

Captions for IMBIE study

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1_creditHamishPritchard

Summer clouds swirl in around the Staccato Peaks of Alexander Island, Antarctic Peninsula. High snowfall and strong weather gradients in this mountainous area make assessment of glacier mass balance particularly challenging. (Credit: Hamish Pritchard, BAS)

2_creditHamishPritchard

A British Antarctic Survey two-man field camp next to The Obelisk on Alexander Island, Antarctic Peninsula. (Credit: Hamish Pritchard, BAS)

3_creditHamishPritchard

The late summer sun sets over mountains and icebergs around Adelaide Island, Antarctic Peninsula, as twenty-four hour daylight gives way to the long polar night of winter. (Credit: Hamish Pritchard, BAS)

4_creditMikeBrian

Hamish Pritchard on a British Antarctic Survey expedition in the Herschel Heights, Alexander Island. Rock samples can tell us when these summits emerged from the retreating ice sheet. (Credit: Mike Brian).

5_GreenlandMeltStream_creditIanJoughin

For several summers this deeply incised melt channel transported overflow from a large melt lake to a Moulin (a conduit drains the water through many hundreds of feet to the ice sheet's bed). (note people near left edge for scale).

6_GreenlandIcebergsDiskoBay_creditIanJoughin

Large iceberg that is one of many that get stranded in this shallow region near where the fjord meets Disko Bay near the Greenlandic town of Ilulissat (population ~4500), which is located on the rocky area behind the iceberg. (Credit: Ian Joughin, University of Washington)

7_GreenlandIcebergsDiskoBay_creditIanJoughin

The midnight sun casts a golden glow on an iceberg and its reflection in Disko Bay, Greenland. Much of Greenland's annual mass loss occurs through calving of icebergs such as this. (Credit: Ian Joughin, University of Washington)

8_GreenlandIcebergsDiskoBay_creditIanJoughin

The midnight sun casts a golden glow on an iceberg and its reflection in Disko Bay, Greenland. Much of Greenland's annual mass loss occurs through calving of icebergs such as this. (Credit: Ian Joughin, University of Washington)

9_GreenlandIcebergsDiskoBay_creditIanJoughin

The midnight sun casts a golden glow on an iceberg and its reflection in Disko Bay, Greenland. Much of Greenland's annual mass loss occurs through calving of icebergs such as this. (Credit: Ian Joughin, University of Washington)

10_GreenlandIcebergsDiskoBay_creditIanJoughin.jpg

The midnight sun casts a golden glow on an iceberg and its reflection in Disko Bay, Greenland. Much of Greenland's annual mass loss occurs through calving of icebergs such as this. (Credit: Ian Joughin, University of Washington)

11_GreenlandIceSheetMarginSouthofIlulissat_creditIanJoughin

Area of the Greenland Ice Sheet with a land-terminating margin. In such regions ice is shed primarily through in situ melting, unlike marine-terminating glaciers where iceberg calving dominates annual ice loss. (Credit: Ian Joughin, University of Washington)

12_GreenlandMeltStream_creditIanJoughin

Over the course of several years, turbulent water overflow from a large melt lake carved this 60-foot deep canyon (note people near left edge for scale). (Credit: Ian Joughin, University of Washington)

13_GreenlandIcebergsDiskoBay_creditIanJoughin

Sediment-streaked iceberg, Disko Bay, Greenland. (Credit: Ian Joughin, University of Washington)