



Weather forecast and predictions

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- People of the past didn't have satellites and other modern technologies
- They had to predict it by nature and its signs



Clouds

- We can figure out what weather is going to be by the **height** and the **shape** of clouds
- High and white cloud = sunny and bright day
- Black and low clouds = rainstorm



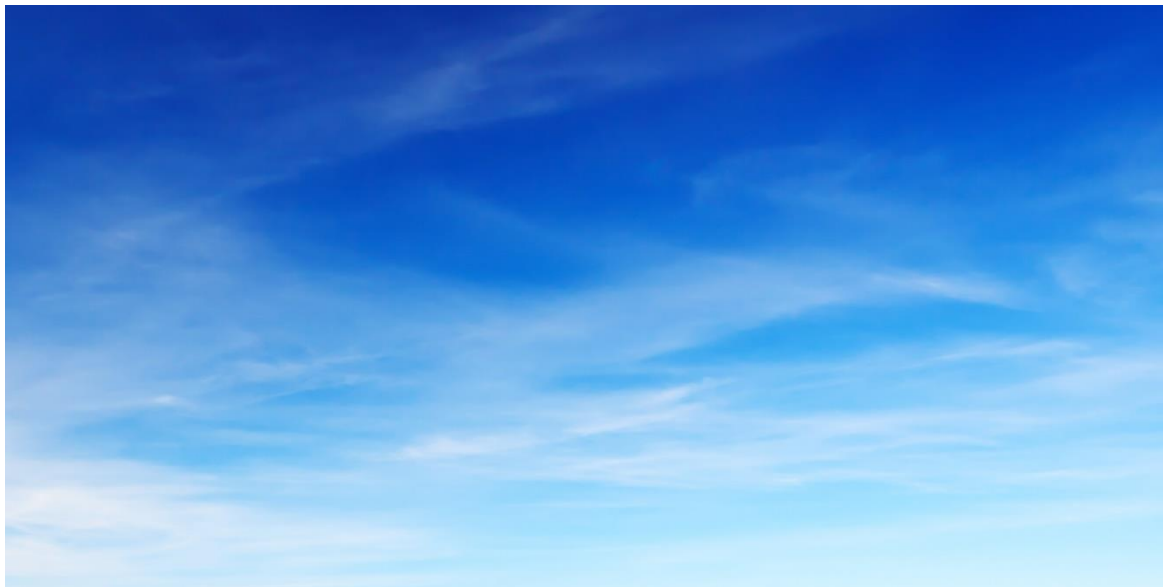
Cirrocumulus

- Clouds that look like sheep
- It's a prediction for worsening weather



Cirrostratus

- Made from ice **krystals**
- As they pass around the Sun or the Moon, they form a circle of light around them called “halo”

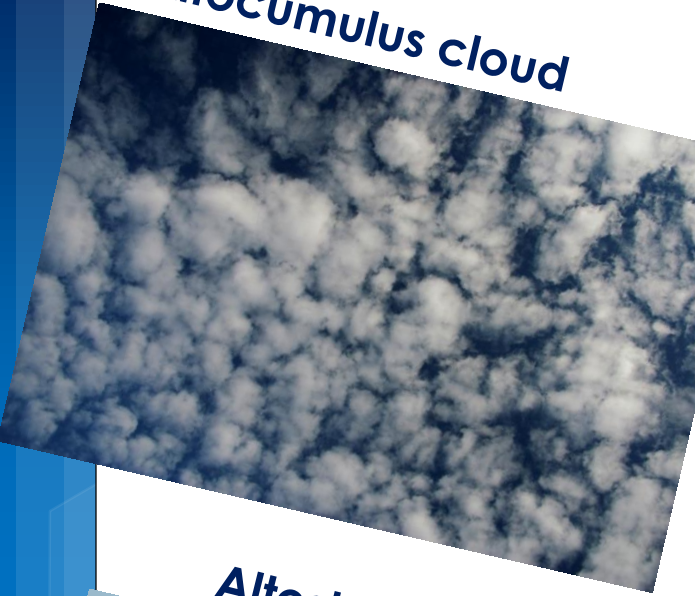


Circle around the Moon and the Sun

- **Halo** on the sky - a prediction for **frosty and cold** weather
- An optical effect



Altostratus cloud



Cumulus cloud



Cirrus cloud



Altostratus cloud



Nimbostratus cloud



Cumulonimbus cloud



Storms in Slovakia

- ◉ Sometimes very dangerous
- ◉ Mostly in summer



Storm in Zvolen from 2018

Insects and spiders

Bad weather:

- Ants are making their way to our houses
- Bees aren't calm etc.



Good weather:

- Spider make rich nets and they repair the torn ones
- Anthills are full of ants
- Butterflies sit on flowers with open wings etc.

Animals and insects

- People were always observing animal behaviour
- The best predictors are **birds** and **insects**



Animals

Bad weather

- Cats and dogs eat grass and domestic animals are restless
- If a cow stands with its tail to the west etc.

Good weather

- Bats fly in the evening
- Wolves always howl more before a storm etc.

Flowers

Before the rain and thunderstorm

- The smell of flowers gets the **strongest** just before the **rain**
- Plants like tulips or dandelions **close their flowers** before **thunderstorms**
- They do it to protect their flowers



Softly pink sky during sunsets

- A red sky at dawn means that the low pressure air is bringing **rain**



Bubbles in puddles

- Science says bubbles in puddles can form even during **short rain** showers and **heavy rains**



Quiz

○ Who are the best weather predictors?

- A. Birds + insects
- B. People
- C. Cattle + horses



○ **What do usually high placed a white clouds mean for the weather?**

- A. Dogs won't bark that much
- B. It'll be sunny
- C. It'll snow

○ What is the thing shown in this picture called?

- A. Light of life
- B. Aurora polaris
- C. Halo

