩} ஸ^{௨௩௪} ஸ^{௨௩௫} ஸ^{௨௩௬} ஸ^{௨௩௭} ஸ^{௨௩௮} ஸ^{௨௩௯} ஸ^{௨௪௦} ஸ^{௨௪௧} ஸ^{௨௪௨} ஸ^{௨௪௩} ஸ^{௨௪௪} ஸ^{௨௪௫} ஸ^{௨௪௬} ஸ^{௨௪௭} ஸ^{௨௪௮} ஸ^{௨௪௯} ஸ^{௨௫௦} ஸ^{௨௫௧} ஸ^{௨௫௨} ஸ^{௨௫௩} ஸ^{௨௫௪} ஸ^{௨௫௫} ஸ^{௨௫௬} ஸ^{௨௫௭} ஸ^{௨௫௮} ஸ^{௨௫௯} ஸ^{௨௬௦} ஸ^{௨௬௧} ஸ^{௨௬௨} ஸ^{௨௬௩} ஸ^{௨௬௪} ஸ^{௨௬௫} ஸ^{௨௬௬} ஸ^{௨௬௭} ஸ^{௨௬௮} ஸ^{௨௬௯} ஸ^{௨௭௦} ஸ^{௨௭௧} ஸ^{௨௭௨} ஸ^{௨௭௩} ஸ^{௨௭௪} ஸ^{௨௭௫} ஸ^{௨௭௬} ஸ^{௨௭௭} ஸ^{௨௭௮} ஸ^{௨௭௯} ஸ^{௨௮௦} ஸ^{௨௮௧} ஸ^{௨௮௨} ஸ^{௨௮௩} ஸ^{௨௮௪} ஸ^{௨௮௫} ஸ^{௨௮௬} ஸ^{௨௮௭} ஸ^{௨௮௮} ஸ^{௨௮௯} ஸ^{௨௯௦} ஸ^{௨௯௧} ஸ^{௨௯௨} ஸ^{௨௯௩} ஸ^{௨௯௪} ஸ^{௨௯௫} ஸ^{௨௯௬} ஸ^{௨௯௭} ஸ^{௨௯௮} ஸ^{௨௯௯} ஸ^{௩௦௦} ஸ^{௩௦௧} ஸ^{௩௦௨} ஸ^{௩௦௩} ஸ^{௩௦௪} ஸ^{௩௦௫} ஸ^{௩௦௬} ஸ^{௩௦௭} ஸ^{௩௦௮} ஸ^{௩௦௯} ஸ^{௩௧௦} ஸ^{௩௧௧} ஸ^{௩௧௨}

Kitikmeot

[illegible]

<p> ሲፈረም የሚገኝበት የጥያቄው ዓላማ የሚገኝበት የሥራ ዓላማ የሚገኝበት የሥራ ዓላማ የሚገኝበት የሥራ ዓላማ </p>	<p> የሥራው ዓላማ የሚገኝበት የሥራ ዓላማ የሚገኝበት የሥራ ዓላማ የሚገኝበት የሥራ ዓላማ </p>	<p> የሥራው ዓላማ የሚገኝበት የሥራ ዓላማ የሚገኝበት የሥራ ዓላማ የሚገኝበት የሥራ ዓላማ </p>	<p> የሥራው ዓላማ የሚገኝበት የሥራ ዓላማ የሚገኝበት የሥራ ዓላማ የሚገኝበት የሥራ ዓላማ </p>	<p> የሥራው ዓላማ የሚገኝበት የሥራ ዓላማ የሚገኝበት የሥራ ዓላማ የሚገኝበት የሥራ ዓላማ </p>
<p> ሥራው የሚገኝበት የሥራው ዓላማ የሚገኝበት የሥራ ዓላማ የሚገኝበት የሥራ ዓላማ </p>	<p> Application submitted on 05 August 2022 </p>	<p> Applied, Decision Pending </p>	<p> 2022-08-05 </p>	

Project transportation types

Transportation Type	How to reach the site	Length of Use
Air	We shall reach via air transport to Cambridge Bay	

Project accomodation types

Permanent Camp

Λ⁹δ^c Δ⁹ρ²ζ⁵ Δ⁹CDσD⁴ζ⁵ Δ^cζ⁵ρD³Π³ρ^c Δ^jCD^c, Γ^cΔ³ρ³Π^c, ζ⁵ζ⁵CD^jζ⁵, μερD^c Δ^ρρ^cΔ

[illegible]

ΔL⁹⁶ ΔD⁹⁶ CD⁹⁶ ΔL⁹⁶ ΔD⁹⁶

$\mathcal{D}^c \rightarrow \mathcal{C} \dot{\mathcal{I}}^{\mathfrak{b}} \mathcal{A} \mathcal{D}^{\mathfrak{b}} \mathcal{C} \mathcal{D} \sigma \mathcal{A}^{\mathfrak{b}} \mathcal{D}^{\mathfrak{b}}$	$\mathfrak{b} \mathcal{D}^{\mathfrak{b}} \Delta \Gamma^{\mathfrak{b}} \mathcal{C}^{\mathfrak{b}} \mathcal{C}^{\mathfrak{c}} \sigma \mathcal{A}^{\mathfrak{b}} \mathcal{C}^{\mathfrak{c}}$	$\mathcal{A} \mathcal{P}^{\mathfrak{c}} \Delta \Gamma^{\mathfrak{b}} \mathcal{C}^{\mathfrak{b}} \mathcal{C}^{\mathfrak{c}} \sigma \mathcal{A}^{\mathfrak{b}} \mathcal{C}^{\mathfrak{c}}$
0		

$\triangleleft^b C d^c$
$$\Delta^b C j_c \sim \sigma \Delta^q \sigma^q$$

$\Lambda_{\text{C}} \sim \Delta_{\text{L}} \sim \Delta_{\text{J}}^{\text{C}}$ $\Lambda_{\text{C}} \sim \Delta_{\text{L}} \sim \Delta_{\text{J}}^{\text{C}}$	$\Delta_{\text{C}}^{\text{C}} \sim \Delta_{\text{J}}^{\text{C}}$ $\Delta_{\text{C}}^{\text{C}} \sim \Delta_{\text{J}}^{\text{C}}$	$\Delta_{\text{C}}^{\text{C}} \sim \Delta_{\text{J}}^{\text{C}}$ $\Delta_{\text{C}}^{\text{C}} \sim \Delta_{\text{J}}^{\text{C}}$	$\Delta_{\text{C}}^{\text{C}} \sim \Delta_{\text{J}}^{\text{C}}$ $\Delta_{\text{C}}^{\text{C}} \sim \Delta_{\text{J}}^{\text{C}}$	$\Delta_{\text{C}}^{\text{C}} \sim \Delta_{\text{J}}^{\text{C}}$ $\Delta_{\text{C}}^{\text{C}} \sim \Delta_{\text{J}}^{\text{C}}$
Scientific/International Polar Year Research	$\Delta_{\text{C}}^{\text{C}} \sim \Delta_{\text{J}}^{\text{C}}$	000	As per usual practice of CHARS	As per usual practice of CHARS

$\Delta^{\epsilon} \Gamma_D C_{\delta}^{c_0} \quad \Delta^b D_{f_b} C_D L_{\downarrow}^c$

This is an atmospheric observation project and does not have any bad environmental impact

Additional Information

SECTION A1: Project Info

SECTION A2: Allweather Road

SECTION A3: Winter Road

SECTION B1: Project Info

SECTION B2: Exploration Activity

SECTION B3: Geosciences

SECTION B4: Drilling

SECTION B5: Stripping

SECTION B6: Underground Activity

SECTION B7: Waste Rock

SECTION B8: Stockpiles

SECTION B9: Mine Development

SECTION B10: Geology

SECTION B11: Mine

SECTION B12: Mill

SECTION C1: Pits

SECTION D1: Facility

SECTION D2: Facility Construction

SECTION D3: Facility Operation

SECTION D4: Vessel Use

SECTION E1: Offshore Survey

SECTION E2: Nearshore Survey

SECTION E3: Vessel Use

SECTION F1: Site Cleanup

SECTION G1: Well Authorization

SECTION G2: Onland Exploration

SECTION G3: Offshore Exploration

SECTION G4: Rig

SECTION H1: Vessel Use

SECTION H2: Disposal At Sea

SECTION 11: Municipal Development

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[illegible][illegible]

Miscellaneous Project Information

$\Delta^b CD\sigma^b\Gamma^c \quad \Delta^b) \Delta^c CD\Gamma^c \quad \Delta^b \Delta^c \sigma^b\Gamma^c \quad \Delta^b \Gamma^c \Delta^b CD\sigma^b\Gamma^c$

Cumulative Effects

Impacts

$\mathbf{e} \rightarrow \mathbf{e} \Delta^{\mathfrak{b}} \mathbf{C} \triangleright \sigma^{\mathfrak{b}} \mathbf{r}^{\mathbf{c}} \quad \mathbf{d} \mathfrak{c} \mathbf{N} \Gamma \triangleright \mathbf{C} \dot{\sigma}^{\mathbf{c}} \mathbf{D}^{\mathbf{c}} \quad \mathbf{d}^{\mathbf{b}} \mathbf{D}^{\mathfrak{b}} \mathbf{C} \triangleright \mathbf{r}^{\mathbf{L}} \mathbf{L}^{\mathbf{c}}$

[illegible]
$$(P = \langle \text{b b d a p n r}^a \text{ q}^b \rangle^c, N = \langle \text{b d}^b \text{ r}^c \text{ d} \text{ r}^a \text{ q}^b \rangle^c \langle \text{c d} \text{ r}^c \text{ r}^b \rangle^b \langle \text{d r}^a \text{ q}^b \text{ r}^c \rangle^c, M = \langle \text{b d}^b \text{ r}^c \text{ d} \text{ r}^a \text{ q}^b \rangle^c \langle \text{c d} \text{ r}^c \text{ r}^b \rangle^b \langle \text{d r}^a \text{ q}^b \rangle^c, U = \text{r}^b \text{ d} \text{ r}^c \text{ l}^a \text{ q}^b \text{ r}^c \text{ r}^b)$$

1 point	Canadian High Arctic Research Station (CHARS)
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