ᓄᓇᒥᑦ ᐊᒻᒪᓗ ᓄᓇᕐᔪᐊᖑᔪᓂᒃ ᖃᐅᔨᓇᓱᒃᑐᓕᕆᓃᑦ

ᓄᓇᒥᑦ ᖃᐅᔨᓇᓱᒃᑐᓕᕆᓃᑦ

Jane Stanford Way, Building 320, Stanford, CA 94305 https://earth.stanford.edu/GS

ᑕᖅᖀᓐᓇᕐᔪᐊᖅ (ᔭᓄᐊᕆ) 21, 2026
(ᑑᐅᕐ) Doerr ᐃᓕᓴᕐᕕᒃ ᑲᔪᓯᑎᑦᑎᔪᖕᓇᕐᓂᕐᒧᑦ
450 Jane Stanford Way
Building 320, Rm 118
Stanford CA, 94305

ᐱᔾᔪᑎᖃᖅᑐᖅ: 2026 ᓯᑖᓐᕗᑦ ᓯᓚᑦᑐᖅᓴᕐᕕᒡᔪᐊᖅ ᐱᓕᕆᔪᒪᔪᑦ: ᑯᐊᓐᐅᐊᓕᔅ ᕿᑭᖅᑕᖅ, ᐹᑑᔅ ᕿᑭᖅᑕᖅ (ᖃᐅᓱᐃᑦᑐᖅ ᒥᕐᖑᐃᖅᓯᕐᕕᒃ), ᐊᒻᒪᓗ ᑐᕈᕈ ᕿᑭᖅᑕᖅ

ᐅᕗᖓ Nunavut Impact Review Board,

ᐃᐅᕆᒃ ᓯᐳᓕᖕ, ᐃᓕᓴᐃᔨ ᓯᑖᓐᕗᑦ ᓯᓚᑦᑐᖅᓴᕐᕕᒡᔪᐊᕐᒥᑦ ᑳᓕᕗᐊᓂᐊᒥᑦ, ᐊᑕᐅᓯᖅ ᐅᑭᐅᒥᑦ ᖃᐅᔨᓴᐃᔪᒪᔪᖅ ᐃᓂᐅᔪᓂᑦ ᑯᐊᓐᐅᐊᓕᔅ ᕿᑭᖅᑕᖅ, ᐹᑑᔅ ᕿᑭᖅᑕᖅ, ᐊᒻᒪᓗ ᑐᕈᕈ ᕿᑭᖅᑕᕐᒥᑦ (Truro Island). ᖃᐅᔨᓴᐃᓇᔭᖅᑐᖅ ᕿᑎᐊᓂᑦ ᓴᒡᒐᕉᑦ (ᔪᓚᐃ) ᐱᒋᐊᓵᕐᓂᖓᓄᑦ ᐊᑯᓪᓕᕈᕐᕕᒃ (ᐋᒋᓯ) 2026-ᒥᑦ. ᐱᓕᕆᔪᒪᔪᒍᑦ ᖃᓂᑕᖏᓐᓂᑦ ᕈᐃᑦ ᐃᒪᐅᑉ (Read Bay) ᐱᖓᖕᓇᖓᓂᑦ ᑯᐊᓐᐅᐊᓕᔅ ᕿᑭᖅᑕᖅ (75˚ 0.763’ ᐅᐊᖕᓇᖅ; 93 ˚ 45.606’ ᐱᖏᖕᓇᖅ) ᐊᒻᒪᓗ ᖃᓂᑖᓂᑦ ᑐᐊᐃᓚᐃᑦ ᑰᒐᓛᑉ (Twilight Creek) ᓂᒋᖅᐸᓯᐊᓂᑦ ᐱᖓᖕᓇᖅᐸᓯᐊᓂᑦ ᐹᑑᔅ ᕿᑭᖅᑕᐅᑉ (76 ˚ 10.827’ ᐅᐊᖕᓇᖅ; 99 ˚ 10.766’ ᐱᖓᖕᓇᖅ). ᑐᐊᐃᓚᐃᑦ ᑰᒐᓛᒧᑦ (Twilight Creek) ᓄᓇᓕᓐᓂᖅ ᐊᔪᕈᑉᑕ ᐊᓯᐊᓄᑦ ᐃᓂᐅᔪᒧᐊᕈᒪᔪᒍᑦ ᒥᑦᑕᕐᕕᒃᑕᖃᖅᑐᒧᑦ ᑐᕈᕈ ᕿᑭᖅᑕᒥᑦ (Truro Island) (76 ˚ 18.637’ ᐅᐊᖕᓇᖅ; 97 ˚ 9.229’ ᐱᖓᖕᓇᖅ).

ᕈᐃᑦ ᐃᒪᖓᓂᑦ (Read Bay) ᑕᖕᒫᕐᕕᒃ 8-ᓂᒃ ᐃᓄᖃᕋᔭᖅᑐᖅ 8-10 ᐅᓪᓗᓄᑦ ᖁᓕᒥᒎᓕᒃᑯ ᖃᐅᓱᐃᑦᑐᒥᙶᕐᓗᑎᒃ. ᑐᐊᐃᓚᐃᑦ ᑰᒐᓛᒥᑦ (Twilight Creek) ᑕᖕᒫᕐᕕᒃ ᐊᕐᕕᓂᓕᖕᓂᑦ ᐃᓄᖃᕋᔭᖅᑐᖅ 6-7 ᐅᓪᓗᓄᑦ ᖃᖓᑕᓲᒃᑯᑦ, ᖃᐅᓱᐃᑦᑐᒥᙶᕐᓗᑎᒃᑕᐅᖅ. ᓄᓇᓕᐊᓛᖅ ᒥᑭᔪᓂᒃ ᑐᐱᖃᕐᓂᐊᖅᑐᖅ, ᐊᑕᐅᓯᖅ ᐃᒐᕝᕕᐅᓗᓂ/ᐃᖅᖃᓇᐃᔭᕐᕕᐅᓗᓂ. ᐃᒪᖅᑖᖃᑦᑕᕐᓂᐊᖅᑐᑦ ᖃᓂᑦᑐᒥᑦ ᑰᒐᓛᕐᒥᑦ (25-ᓖᑕᓪᓗᐊᑦ ᖃᐅᑕᒫᒃᑯᑦ). ᐱᓕᕆᕝᕕᒃ ᓴᓗᒻᒪᖅᓴᖅᑕᐅᖃᑦᑕᕐᓂᐊᖅᑐᖅ ᓱᓇᖃᕈᖕᓃᕐᓗᒍ ᓄᓇᓕᐊᓛᖅᑕᖃᕈᖕᓃᖅᐸᑦ. ᖃᐅᔨᓴᐃᔨᕗᑦ ᐱᓕᕆᓚᐅᖅᓯᒪᔪᑦ ᖃᐅᓱᐃᑦᑐᖅ ᒥᕐᖑᐃᖅᓯᕐᕕᖕᒥᑦ 2023-ᒥᑦ ᐊᒻᒪᓗ ᐊᔾᔨᙳᐊᓂᒃ ᑕᐅᕙᙶᖅᑐᓂᑦ ᑐᓂᓯᔪᓐᓇᖅᑐᑦ ᐊᐅᓪᓚᕋᑉᑕ.

ᖃᐅᔨᓴᐃᔨᕗᑦ ᑲᒪᒋᔭᐅᔪᖅ ᐃᐅᕆᒃ ᓯᐳᓕᖕ-ᒧᑦ ᐊᒥᓱᓂᒃ ᖃᐅᔨᓴᐃᔨᖃᐅᖅᑐᖅ ᒥᐊᓕᑲᒥᙶᖅᑐᓂᑦ, ᑲᓇᑕᒥᑦ, ᐊᒻᒪᓗ ᓄᓇᕐᔪᐊᕐᒥᑦ. ᐃᓚᐅᔪᑦ ᐃᓕᓴᖅᑏᑦ ᓯᑖᓐᕗᑦᒥᑦ (ᐃᒪᓕ ᐃᓕᐊᕝᓴᓐ (Emily Ellefson), ᓕᐊ ᑲᓐ (Leah Kahn), ᓯᐅᕋ ᓚᐃᐳᕕᑦᔅ (Sarah Leibovitz)), ᐃᓕᓴᐃᔩᑦ ᐊᒻᒪᓗ ᐃᓕᓴᖅᑏᑦ ᔨᐅᓪ ᓯᓚᑦᑐᖅᓴᕐᕕᒡᔪᐊᒥᑦ (ᓕᑎᐊ ᑕᕐᕼᐊᓐ (Lidya Tarhan), ᓯᑦᓂ ᕈᐊᒧ (Sydney Riemer), ᑕᐃᕕᑦ ᕼᐊᕝᓚᑦ (David Havlat)), ᐊᒻᒪᓗ ᐃᓕᓴᐃᔩᑦ ᓯᓚᑦᑐᖅᓴᕐᕕᒡᔪᐊᖅ ᐋᑐᕚᒥᑦ (ᒥᐅᓪᑲᒻ ᕼᐊᑦᔅᑭᔅ (Malcolm Hodgskiss)) ᐊᒻᒪᓗ ᐃᒻᐱᐅᕆᐅᓪ ᓯᓚᑦᑐᖅᓴᕐᕕᒃ ᓚᓐᑕᓐ (ᒫᑎᓐ ᐳᕋᔫ (Martin Brazeau)). ᐱᓕᕆᖃᑎᒋᖕᒥᔭᕗᑦ ᐱᓕᕆᐊᕐᒥᑦ ᑮᑦ ᑎᐅᕕᖕ (Keith Dewing) ᐊᒻᒪᓗ ᓲᕕ ᒍᕕ (Sofie Gouwy), ᖃᐅᔨᓴᐃᔨᐅᔪᑦ ᑲᓇᑕᒥᑦ ᒐᕙᒪᑐᖃᒃᑯᓐᓂᑦ ᑲᓇᑕᒥᑦ ᓄᓇᓕᕆᔨᒃᑯᓐᓂᑦ. ᓲᕕ ᒍᕕ (Sofie Gouwy)
ᐅᕙᑦᑎᓐᓂᑦ ᐃᓚᐅᑕᐃᓐᓇᕆᐊᖃᖅᑐᖅ ᐱᓕᕆᕝᕕᒋᔭᑦᑎᓐᓂᑦ. ᐃᑲᔪᖅᑕᐅᔪᒪᔪᒍᑦ ᓂᕐᔪᑎᓂᒃ ᖃᐅᔨᒪᓂᖃᖅᑐᓂᒃ ᖃᐅᓱᐃᑦᑐᒥᑦ ᐊᑦᑕᕐᓇᖅᑐᒦᓐᓂᐊᖏᓪᓗᑕ ᐊᒻᒪᓗ ᐅᖃᐅᔾᔨᖃᑦᑕᕐᓗᑎᒃ ᓂᕐᔪᑏᑦ ᒥᒃᓵᓄᑦ ᑕᐅᕙᓃᑦᑐᓂᑦ.

ᐱᓕᕆᓂᓗᐊᖑᓂᐊᖅᑐᑦ ᐅᖃᐅᓯᕆᔪᓐᓇᕐᓂᐊᕐᓗᒋᑦ ᐅᔭᕋᐃᑦ ᖃᓕᕇᖓᔪᑦ ᐊᒻᒪᓗ ᐆᒃᑐᕋᕈᑎᓂᒃ ᐱᓗᑕ ᓄᓇᒥᑦ ᖃᓂᑖᓃᑦᑐᓂᑦ ᑐᖕᒫᕐᕕᑉᑎᖕᓄᑦ. ᐆᒃᑐᕋᕈᑏᑦ (~100 ᒍᕌᒻ-ᖑᔪᑦ, ᒪᓐᓂᒃᑎᑐᑦ ᐊᖏᑎᒋᔪᓂᑦ) ᐱᔭᐅᓇᔭᖅᑐᑦ ᓄᓇᒥᑦ ᐊᑕᐅᓯᖅ ᒦᑕᐃᑦ ᑎᑭᐅᑎᓂᑕᒫᑦ. ᐆᒃᑐᕋᐃᔾᔪᑏᑦ ᑲᑎᑕᐅᖃᑦᑕᖅᑐᑦ ᐊᒡᒐᒧᑦ, ᑲᐅᑕᐅᔭᕐᒧᑦ ᐅᕝᕙᓘᓐᓃᑦ ᐳᐊᕆᑎᒧᑦ. ᑲᑎᓪᓗᒋᑦ 300-400 ᐆᒃᑐᕋᕈᑕᐅᓂᐊᖅᑐᓂᒃ ᐱᔭᐅᖃᑦᑕᕋᔭᖅᑐᑦ ᐊᑐᓂ ᑕᖕᒫᕐᕕᖕᓂᑦ. ᐱᑕᖃᕈᖕᓃᖅᑐᑦ ᓴᐅᓂᖃᙱᑦᑐᑦ ᐆᒪᔫᓚᐅᖅᓯᒪᔪᓂᑦ ᐊᒻᒪᓗ ᐆᒪᔪᕕᓂᐅᓚᐅᖅᓯᒪᔪᓂᑦ

ᓄᓇᒥᑦ ᖃᐅᔨᓇᓱᒃᑐᓕᕆᓃᑦ

Jane Stanford Way, Building 320, Stanford, CA 94305 https://earth.stanford.edu/GS

ᑕᐃᒪᑕᖃᖃᑦᑕᖅᑐᑦ ᐅᔭᖅᖃᓂᑦ ᐊᒻᒪᓗ ᐆᒃᑐᕋᕈᑕᐅᓇᔭᖅᑐᑦ ᖃᓄᐃᓐᓂᖅᓴᐅᓂᖏᓐᓅᕐᓂᐊᕐᓗᒋᑦ ᐊᓯᖏᓐᓂᑦ ᓄᓇᐅᔪᓂᑦ ᐃᓂᐅᔪᒥᑦ ᐊᒻᒪᓗ ᓄᓇᕐᔪᐊᕐᒥᑦ. ᐆᒃᑐᕋᐅᑕᐅᔪᑦ ᐅᑎᖅᑎᑕᐅᓂᐊᖅᑐᑦ ᓯᓚᑦᑐᖅᓴᕐᕕᒡᔪᐊᕐᒧᑦ ᐱᓕᕆᐊᖑᓂᐊᕐᓗᑎᒃ ᑐᑭᓯᓂᐊᕐᓗᒋᑦ ᐅᔭᖅᖃᐃᑦ ᖃᓄᐃᓕᐅᕐᓂᖏᑦ, ᐱᕈᖅᑐᐃᑦ (ᐃᓚᐅᓗᑎᒃ ᖃᖓᓂᑕᐃᑦ ᐊᒻᒪᓗ ᐱᕈᖅᑐᓄᑦ ᐃᓚᒋᔭᐅᔪᑦ), ᐊᒻᒪᓗ ᖃᖓᓂᑕᕐᓂᑦ ᒫᓕᑰᓪ-ᖑᔪᑦ (molecules).

ᐱᔾᔪᑎᒋᔭᖓ ᖃᐅᔨᓴᐃᓂᐅᑉ ᕿᒥᕐᕈᓂᐊᕐᓗᒋᑦ ᐊᓯᐊᙳᕐᓂᐅᔪᑦ ᐅᔭᖅᖃᓂᑦ ᐱᔾᔪᑎᖃᖅᑐᑦ ᖁᑦᑎᒃᓂᖓᑕ ᓄᓇᒥᑦ ᐱᕈᖅᑐᐃᑦ, ᐱᒋᐊᓚᐅᖅᑐᑦ ᐅᔭᖅᖃᐃᑦ ᑕᐃᑯᙵᕐᒪᑕ. ᓯᐊᒻᒪᒃᓯᒪᓂᖏᑦ ᐱᕈᖅᑐᐃᑦ ᐊᓯᐊᙳᖅᑐᕆᔭᐅᓯᒪᔪᑦ ᓴᕕᕋᔭᖏᑦ, ᐆᒪᓂᖃᖅᑐᑦ ᒥᑭᔫᑏᑦ,

ᐊᓯᖏᓪᓗ ᐃᓚᒋᔭᐅᔪᑦ ᐃᑉᔪᐃᑦ ᓱᕋᒃᑕᐅᓚᐅᖅᑐᑦ ᓯᓚᒧᑦ. ᐊᓯᐊᙳᕐᓂᐅᔪᑦ ᐅᔭᖅᖃᓃᓐᓇᔭᖅᑐᑦ ᑲᑎᑦᑐᒪᔭᑉᑎᖕᓂᑦ. ᐱᓕᕆᐊᖅ ᐃᑲᔪᕐᓂᐊᖅᑐᖅ ᑐᑭᓯᐊᓂᕐᒥᒃ ᖃᓄᖅ ᓄᓇᕐᔪᐊᑉ ᓯᓚᖓ ᐊᒻᒪᓗ ᐅᑎᖅᑕᕐᓂᖏᑦ ᐊᓯᐊᙳᖅᓯᒪᖕᒪᖔᑕ 415 ᒥᓕᔭᓐ ᐅᑭᐅᑦ ᐊᓂᒍᖅᑐᓂᐅᖓᓂᑦ.

ᑭᖑᓪᓕᕐᒥᑦ ᐱᓕᕆᓂᕆᓂᐊᖅᑕᕗᑦ ᑐᒃᓯᕋᐅᓯᐅᕐᓗᑕ ᓄᓇᕗᒻᒥᑦ ᖃᐅᔨᓇᓱᒃᑐᓕᕆᓂᕐᒧᑦ ᓚᐃᓴᓐᓯᒥᑦ ᐊᒻᒪᓗ ᑕᐃᑉᓱᒪᓂᑐᖃᖅ

ᐆᒪᕙᓚᐅᖅᓯᒪᔪᓂᒃ ᑲᑎᑦᑎᓂᐊᕐᓗᑕ ᐱᔪᖕᓇᖅᑎᑦᑎᔾᔪᑎᒥᑦ ᐳᒥᑦᒥᑦ, ᐊᒻᒪᓗ ᑐᒃᓯᕋᐅᓯᐅᕐᓗᑕ ᖃᐅᔨᓴᐃᓂᕐᒧᑦ ᐱᔪᖕᓇᖅᑎᑦᑎᔾᔪᑎᒥᑦ

ᐳᒥᑦᒥᑦ ᑲᓇᑕᒥᑦ ᒥᕐᖑᐃᖅᓯᕐᕕᓕᕆᔨᒃᑯᓐᓂᑦ ᓄᓇᕗᒻᒥᑦ ᐱᓕᕆᓂᐊᕐᓗᑕ ᖃᐅᓱᐃᑦᑐᖅ ᒥᕐᖑᐃᓯᕐᕕᖕᒥᑦ. ᑲᓇᑕᒥᑦ ᓄᓇᒥᑦ ᖃᐅᔨᓴᐃᔨᒃᑯᑦ ᐃᓕᖕᓂᒃ ᖃᐅᔨᑎᑦᑎᓂᐊᖅᑐᑦ ᐊᑉᓯᒪᔪᒃᑯᑦ ᐱᓕᕆᐊᕐᒥᑦ ᐃᖅᖃᓇᐃᔭᖅᑎᖏᑦ ᐃᓚᐅᖃᑕᐅᓂᖏᓐᓄᑦ.

ᓂᕆᐅᒃᑐᒍᑦ ᑐᓴᕐᕕᒋᓂᐊᕐᓗᓯ ᖃᓄᑐᐃᓐᓇᖅ ᐅᖃᐅᔾᔨᓂᑉᓯᖕᓄᑦ ᐅᕝᕙᓘᓐᓃᑦ ᐃᓱᒫᓘᑕᐅᔪᓂᒃ ᐱᖃᕈᕕᑦ ᖃᓄᐃᓕᐅᕈᑕᐅᔪᒪᔪᓄᑦ ᐊᒻᒪᓗ ᕿᒥᕐᕈᓗᑕ ᑳᓐᑐᕌᒃᑎᑦᑎᓂᕐᓄᑦ ᖃᐅᓱᐃᑦᑐᒥᑦ ᓂᕐᔪᑎᒥᒃ ᖃᐅᔨᒪᓂᖃᖅᑐᒥᒃ. ᐊᐱᖅᖁᑎᒃᓴᖃᕈᕕᑦ ᐱᓕᕆᐊᑉ ᒥᒃᓵᓄᑦ, ᖃᐅᔨᑎᑕᐅᔪᓐᓇᖅᑐᖓ ᖃᕆᓴᐅᔭᒃᑯᑦ ᑎᑎᖅᖃᑎᒍᑦ ᐅᕗᖓ esper@stanford.edu

ᑎᑎᕋᖅᑐᖅ,

ᐃᐅᕆᒃ ᓯᐴᓕᖕ (Erik Sperling)
ᐃᓚᒋᔭᐅᔪᖅ ᐃᓕᓴᐃᔨ, ᓄᓇᒥᑦ ᐊᒻᒪᓗ ᓄᓇᕐᔪᐊᖑᔪᓂᒃ ᖃᐅᔨᓇᓱᒃᑐᓕᕆᓃᑦ

ᓯᑖᓐᕗᑦ ᓯᓚᑦᑐᖅᓴᕐᕕᒡᔪᐊᕐᒥᑦ, (Stanford University)