In January 2018, there was snow in the Sahara Desert. It wasn't the first time, but it was only the third time in 40 years.

In some winterstorms, ice forms on buildings and trees. This highthouse was in an ice storm near Lake Ere, in the US, in 2010. The ice was on the lighthouse for two weeks. There weren't any people in it at the time

This colourful desert is in Dallol , Ethiopia. The ground here is vocanic so Dallol is very hot. The blue liquid isn't water – it's concentrarted sulphuric acid so it's really dangerous! The average yearly temperature here from 1960 to 1966 was 41°C.

On 22 January 1943, at 7,30 a.m. it was -20° C in Spearfish, in the USA. At 7,32a.m., it was 7° C. That's a difference of 27°c.

There is a thunderstorm on lake Maracaivbo in Venezuela on about 300 days a year. On one night there were over 40.000 lightning strikes. The lightning was continuous for nine hours!

Upside down rainbows happen in cold weather all over the world . This one was in Manchester, the UK, and there wasn't any rain. When does it happen? Upside-down rainbowns happen when there are ice crystals in the air.

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