

Erycah [Air-i-ka], 11

6th grade

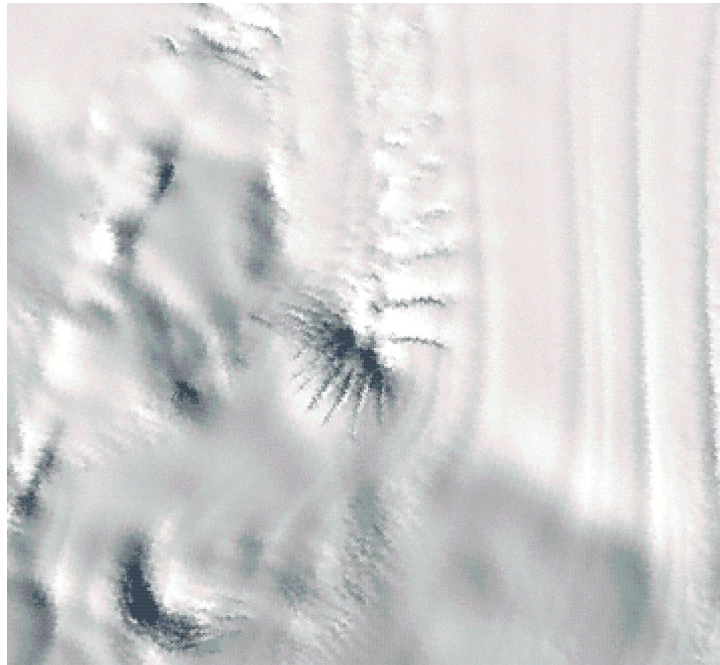
Taylor Academy

California

The feature I have chosen is located on the edge of Ross Island, next to the Eastwind Glacier.

Latitude: 168

Longitude: -77



The ice feature is scientifically interesting because I am not sure what it is. At first I thought my feature was a cave or some kind of depression in the ice. However, after studying the type of shadow it creates, and the shadows of other known features (like Mt. Erebus and the Vee Cliffs), I have determined that my feature

looks more like a hill than a hole. The finger-like shapes that are visible might be made from melted ice running down the back of my feature.

My feature is 30768.72 meters (roughly 18 miles) away from Mt. Erebus. It could possibly be a rock projected by a volcanic eruption on Mt. Erebus. My feature may also be a volcanic vent because volcanic vents are rather small and my area is roughly 1,000 meters lengthwise and 660 meters across. If my feature were a vent then the finger like shapes could possibly be a result of the vent melting the ice.

Funding for my research would enable me to find out exactly what my feature is. My two hypotheses could provide further information on the effects Mt. Erebus had and has on forming Ross Island. If in fact my feature is a vent, further research could provide information on how life forms survive in hostile climates.