

MOTION OF THE SUN

Introduction

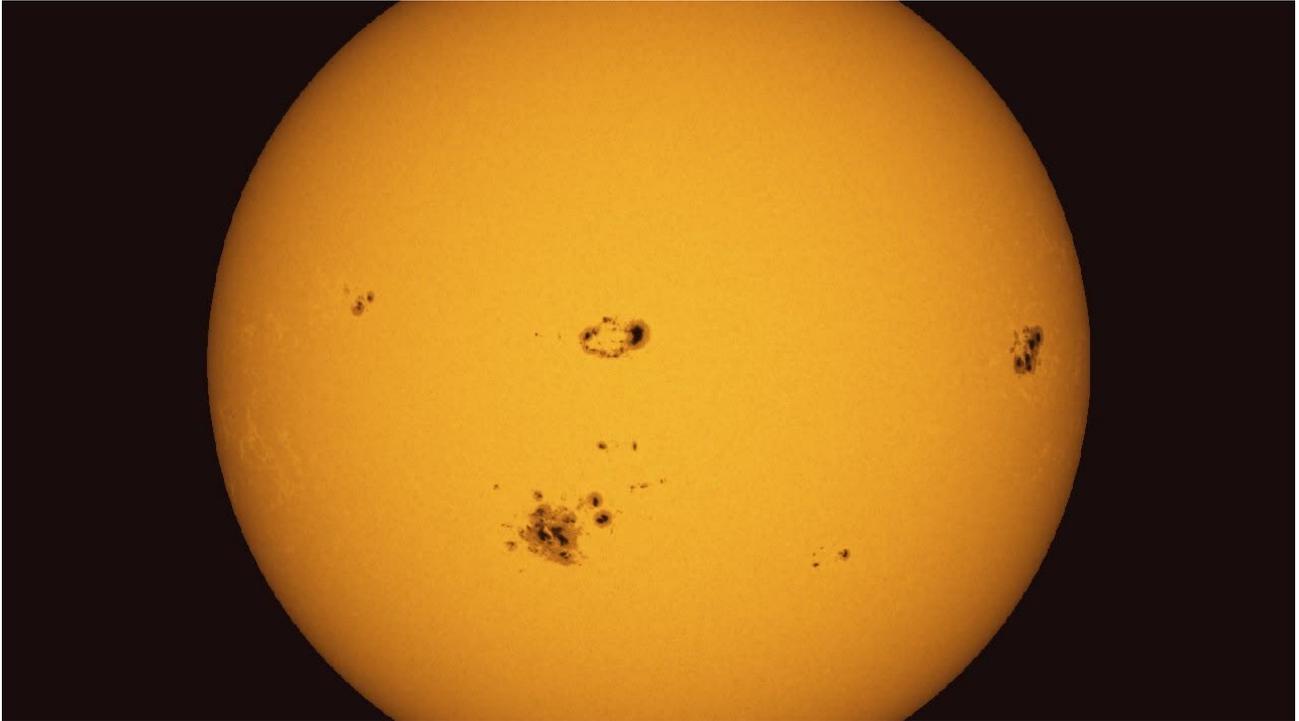
The satellite SOHO sends images of the surface of the Sun at different times, in order to know how it changes through time.

On the surface of the Sun we can see some black spots, which we call sunspots. If we look close, each time they appear different in, and sometimes there are none. Sunspots are regions of the Sun with a lower temperature than their surroundings, and with intense magnetic activity. Their size is sometimes comparable to the Earth.

Each sunspot lasts several weeks, but they travel along the surface of the Sun - or so it would seem to us, because the Sun is rotating!

There will be two missions ahead:

- **Mission 1: Find out the Sun's rotational period**
 - **Mission 2: ¿How does the Sun look now?**
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Sunspots

Source: <http://soho.esac.esa.int>

More educational materials:

<http://cesar-programme.cab.inta-csic.es/sun.php?Section=Now>
<https://sohowww.nascom.nasa.gov/classroom/>

Project CESAR:

<http://www.cosmos.esa.int/web/cesar>

ESA Kids:

<http://www.esa.int/esaKIDSes>