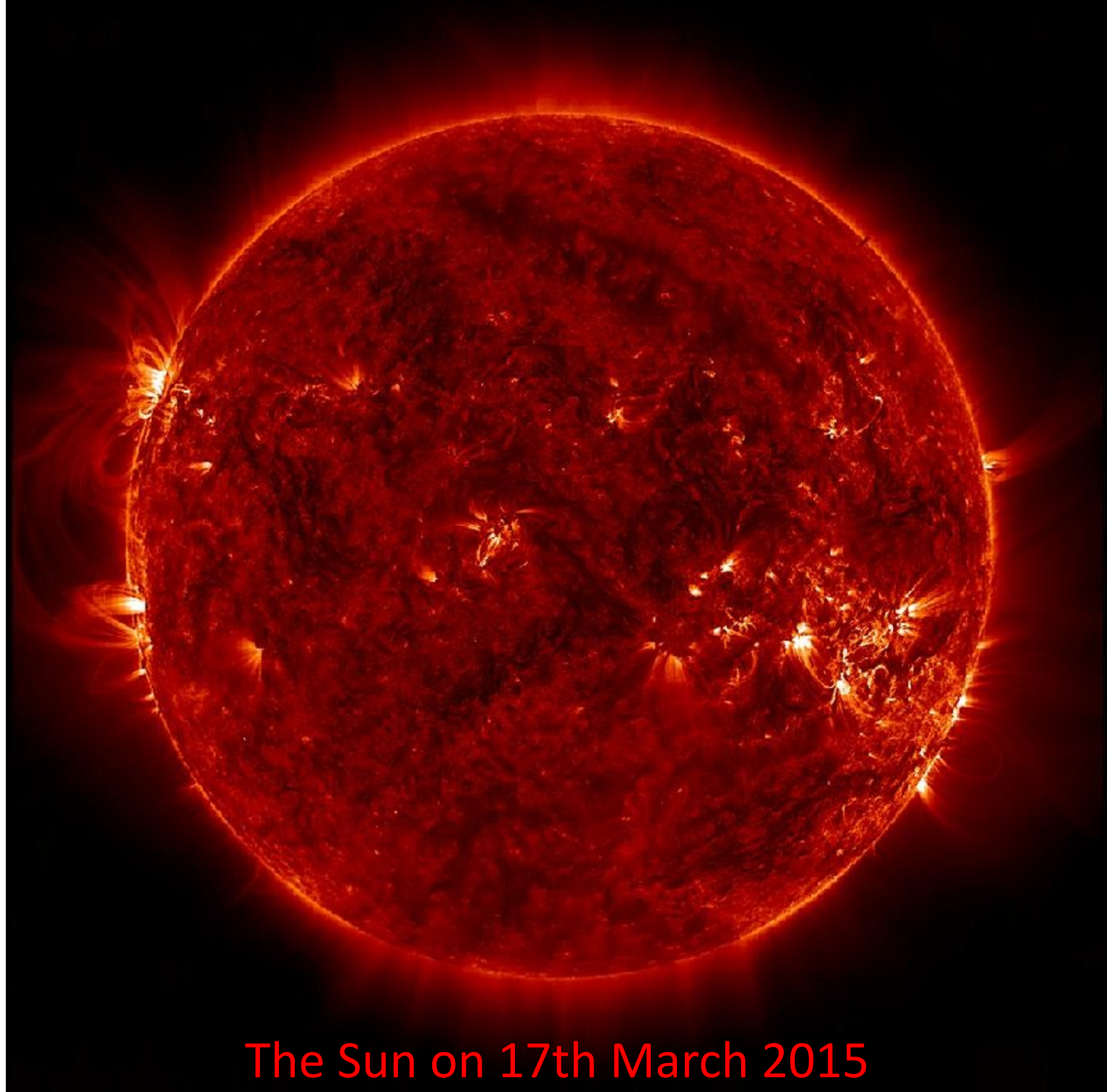


# SOLAR FACTS



The Sun on 17th March 2015

Source: ESA JHelioviewer

## Did you know....

⇒ The Sun has a radius of 696,000km

⇒ That is 109 times the Earth's radius

⇒ It has a mass of (wait for it...)

2,000,000,000,000,000,000,000,000,000,000,000,000 kg (!)

⇒ That is 1.3 million times as much as the Earth's mass

## Temperature

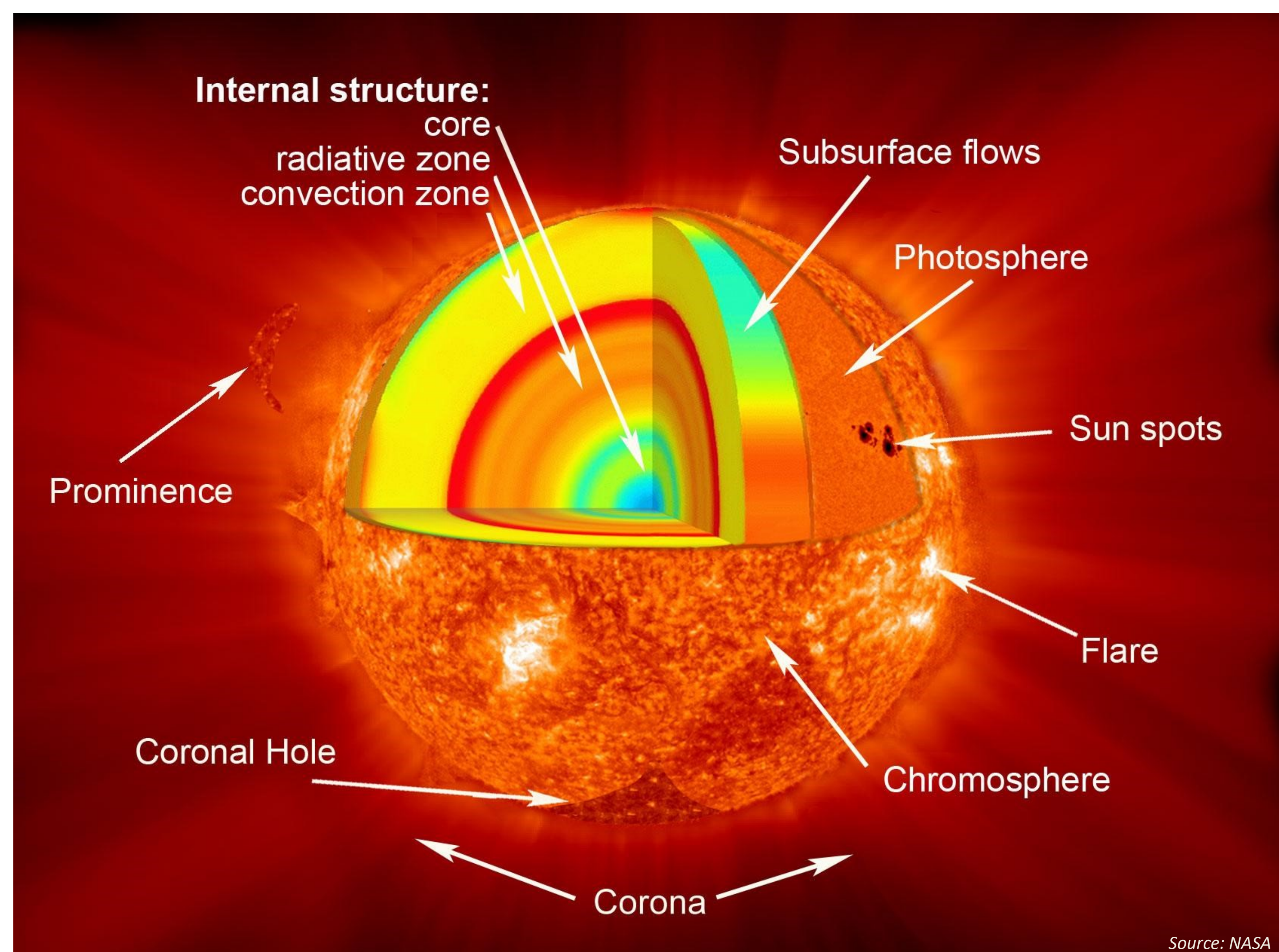
⇒ At the surface it is about  $5,700^{\circ}\text{K}$

⇒ In the core it is 15 million $^{\circ}\text{K}$

⇒ In the chromosphere it is  $6,000^{\circ}\text{K}$  –  $20,000^{\circ}\text{K}$

⇒ In the corona it is 2 million $^{\circ}\text{K}$

⇒ Sunspots are cooler than the surrounding surface



Source: NASA

⇒ The Sun is 150 million km away.

⇒ It shines with the power of 4 trillion, trillion 100 watt light bulbs.

⇒ The light it emits takes about 8 minutes and 20 seconds to get to the Earth.

⇒ It takes 5.5 hours for the light to get to Pluto.

⇒ The Sun is made up of 74% Hydrogen, 25% Helium and 1% other elements.

⇒ It is thought the Sun is 4.5 billion years old, and is about half way through its lifetime.