

U.S. National Ice Center

PRESS RELEASE

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Iceberg C-40 Has Calved from Vanderford Glacier

24APR2023, SUITLAND, MD — The U.S. National Ice Center (USNIC) has confirmed that iceberg C-40 (figure 1, below) calved from the Vanderford Glacier in the Wilkes Land Region of Antarctica. As of April 23, C-40 was centered at 66°32' South and 110°17' East and measured 7 nautical miles on its longest axis and 4 nautical miles on its widest axis.

The new iceberg was first spotted by Dr Jan Lieser of Australia's Bureau of Meteorology and confirmed by USNIC Analyst Katherine Quinn using the Sentinel-1A image below.

Iceberg names are derived from the Antarctic quadrant in which they were originally calved. The quadrants are divided counter-clockwise in the following manner:

- A = 0-90W (Bellingshausen/Weddell Sea)
- B = 90W-180 (Amundsen/Eastern Ross Sea)
- C = 180-90E (Western Ross Sea/Wilkesland)
- D = 90E-0 (Amery/Eastern Weddell Sea)

When first sighted, an iceberg's point of origin is documented by USNIC. The letter of the quadrant, along with a sequential number, is assigned to the iceberg. For example, C-19 is sequentially the 19th iceberg tracked by USNIC in Antarctica between 180-90E (Quadrant C). Icebergs with letter suffixes have calved from already named icebergs, where the letters are added in sequential order. For example, C-19D is the 4th iceberg to calve off the original C-19 iceberg.

Iceberg positions are analyzed weekly and are available on the USNIC webpage at:
<https://usicecenter.gov/Products/AntarcIcebergs>

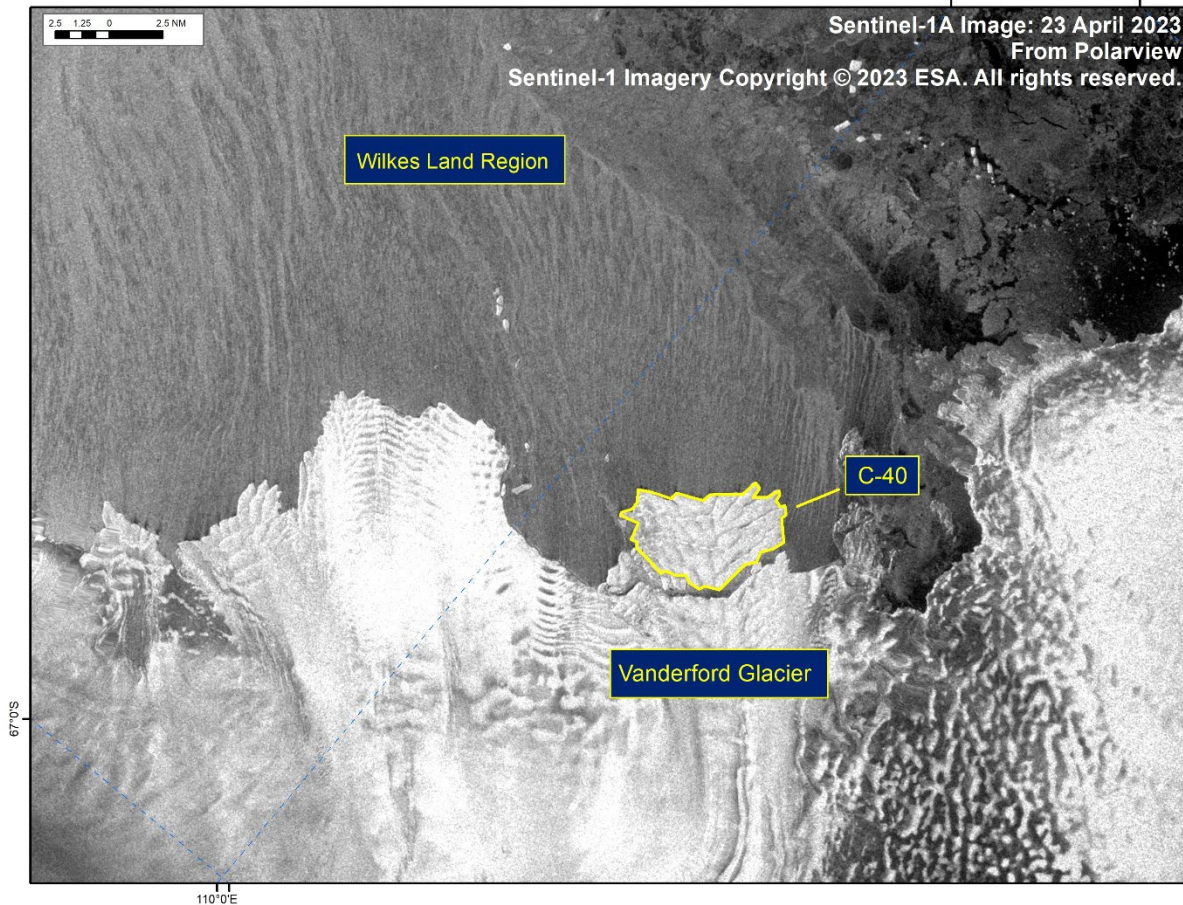


Figure 1: Sentinel-1A image of iceberg C-40 from April 23, 2023.

USNIC is a multi-agency center—subordinate to Naval Meteorology and Oceanography Command—operated by the Navy, NOAA, and Coast Guard which provides global to tactical scale ice and snow products, ice forecasting, and related environmental intelligence services for the United States government.

Naval Meteorology and Oceanography Command directs and oversees more than 2,500 globally-distributed military and civilian personnel who collect, process and exploit environmental information to assist Fleet and Joint Commanders in all warfare areas to make better decisions faster than the adversary.

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