ᐅᑭᐅᑕᖅᑐᒥ ᐃᒪᖓ ᐊᒻᒪ ᓯᑯᐃᑦ ᐃᖏᕋᖃᑦᑕᕐᓂᖏᑦ ᐊᒻᒪ ᐊᔾᔨᒌᖏᑦᑑᑕᐅᓂᖏᑦ

ᐊᕐᕌᒍᑕᒫᑦ ᐅᓂᒃᑲᑦ 2019

ᓚᐃᓴᓐᓯ #02 033 19R-M
ᑐᓂᔭᐅᔪᑦ ᐅᕗᖓ D. ᒥᐅᕐᓗ, ᑲᐅᕈᑕᓐ ᓯᓚᑦᑐᓴᕐᕕᒃᔪᐊᖅ
ᖃᐅᔨᓴᖅᑎᐅᖃᑕᐅᔪᑦ: D. ᒥᐅᕐᓗ., D. ᕗᕋᐃᑦᕆᑦ, J. ᐸᓐᓄ, Y. ᐋᓐᑐᕈᐳᕙ, G.ᑯᕋᑯ, A. ᓗᕙᓐ, C. ᐹᑐᓴᓐ, A. ᑐᕆᐊᒻᐱᓕᐊᑦ

ᑲᔪᓯᑦᑎᐊᕐᓂᖃᖅᑐᒥ ᖃᐅᔨᓴᓂᕐᒥᑦ ᐊᕐᕌᒍᖃᓚᐅᖅᑐᒍᑦ ᑕᒪᑐᒪᓂ ᐊᕐᕌᒍᒥ ᐊᒻᒪ ᐃᖅᑲᓇᐃᔭᕐᕕᖃᓪᓗᐊᑕᖅᑐᑕ ᒪᕐᕉᓐᓂᒃ, ᐅᐊᓐᓇᖓᓂ ᐊᐅᓯᐃᑦᑑᑉ ᕿᑭᖅᑖᓗᐊ ᐊᒻᒪ ᐃᐸᐱᐊᕐᔪᒃ ᖃᐅᔨᓴᖅᑐᑎᑦ ᐃᒪᖓᓂ, ᓯᑯᓂᑦ ᐃᖏᕋᓂᖏᓐᓄᑦ ᐊᒻᒪ ᓯᑯᐃᖃᑦᑕᕐᓂᖓ. ᐃᓚᒋᐊᕐᓗᒍ ᐃᖏᖅᑲᓇᐃᔭᖅᑎᖃᓚᐅᖅᑐᒍᑦ ᐅᒥᐊᕐᔪᐊᒥᑦ *CCGS Amundsen* ᐃᖅᑲᓇᐃᔭᖅᑲᖅᑐᑎᑦ ᐊᔾᔨᓕᐅᕆᑦᑕᐅᑎᒋᔭᑦᑐᓂ ᐊᔾᔨᓕᐅᕈᒻᒥ.

ᐊᐅᓯᐃᑦᑑᑉ ᕿᑭᖅᑖᓗᐊ:

ᐱᒋᐊᖅᑐᓂ ᔫᓂ 24 ᑎᑭᑦᑐᒍ ᔪᓚᐃ 1, 2019, ᑎᐅᕆᒃ ᒥᐅᕐᓗ ᐊᒻᒪ ᔪᓕᐊ ᐊᓐᑐᐳᕈᕙ ᐊᐅᓯᐃᑦᑐᒧᓚᐅᖅᑐᑦ ᐊᒻᒪ ᖃᐅᓯᐃᑦᑐᒧᑦ ᐅᖃᐅᓯᖃᕆᐊᑐᖅᑐᑎ ᖃᐅᔨᓴᕐᓂᕆᔭᑦᑎᓐᓂ ᓄᓇᓕᒻᒥᐅᑕᓄᑦ. ᑐᓂᓯᓚᐅᖅᑐᑦ ᐃᖅᑲᓇᐃᔭᕆᔭᑦᑎᓐᓂ ᓯᑯᒥᑦ ᐊᒻᒪ ᐊᐅᔪᐃᑦᑐᒥ ᐊᐅᓯᐃᑦᑑᑉ ᕿᑭᖅᑖᓗᐊᓗᐊᓂ. ᑕᑯᔅᓴᐅᑎᑦᑎᓚᐅᖅᑐᒍᑦ ᐃᒪᕐᒥ ᑕᕆᔭᓕᐊᖑᓯᒪᔪᓂᑦ ᐃᖅᑲᖓ ᐆᒪᔪᕋᓛᓂᑦ (ᑕᓪᓗᕈᓐᓇᐃᑦ, ᐃᖅᑲᒥᐅᑕᐃᑦ ᐃᑏᑦ, ᐊᒻᒪ ᐊᒡᒐᔾᑦ, ᐊᓯᖏᓪᓗ) ᐆᒪᕕᖃᕕᒋᔭᖏᑦ ᐃᓗᐊᓂ ᓯᑯᒥᑦ ᐊᕕᑦᑐᖅᓯᒪᔪᒥᑦ. ᐃᓄᐃᑦ ᐱᔪᒪᓂᖃᓚᐅᖅᑐᑦ ᐃᖅᑲᓇᐃᔾᕆᔭᑦᑎᓐᓂ ᐊᒻᒪ ᐃᑲᔪᖅᓯᓚᐅᖅᑐᑦ ᐸᕐᓇᐅᑎᑦᑎᓐᓂ ᖃᐅᔨᓴᕐᓗᒋᑦ ᑖᒃᑯᐊ ᐆᒪᔪᐃᑦ ᐊᐅᔭᐅᒃᑲᓐᓂᓛᖅᑐᒥᑦ. ᐱᒋᐊᕐᓗᓂ ᔪᓚᐃ 2 ᑎᑭᓪᓗᒍ ᔪᓚᐃ 22, ᓕᐅᕆᒥ ᐸᓄ ᐊᒻᒪ ᑐᕈ ᕗᕋᐃᑦᕆᑦ ᐃᓚᒋᔭᐅᓚᐅᖅᑐᑦ ᐱᓕᕆᐊᖅᑐᑎᑦ ᐃᒪᕐᒥ ᖃᐅᔨᓴᓂᕐᒥᑦ, ᐃᒪᖃᕐᓂᖓ, ᐊᒻᒪ ᐊᐅᔪᐃᑦᑐᒦᖓᖅᑐᑦ ᖃᐅᔨᓴᖅᑕᐅᓂᖏᑦ Milne Fiord–ᒥᑦ. ᐳᑑᕆᓚᐅᖅᑐᒍᑦ 40 ᓯᐊᑕᒦᑕ ᐊᖏᓂᓕᒻᒥ ᐃᒥᕐᒧᑦ ᐆᓇᖅᑐᒧᑦ ᐳᑦᑐᑎᒧᑦ ᐱᓂᐊᖅᑐᒥᑦ ᖃᐅᔨᓴᐅᑏᕗᑦ ᐃᓗᐊᓃᑦᑐᑦ ᐊᑖᒍᑦ ᓴᓂᕋᓂ Milne Ice ᓯᑯᖓᓂᐃᒥᕐᒧᑦ ᐊᐅᑦᑐᓂᑦ ᓄᓇᒦᖓᖅᑐᓂᑦ. ᑖᒃᑯᐊ ᖃᐅᔨᓴᐅᑏᑦ ᖃᐅᔨᓴᖃᑦᑕᖅᓯᒪᔪᑦ ᐃᒪᖓᑕ ᐆᓇᕐᓂᖓ, ᑕᕆᐅᖃᕐᓂᖓ, ᐊᒻᒪ ᐃᖏᕋᓂᖏᑦ ᖃᐅᔨᓴᐅᑏᑦ ᖃᐅᔨᓴᕆᐊᓐᖓᓕᔪᒻᒪᑕᓂᑦ ᐊᐅᔭᖓᓂ 2018. ᖃᐅᔨᓴᐅᑏᑦ ᐋᖅᑭᑕᐅᒃᑲᓐᓂᓚᐅᖅᑐᑦ ᑲᔪᓯᑎᑕᐅᓗᓂ ᖃᐅᔨᓴᖃᑦᑕᕐᓂᐅᔪᖅ ᐊᕐᕌᒍᒃᑲᓂᕐᒧᑦ. ᖃᐅᔨᓴᖅᑏᑦ ᐱᒪᐅᕐᒥᔪᑦ ᖃᐅᔨᓴᐅᑎᓂᑦ ᐋᖅᑭᑦᑕᐅᔪᔪᓂᑦ 2018 ᖃᐅᔨᓴᖅᑐᑎ ᐃᒪᖓᓂ ᐊᒻᒪ ᐃᖅᑲᖓᓃᑦᑐᓂᑦ Milne Fiord ᓯᑯᖓᓂ ᑕᓯᕐᒥ (ᖁᓕᖓ ᐃᒥᑦᑎᐊᕙᒃ ᖄᖓᓃᑦᑐᖅ ᑕᕆᐅᑉ ᐃᒪᖓᓂ), ᐊᒻᒪ ᐋᖅᑭᑕᐅᒃᑲᓂᖅᑐᑎᑦ ᖃᐅᔨᓴᐅᑏᑦ ᐊᕋᒍᒃᑲᓂᕐᒧᑦ. ᖃᐅᔨᓴᕐᕕᒋᔭᐅᔪᖅ ᐃᒪᖓᓂ ᑕᕆᐅᖃᕐᓂᖓᓄᑦ, ᐆᓇᕐᓂᖓᓄᑦ ᐊᒻᒪ ᐃᑎᓂᖓᓄᑦ ᓇᓗᓇᐃᔭᖅᓯᒪᓂᖏᑦ ᐱᓕᕆᐊᖑᓚᐅᖅᑐᖅ ᓯᑯᖓᓂ ᑕᓯᖓᓂ ᖃᐅᔨᓴᐃᓪᓗᑎ ᐃᒪᖓᓂ ᖁᓕᓐᓂᖏᑦ . Milne ᐊᔪᐃᑦᑐᒥᑦ, ᒪᕐᕉᒃ ᓯᓚᓐᓇᕐᕕᒃ ᐋᖅᑭᑦᑕᐅᓚᐅᖅᑐᑦ ᖃᐅᔨᓴᖅᑐᑎ ᖄᖓ ᐊᐅᖃᑦᑕᕐᓂᖓᓄᑦ. ᖃᐅᔨᓴᖅᑏᑦ ᐋᖅᑭᓯᓯᓚᐅᖅᑐᑦ GPS ᓂᐱᓕᐅᕆᔭᑎᒥᑦ ᖃᐅᔨᓴᖅᑐᑎ ᐊᐅᔪᐃᑦᑐᖅ ᐃᖏᕋᓂᖓᓄᑦ,ᖃᐅᔨᓴᕐᓂᐅᔪᑦ ᓇᓗᓇᐃᖅᓯᓚᐅᖅᑐᑦ ᐊᐅᔪᐃᑦᑐᖅ ᐃᔾᔪᓂᖓ ᐊᒻᒪ ᐃᓗᓕᖏᑦ ᐊᑖᓂ ᓂᓚᐅᑉ ᐱᓕᕆᐊᖑᓚᐅᖅᑐᑦ ᖃᐅᔨᓴᖅᑐᑎ ᐃᓂᒋᔭᖓᓂ ᓄᓇᒦᓐᓂᖓ, (ᐊᔪᐃᑦᑐᖅ ᐊᑦᑐᐊᒍᓐᓃᕐᕕᖓ ᐊᒻᒪ ᐳᑦᑕᓕᖅᑐᓂ). ᒪᕐᕉᒃᑲᐅᔨᓴᐅᑏᒃ ᐋᖅᑭᑦᑕᐅᓚᐅᕆᔪᑦ ᐃᖏᕋᔪᓂᑦ. ᓇᓗᓇᐃᔭᖅᓯᒪᓂᖏᓐᓄᑦ ᐊᒻᒪ ᐊᔾᔨᓐᖑᐊᓂᑦ ᑕᑯᕕᒋᒍᒃ: https://wirl.carleton.ca/research/ice/ice-shelves/milne-ice-shelf/and https://wirl.carleton.ca/research/ice/epishelf-lakes/milne-epishelf-lake/

ᐃᑉᐱᐊᕐᔪᒃ:

ᐱᒋᐊᖅᑐᓂ ᒪᐃ 24 – ᔫᓂ 6, 2019, ᒍᓇᐊᕈᒋ ᑯᕋᑯ ᐊᒻᒪ ᐱᔭᕇᖅᓯᓯᒪᔪᖅ ᐃᓕᓐᓂᐊᖅᑎ ᐊᐃᑕ ᓗᕕᐊᓐ ᐊᒻᒪ ᑳᕐᑐ ᐸᑐᓴᓐ ᐃᑉᐱᐊᔪᒻᒦᓚᐅᖅᑐᑦ, ᓄᓇᕗᑦ ᐊᒻᒪ ᐅᓪᓗᓐᓂ ᒪᕐᕉᓐᓂ ᖃᐅᔨᓴᕐᓂᖃᖅᑐᑎᑦ in Admiralty Inlet. ᖃᐅᔨᓴᕐᕕᐅᔪᒥᑦ ᐃᑲᔪᖅᑕᐅᓚᐅᖅᑐᑦ ᒪᕐᕉᓐᓄᒃ ᐊᐅᓪᓚᕈᔾᔨᔾᔨᓐᓄ ᓇᐃᔪ ᑭᒍᑎᒃᑳᕐᔪᒃ ᐊᒻᒪ ᓕᕙᐃ ᑲᓪᓗᖅ ᒪᐃᖑᑎᓪᓗᒍ 27, ᐊᒻᒪ ᓇᐃᔪ ᑭᒍᑎᒃᑳᕐᔪᒃ ᐊᒻᒪ ᒋᑎᐊᓐ ᐊᓗᕈᑦ ᒪᐃ 29. ᖃᐅᔨᓴᖅᑏᑦ ᐊᐅᓪᓚᓚᐅᖅᑐᑦ ᖃᒧᑕᐅᔭᒃᑯᑦ ᐊᒻᒪ ᖃᒧᑎᒃᑯᑦ ᓄᐊᑦᑎᓪᓗᑎ ᓯᓚᖓᓂ ᐊᒻᒪ ᐃᒪᕐᒥ ᖃᐅᔨᓴᓂᕐᒧᑦ ᑐᑭᓯᒋᐊᕈᑎᓂᑦ ᐊᑦᑐᐊᓂᓕᓐᓄᑦ

ᓯᑯᐃᖃᑦᑕᕐᓂᖓᓄᑦ ᐊᒻᒪ ᐋᖅᑭᔅᓯᓗᑎ ᖃᐅᔨᓴᓂᕐᒧᑦ ᖃᐅᔨᓴᐅᑎᓂᑦ ᖃᐅᔨᓴᕐᕕᐅᔪᒥᑦ ᓯᑯᖓᓂ ᐱᖓᓐᓇᖓᓂ ᓱᔭᖅᑕᓕᒃ (ᐊᑯᓐᓂᖏᓐᓂ Strathcona Sound ᐊᒻᒪ Baillarge Bay). 10 ᓯᐊᑕᒦᑕᒥ ᐳᑑᓇᔭᐅᔪᑦ ᐱᔭᐅᓚᐅᖅᑐᑦ ᖃᐅᔨᓴᕐᕕᐅᔪᒥᑦ ᖃᐅᔨᓴᖅᑐᑎ ᓯᑯᖓ ᐆᓇᕐᓂᖓ ᐊᒻᒪ ᑕᓇᐅᖃᕐᓂᖓ, ᐊᒻᒪ ᒪᕐᕉᒃ ᓇᓗᓇᐃᔭᖅᓯᒪᓂᖏᑦ ᐃᒪᖓᓄᑦ ᐆᓇᕐᓂᖓ, ᑕᓇᐅᖃᕐᓂᖓ, ᐃᑎᓂᖓ, ᐊᒻᒪ ᐃᖏᕋᓂᖏᓐᓄᑦ ᐱᔭᐅᓚᐅᖅᑐᑦ ᒪᕐᕉᓐᓂᒃ ᑕᕝᕙᓂᔅᓴᐃᓇᐅᖏᑦᑐᖅ ᐃᒪᖓᓂ ᕿᓂᖅᑐᑎᑦ ᐃᒪᖃᓂ ᐃᓗᓕᖏᓐᓂᑦ ᓯᑰᑉ ᐊᑖᓂ. ᖃᐅᔨᓴᐅᑎᐅᔪᖅ ᐋᖅᑭᑦᑕᐅᔪᖅ ᐱᖃᓯᐅᔾᔨᔪᖅ ᓯᓚᖓᓄᑦ ᖃᐅᔨᓴᐅᑦ ᖃᐅᔨᓴᖃᑦᑕᖅᑐᖅ ᓯᓚᖓᓂ ᐆᓇᕐᓂᖓ, ᐊᓄᓇᓂᖓ ᓱᑲᓐᓂᖓ ᐊᒻᒪ ᓇᑭᓐᖓᕐᓂᖓ, ᐊᒻᒪ ᕿᐅᒃᑲᖓᓇᕐᓂᖓ, ᖃᐅᔨᓴᐅᑦ ᖁᐊᖑᔪᓄᑦ ᓯᑯᒧᖅᑕᐅᓪᓗᓂ ᖃᐅᔨᓴᖅᑐᓂ ᐆᓇᕐᓂᖓ ᓯᑯᓕᒫᖓ, ᐃᒪᕐᒥ ᐃᖏᕋᓂᖏᓐᓄᑦ ᖃᐅᔨᓴᐅᑦ ᖃᐅᔨᓴᖅᑐᑎ ᐃᒪᕐᒥ ᑕᓇᐅᕐᒥᓐ ᐃᖏᕋᓂᐅᔪᑦ ᑎᑭᓯᒪᔪᓂᑦ 20 ᒦᑕᐃᑦ ᓯᑰᑉ ᐊᑖᓂ, ᐊᒻᒪ ᐊᔾᔨᐅᓇᖃᑦᑕᖅᑐᖅ ᓯᕿᓐᖑᔭᒃᑯᑦ ᐋᖅᑭᑦᑕᐅᓚᐅᖅᑐᖅ ᐃᓚᒋᔭᐅᔪᓄᑦ ᑕᓪᓗᕈᑎᐅᑉ ᐃᒪᖓ ᓇᐅᑦᑎᖅᓱᖅᑏᑦ (ᓴᐳᒻᒥᑦᑎᔨᑦ) ᖃᓂᒋᔭᖓᓂ Elwin Inlet ᐱᓇᓱᐊᕈᓯᖅ ᖀᖏᖅᑎᓪᓗᒍ. ᖃᐅᔨᓴᐅᑎᓕᒫᑦ ᐋᖅᑭᑦᑕᐅᔪᑦ ᓯᑯᒧᑦ (ᓯᓚᓐᓂᐊᕈᑏᑦ, ᐆᓇᕐᓂᖏᓐᓄᑦ ᖃᐅᔨᓴᐅᑏᑦ, ᐃᖏᕋᓂᖏᓐᓄᑦ ᓇᓗᓇᐃᔭᐃᔾᔪᑦ) ᒧᐊᑕᐅᓚᐅᖅᑐᑦ ᑐᑭᓯᒋᐊᕈᑎᓂᑦ ᑎᑭᒐᓱᐊᕐᓂᖓᓄᑦ ᔫᓂ 24 ᓄᐊᑕᐅᑎᓪᓗᒋᑦ ᓇᐃᔪ ᑭᒍᑎᒃᑳᕐᔪᒻᒧᑦ. ᐊᔾᔨᓕᐅᕈᑏᑦ ᐊᔾᔨᓕᐅᓇᖃᑦᑕᖅᑐᖅ ᓯᕿᓐᖑᔭᒃᑯᑦ ᑲᔪᓯᓚᐅᖅᑐᖅ ᐊᔾ-ᔨᓕᐅᓇᖃᑦᑕᕐᓂᖓ ᑎᑭᒐᓱᐊᕐᓂᖓᓄᑦ ᓯᕗᓪᓕᖅᐹᖓᓄ ᐱᓇᓱᐊᕈᓯᖓᓄᑦ ᐋᒡᒋᓯ ᐱᔭᐅᒃᑲᓂᕐᒪᑕ ᓴᐳᒻᒥᑦᑎᔨᓄᑦ. ᓇᓗᓇᐃᔭᖅᓯᒪᒃᑲᓂᖅᑐᓄᑦ ᐊᒻᒪ ᑕᕐᓇᔭᓄᑦ ᓯᕿᓐᖑᔭᒃᑯᑦ ᐊᔾᔨᓕᐅᖅᑕᐅᓯᒪᔪᓂᑦ ᑕᑯᒍᒃ: https://wirl.carleton.ca/research/ice/sea-ice/landfast-ice-breakup/

CCGS Amundsen:

ᐊᔾᔨᓕᐅᓇᑦᑕᐅᑎᒋᔭᖅᑐᖅ ᐊᔾᔨᓕᔨᐅᕈᑦ ᓴᓇᓯᒪᓂᖃᓚᐅᖅᑐᖅ ᐊᔾᔨᓕᐅᓇᒍᓐᓇᕐᓗᓂ ᐱᖃᓗᔭᕐᓂᑦ ᖃᓄᐃᓘᖃᑎᖃᖅᑐᓂᑦ ᐃᒪᖓᓂ Hans Island. ᖃᐅᔨᓴᖅᑎᐅᖃᑕᐅᔪᑦ ᐊᑕᒻ ᑐᕋᒻᒪᓕᐊᑦ ᐅᒥᐊᕐᔪᐊᒦᓚᐅᖅᑐᖅ CCGS Amundsen ᐊᔾᔨᓕᐅᕈᑦ Hans Island-ᒧᕈᑎᓪᓗᓂᐅᒃ ᑭᓯᐊᓂᓕ ᐸᕐᓇᑕᐅᓯᒪᔪᑦ ᐊᓯᔾᔨᓚᐅᖅᑐᑦ ᐊᒻᒪ ᐋᖅᑭᑦᑕᐅᓚᐅᖅᑐᖅ ᓯᑯᖓᓄᑦ ᖃᐅᔨᓴᖅᑐᓂ ᖃᓄᐃᓘᖃᑦᑕᐅᓂᖓᓄ ᓯᑯᓄᑦ ᐊᒻᒪ ᐅᒥᐊᕐᔪᐊᒧᑦ. Hans Island-ᑯᑦ ᖃᖓᑕᓲᕐᓂᖃᓚᐅᖅᑐᑦ ᖃᐅᔨᓴᖅᑐᑎ ᓂᕆᐅᓐᖃᖅᑐᑎᑦ ᐅᑎᕐᓂᐊᖅᑐᑎᑦ ᐊᕋᕋᒍᓛᖅᑐᒥᑦ ᐊᔾᔨᓕᐅᕈᑏᑦ ᐋᖅᑭᑦᑕᐅᓗᑎ ᑕᐃᑯᖓ.