ᐃᓗᓕᑐᓗᐊᖏᒋ ᓂᖅᓴᒥ ᓇᓗᓇᐃᔭᐅᑎᖃᐅᔨᓴᕈᒪᓂᖅ ᒧᑦ ᑐᐱᖅᓱᒻᒪ ᒧᑦ

ᓇᑦ ᑎᓐ ᓇᐃᑦ ᑲᓇᑕᐅᑉ ᐅᑭᐅᖅᑕᖅᑐᖕᒐᑦ ᑲᓇᖕᓇᖕᒐᒥ

ᐋᓇᑯᕋᕗᑦ [1], ᑎᐅᕆᒃ ᒥᐅᓗ[1], ᐱᑕ ᕙᑦ ᕼᐊᒻᔅ [2], ᑭᑦ ᓂᑯᔅ [3], ᕆᑦᓱᑦ ᐸᐃᑦᔅ [4], ᐊᓗᓐ ᓱᑑᓐ [5]

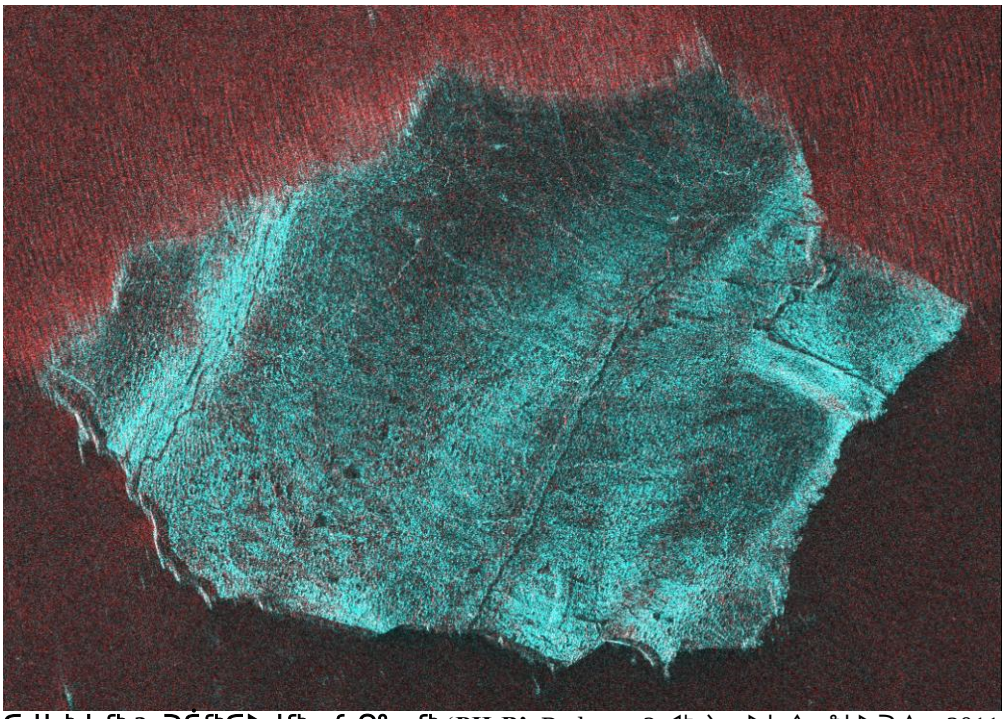
[1]ᓄᓇᖑᐊᓕᕆᔨᒃ ᑯᑦ ᐱᓕᕆᕕᖕᒐᑲᕈᑕᓐ ᐃᓕᓐ ᓂᐊᕐ ᕕᒡ ᔪᐊᖕᒐᐊᑐᕙᒍ, ᐊᓐ ᑎᐅᕆᔪ
[2]ᐃᓕᓐ ᓂᐊᕐ ᕕᒡ ᔪᐊᖕᒐᑦ ᓂᑲᒻ >ᕆᔾ , ᑲᒻ >ᕆᔾ , ᑯᐃᓐ ᓄᓇᕐᑯᑎᖕᒐᓐ ᓂᐃᖕᒐᓐᒥ
[3]>ᕆᑎᔅ ᓄᓇᕐ ᔪᐊᑦ ᐊᑖᓂᐅᑭᐅᖅᑕᖅᑐᓕᕆᓂᕐ ᒧᑦ ᖃᐅᔨᓴᕐ ᓂᖅ, ᑲᒻ >ᕆᔾ , ᑯᐃᓐ ᓄᓇᕐᑯᑎᖕᒐᓂᐃᖕᒐᓐᒥ
[4]ᐃᓕᓐ ᓂᐊᕐ ᕕᒡ ᔪᐊᖕᒐᑦ ᓂᓴᐃᓐᑦ ᐊᓄᓘᔪ, ᓴᐃᓐᑦ ᐊᓄᓘᔪ, ᐃᖕᒐᓐᒥ
[5]ᓂᐅᔪᐊᒃ ᐃᓕᓐ ᓂᐊᕐ ᕕᒡ ᔪᐊᖕᒐᑦ ᓂ, ᓂᐅᔪᐊᒃ , ᓂᐅᔪᐊᒃ , ᐊᒥᐊᓕᑲᐃᑦ ᓄᓇᖕᒐᑦ ᓂ

ᑖᓐᓇ ᖃᐅᔨᓴᕐ ᓂᐅᔪᖅ ᑲᑎᑦ ᑎᖕᒪᑦ ᓄᓇᕐ ᔪᐊᕐᒥ ᑭᑦ ᓕᓯᓂᐊᖅᑎᒻ ᒪᑎᐅᔪᓂ ᖃᐅᔨᒪᒋᐊᖕᒋ ᓇᕐᓂᒃ ᓗᒋᑦ ᖃᐅᔨᓴᕐ ᓂᕆᔭᖕᒐᓂ ᓵᕕᓐᓂᑯᔪᒥ ᐃᖕᒋᓐ ᕋᔪᑦᒥ, ᓱᕋᑦ ᑎᕙᑦ ᓕᐊᓂᕆᔭᖕᒐᓂ ᐊᒻ ᒪᓗ ᖃᓄᐃᑦ ᑑᓕᕐ ᒪᖔᑦ ᐱᔭᖅᐸᑦ ᓕᐊᑎᒋᖕᒪᖔᑦ ᓗ ᓇᑦ ᑎᓐ ᓈᓗᐃᑦ (ᐊᖕᒋᕙᐊᓗᐃᑦ ᐱᖃᓗᔭᕐ ᔪᐊᕋᓗᐃᑦ ᐆᕐ ᓂᑯᑦ ᐊᐅᔪᐃᑦ ᑐᕐ ᔪᐊᖕᒐᔪᓂᑦ) ᑲᓇᑕᐅᑉ ᐅᑭᐅᖅᑕᖅᑐᖕᒐᓂ. ᑎᓴᒪᑦ ᑕᐃᒪᐃᑦ ᑐᑦ ᓇᑦ ᑎᓐ ᓇᐃᑦ ᖃᐅᔨᒪᔭᐅᒋᐊᕋᓱᓚᐅᕐᒪᑕ ᔪᓚᐃ ᑕᖅᑭᖕᒐᓂᑦ ᐅᑐᐱᕆᒧᑦ 2011 ᐃᓗᐊᓂ ᑕᕝᕙᖕᒐᓗ ᖃᐅᔨᓴᕆᐊᒃ ᑲᓐᓂᒋᒪᑦᓗᑎᒃ 2012 ᐃᓗᐊᓂ ᑭᖑᓂᐊᒍᑦᓗ. ᓇᑦ ᑎᓐ ᓇᐃᑦ ᐱᖃᓗᔭᕐ ᔪᐊᖕᒋᓗᑎᒃ ᕿᑭᖅᑕᖅᑎᑑᖕᒐᔪᑦ ᐊᖕᒋᕙᐊᓗᑦᓗᑎᒃ (1 km² ᐱᒋᐊᖅᑐᒍ ᑎᑭᑦᓗᒍ 250 km²) ᐅᒥᐊᕐ ᔪᐊᓄᑦ ᐅᓯᑲᖅᑕᖅᑎᐅᔪᓄᑦ ᐅᓗᕆᐊᒋᔭᐅᔪᑦ ᑕᒪᒃ ᑯᓄᖕᒐᓗ ᓄᓇᒥᖕᒐᖅᑐᓂ ᐱᓇᓱᐊᖅᑎᐅᔪᓄᑦ ᐱᕙᑦᓕᐊᑎᑦ ᑎᓇᓱᒃ ᑎᐅᔪᓄᑦᓗ ᑲᓇᑕᐅᑉ ᐅᑭᐅᖅᑕᖅᑐᖕᒐᓂ ᐊᒻ ᒪᓗ ᑕᐅᓇᓂ ᓄᓇᕐ ᔪᐊᑉ ᐊᑎᖕᒐᖕᒐᓂ ᐅᑭᐅᖅᑕᖅᑐᖕᒐᓂ. ᖃᐅᔨᓴᕐ ᓂᒃ ᑯᑦ ᑐᑭᓯᒃ ᑲᓐᓂᒋᒪᖕᒪᑕ ᐃᖕᒋᓐ ᕋᕙᑦᓕᐊᓂᖕᒐᓗ ᓇᒧᖕᒐᖅᐸᑦᓕᐊᓱᖕᒐᒪᖕᒐᖔ ᓱᕋᑦ ᑎᕙᑦᓕᐊᑎᒋᓂᖕᒋᓐ. ᓇᓚᐅᑦ ᑎᑦ ᑎᐊᕈᓐᓇᕐ ᓂᖅᓴᐅᔪᓐᓇᕈᑕᐅᓂᐊᕐ ᒪᑦ ᖃᓄᑎᒋ ᐊᒃ ᑎᒋᔪᓂ ᑭᓯᑯᑦ ᑎᐊᓂᓗ ᒥᒃᓴᐅᓴᒍᓐᓇᓕᖅᑯᓂ ᐅᓗᕆᐊᓇᕈᑎᖕᒋᓂᓗ ᖃᐅᔨᒪᓂᖅᓴᐅᓕᕈᓐᓇᕐᑯᓂᑕ.

ᑲᓚᓕᑦ (ᐊᑯᑭᑦᑐᑦ) ᓄᓇᖕᒐᖔ ᑲᓇᑕᐅᑉ ᒥᒃᓯᖕᒐᖕᒐᖕᒐᖅᑐᒃᒍᑎᐅᕙᖕᒪᑕ ᓇᑦ ᑎᓇᕐ ᔪᐊᓄᑦ ᐱᖃᓗᔭᕐ ᓄᑦ ᐊᖅᑯᓴᕐ ᕕᐅᓂᖅᐹᖕᒐᓱᖕᒐᖕᒪᑦ ᑲᓇᑕᐅᑉ ᑲᓇᖕᓇᓕᒫᖕᒐᓄᑦ ᐃᒪᕐᑎᖕᒐᒍᑦᓗ. ᐱᑕᒪᓐ ᓇᑦ ᑎᓇᖕᒋᓐ ᖃᐅᔨᓴᖅᑕᐅᓚᐅᖅᑐᑦ ᔪᓚᐃ 2011ᒥ ᐊᒻ ᒪᓗ 2012 ᑕᐃᑲᖕᒐᖔ ᓂᑯᖕᒪᑕ (ᐱᑕᒪᓐ ᐊᐅᔪᐃᑦ ᑐᕐ ᔪᐊᖕᒐᖔᐊᑯᑭᑦᑐᓂ), ᐊᓯᖕᒋᓐ ᓂᖕᒐᖅᑐᑦ ᐱᖃᓗᔭᐃᑦ ᐱᖃᓗᔭᕐ ᔪᐊᑦ ᓗ ᖃᐅᔨᓴᖅᑕᐅᓛᖅᑐᒃ ᓴᐅᖕᒥᔪᑦ . ᑖᓐᓇ ᐋᓇᐊᕐ ᖕᒐᐅᖅᑐᖅ ᐱᑕᒪᓐ ᓇᑦ ᑎᓇᖕᒐᓂ ᒫᓐᓇᑲᖕᒋᖕᑐᒐᐱᐅᑉ ᖃᓂᒋᔭᖕᒐᓂ ᐃᑲᕐ ᓇᓗᒪᔪᖅ ᐊᒻ ᒪᓗ 2012ᒥ (ᔪᓚᐃ 25 - ᐊᒃ ᑏᓯ 1ᒧᑦ). ᖃᐅᔨᓴᖅᑎᑦ ᐅᒥᐊᕐ ᔪᐊᕐᒥ ᑎᓕᓯᓯᒪᓂᐊᖅᑐᑦ ᖁᒥᒍᓕᖕᓂᓗ ᐊᑐᕐᒪᒃ ᑕᕐ ᓗᑎᒃ ᑕᕝᕙᖕᒐ ᐅᒥᐊᕐ ᔪᐊᕐᒥᑦ ᖃᐅᔨᓴᕆᐊᕐᒪᒃ ᑕᕐ ᓂᐊᕐ ᓗᑎᒃ .

ᖃᐅᔨᓴᕈᑕᐅᔪᓕᒫᑦ ᐱᖃᓗᔭᖕᒥ ᓱᕐᕋᒃ ᑎᑦ ᓯᑕᐃᓕᒪᓇᓱᐊᑦ ᑎᐊᕐ ᓂᐊᖅᐳᑦ ᐊᕙᑎᓕᒫᖕᒐᖔᓗ. ᖃᓄᐃᓕᖕᒐᖔᓇᓕᖅᑕᖅᒐᖔᓗ ᖃᐅᔨᒪᓇᓱᐊᕐ ᓂᖕᒐᓂᑦ ᓴᓂᕐᒍᑦ ᐆᒃ ᑐᐃᓱᒥ ᐊᑐᕐᒪᑦ ᑕᕐ ᓂᐊᖅᐳᒍᑦ ᕿᒥᕐᕈᔾᔪᑎᒥ ᐊᑭᐅᖅᑕᕐ ᓂᕋᖅᑕᐅᓱᓂ ᐃᖅᑲᖅᓯᐅᕈᑎᓂᖔᓗ. ᒪᓕᖔᓐᓂᓗ ᐊᒃ ᑐᖅᑕᐅᕙᓕᐊᓂᖕᒐᓂᑦ ᐊᐅᓚᓂᖕᒐᓗ ᖃᐅᔨᓴᖅᑕᐅᖅᑐᖕᒐᓂᑦ ᐱᖃᓗᔭᖕᒥ ᖃᓄᑎᒋ ᐊᒃ ᑐᖅᑕᖅᑕᐅᓂᖕᒐᓗ ᓯᕋᒃ ᐸᓕᐊᔾ ᔪᑕᐅᖕᒪᖕᒐᖔ ᐋᔭᖅᐸᑦᓕᐊᑎᑦ ᑎᔾ ᔪᑕᐅᖕᒪᖕᒐᖔᓐᓂᓐᓃᑦ ᐊᒻ ᒪᓗ ᐅᕕᖅᐸᑦᓕᐊᖕᒪᖕᒐᖔ ᐅᒃ ᑐᐃᖅᑕᖅᑕᐅᓂᖕᒐᓗ ᐅᒥᐊᕐ ᒥᓗ ᐳᑦᓕᖕᒥ ᒪᓕᒃ ᓯᐅᒻᒥ ᐊᑐᖅᑕᖅᑕᖅᑕᐅᓂᖕᒐᓗ . ᓂᖔ ᓕᓇᕐ ᓂᖅᓯᐅᖅᑕᐅᖅᑕᖅᑕᖅᑕᐅᓂᖕᒐᓗ ᐱᖃᓗᔭᒃ ᐊᒻ ᒪ ᐃᒪᖅᑕᐃᒫᒃ ᑕᐅᖅ ᖃᐅᔨᓴᖅᑕᐅᖅᑕᖅᑕᖅᑕᐅᓂᖕᒐᓗ. ᑕᓇᐅᖕᒐᓂᖕᒐᐃᒪᐅᑉ ᓗ ᓂᖔ ᓕᓇᕐ ᓂᖕᒐᖔ ᑕᐅᖅ ᖃᐅᔨᒋᐊᖅᑕᐅᖅᑕᖅᑕᖅᑕᐅᓂᖕᒐᓗ ᑕᕐ ᓂᐊᓇᑦᓗᓂ ᖃᓄᑎᒋ ᐊᐅᒃ ᐸᑦᓕᐊᑎᒋᖕᒪᖕᒐᖔᓗ ᓱᕐᕋᖅᐸᑦᓕᐊᖕᒪᖕᒐᖔᓐᓂᓐᓃᑦ ᓇᒧᖕᒐᖅᐸᑦᓕᐊᓂᖕᒐᖔ ᒪᓕᖔᓗᒍ. ᐆᓇᐅᒃ ᑐᒥ ᐃᑰᑕᕈᑎᒥ ᓂᐅᖅᑐᐃᖅᑕᖅᑕᖅᑕᐅᓂᖕᒐᓗ ᓯᑰᐸ ᐊᑖ ᐃᒪᖅ ᖃᐅᔨᓴᖅᑕᐅᔪᓐᓇᕐᑯᓂᑦᓗᒍ. ᐃᒪᐅᑦᓕ ᖃᖕᒐᖔ ᖃᐅᔨᓴᖅᑕᐅᖅᑕᖅᑕᖅᑕᐅᓂᖕᒐᓗ ᑕᕐ ᓂᐊᓇᑦᓗᓂ. ᖃᓄᑎᒋ ᐊᐅᒃ ᐸᑦᓕᐊᑎᒋᖕᒪᖕᒐᖔᓗ ᓱᕐᕋᖅᐸᑦᓕᐊᖕᒪᖕᒐᖔᓐᓂᓐᓃᑦ ᓇᒧᖕᒐᖅᐸᑦᓕᐊᓂᖕᒐᖔ ᒪᓕᖔ ᓗᒍ. ᐆᓇᐅᒃ ᑐᒥ ᐃᑰᑕᕈᑎᒥ ᓂᐅᖅᑐᐃᖅᑕᖅᑕᖅᑕᐅᓂᖕᒐᓗ ᓯᑰᐸ ᐊᑖ ᐃᒪᖅ ᖃᐅᔨᓴᖅᑕᐅᔪᓐᓇᕐᑯᓂᑦᓗᒍ. ᐃᒪᐅᑦᓕ ᖃᖕᒐᖔ ᖃᐅᔨᓴᖅᑕᐅᖅᑕᖅᑕᖅᑕᐅᓂᖕᒐᓗ ᑕᕐ ᓂᐊᓇᑦᓗᓂ

ᑕᑯᔭᒃ ᓴᖅ 1: ᑐᑭᓕᐅᕈᑎ ᐱᑕᒪᓐ ᐊᐅᔪᐃᑦ ᑐᖕᒐᖕᒋᒃ ᓂᑯ ᓇᑦ ᑎᓐ ᓇᖅ (PII) ᐲᕐ ᓂᑯ. ᐊᔾ ᔨᓕᐅᖅᑕᐅᖕᒪᑦ (‘PII-Ba’) ᑖᓐ ᓇᐊᖕᒥᕐᑲᓚᐅᖅᑐᖅ ᑕᒫᓂᕈᔪᒃ 11.5 km^2 (6.0 km x 2.0 km) ᑕᑦ ᓗᕈᑎᑦ ᓗ ᐃᒪᖕᒐᑎᑦ ᓗᒍ ᐊᔾ ᔨᓕᐅᖅᑕᐅᑦ ᓗᓂ.



ᑕᑯᔭᒃ ᓴᖅ 2: ᑐᕋᖅᑕᐅᔪᖅ ᓇᑦ ᑎᓐ ᓇᖅ ‘PII-B’. Radarsat-2 ᐊᔾ ᔨᓕᐅᒐᕕᓂᖕᒐᐅᑐᐱᕆ 2011. ᐊᔾ ᔨᓕᐅᖅᑕᐅᒐᒥ, ᐊᖕᒥᕐᑲᓗᓚᐅᖅᑐᖅ 60.9 km^2 (11.5 km x 7.9 km). ᐃᓚᖕᒫᑎᖅᓱ ᒪᓕᖅᑐᖅ ᑕᐃᒪᖕᒐᒥ ᐊᖕᒥᕐᑲᓗᐊᓕᖅᐳᕐ ᓗ 40.0 km^2 (9.5 km x 5.1 km). ᒫᓐ ᓇᑖᓐ ᓇᕐᑭᑲᖅᑐᖅ ᕐᑭᑭᖅᑖᓗᑉ ᐃᑭᖕᒐᒥ (ᕐᑲᖕᒥᖅᓱᒫᐃᐅᑉ ᕐᑲᓂᑎᔭᖕᒐᒥ).