class 1: The Sun
its properties and how we measure them… but first, some phenomenology

The Sun is the source of nearly all energy and all light on Earth
optical image, but narrow wavelength filter centered on hydrogen emission

https://apod.nasa.gov/apod/ap111115.html
far ultraviolet view of the Sun is quite different

can you see Venus?
the solar wind - material flowing off the Sun’s surface - permeates the Solar System and affects the Earth

15 second exposure of northern lights in Iceland, March 2018
Venus is never far from the Sun

https://apod.nasa.gov/apod/ap151108.html
World’s largest radio telescope: Arecibo in Puerto Rico