

Supplement S1. Megaclast localities found with the virtual journey approach.



Megaclasts (outlined in red) at the Angelokastro locality (see Fig. 2 for location). Source image: *Google Earth Engine*.



Megaclasts (outlined in red) at the Blå Jungfrun locality (see Fig. 2 for location). Source image: *Google Earth Engine*.



Megaclasts (outlined in red) at the Chiringashima locality (see Fig. 2 for location). Source image: *Google Earth Engine*.



Megaclasts (outlined in red) at the Chiringashima locality (see Fig. 2 for location). Source image: *Google Earth Engine*.



Megaclasts (outlined in red) near the crater of Kilimanjaro (see Fig. 2 for location). Source image: *Google Earth Engine*.



Megaclasts (outlined in red) at the Kueitou locality on the volcanic island of Kueishan (see Fig. 2 for location). Source image: *Google Earth Engine*.



Megaclasts at the Simba Hill locality (several very large particles are indicated by red circles, ? marks an object that can be either fully- or partly-detached megaclast or parent rock outcrop) (see Fig. 2 for location). Source image: *Google Earth Engine*.



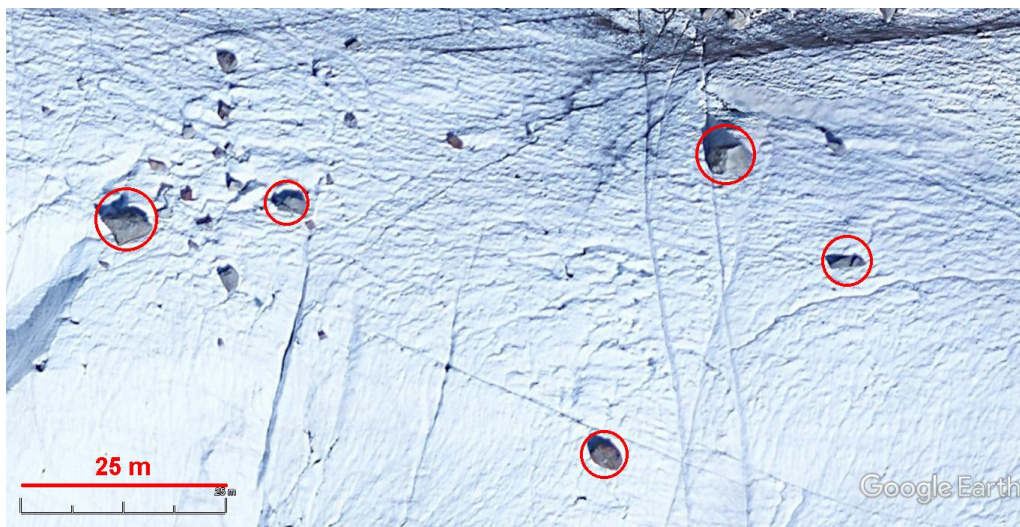
Megaclasts (outlined in red) at the Soyak locality (see Fig. 2 for location). Source image: *Google Earth Engine*.



Megaclasts at the Zermatt locality below the glacier edge (several very large particles are indicated by red circles) (see Fig. 2 for location). Source image: *Google Earth Engine*.



Megaclasts at the Zermatt locality near the glacier edge (several very large particles are indicated by red circles and outlined in red) (see Fig. 2 for location). Source image: *Google Earth Engine*.



Megaclasts at the Zermatt locality on the glacier surface (several very large particles are indicated by red circles) (see Fig. 2 for location). Source image: *Google Earth Engine*.