

# Colour Filters

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AUSTRIAN  
SPACE FORUM





- ***Collect Data***
- ***Process Data***
- ***Create an Output***







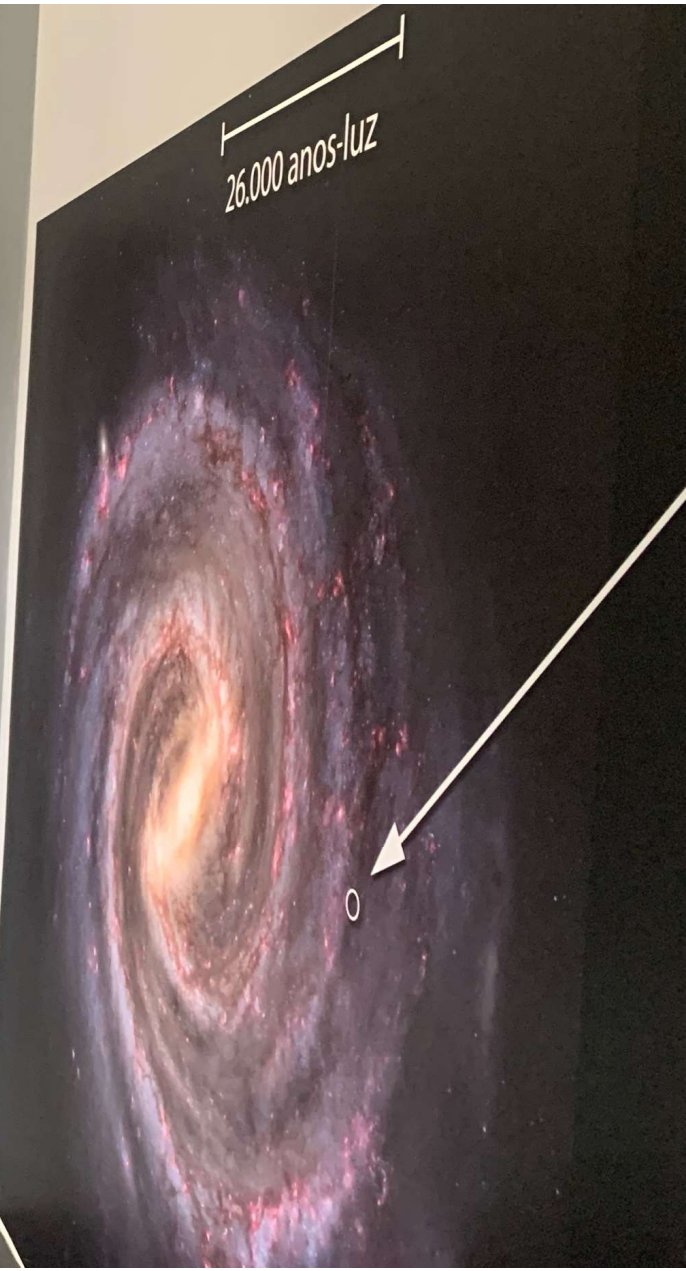
*Orion's Belt*



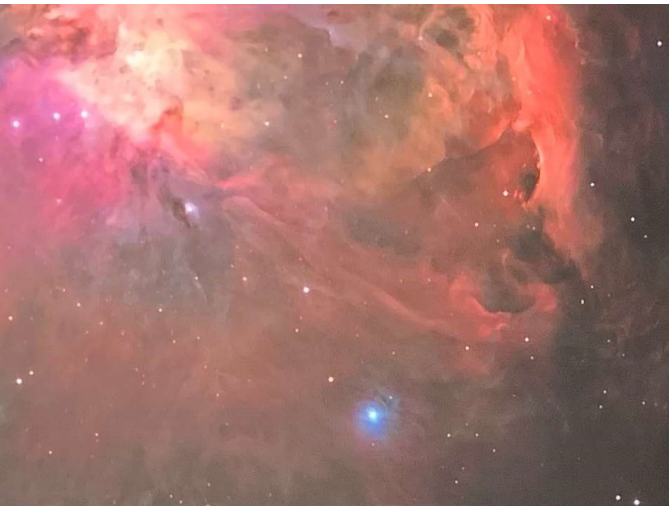




Small vertical text label, likely providing information about the nebulae shown in the adjacent panel.











observatório  
lago alqueva



DÉCOUVREZ LE CIEL DE MONSARAZ ET  
LAISSEZ-VOUS SURPRENDRE PAR L'UNIVERS



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DESCUBRA O CÉU DE MONSARAZ E  
DEIXE-SE ENCANTAR PELO UNIVERSO



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DISCOVER MONSARAZ'S NIGHT SKY AND  
BE FASCINATED WITH THE UNIVERSE





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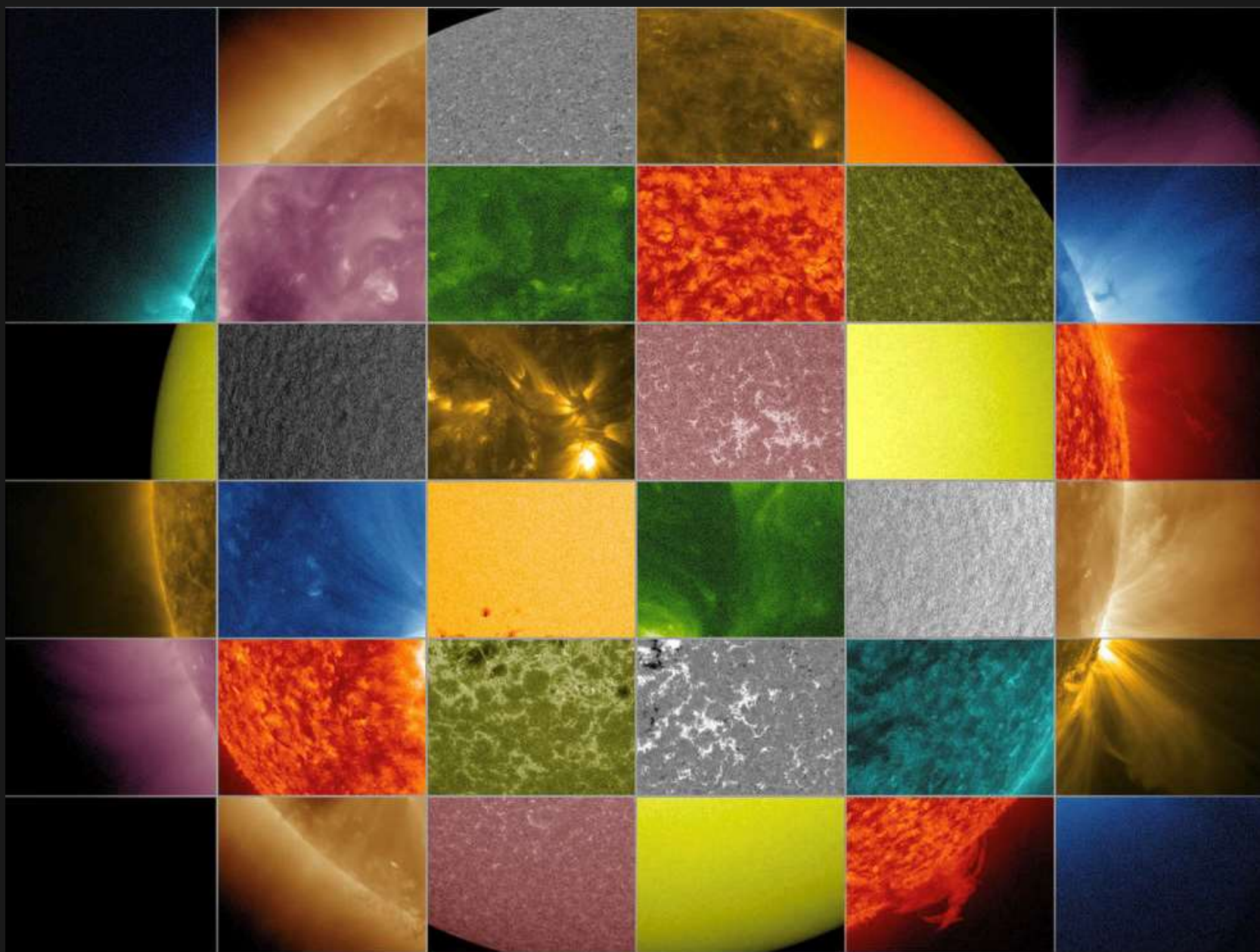
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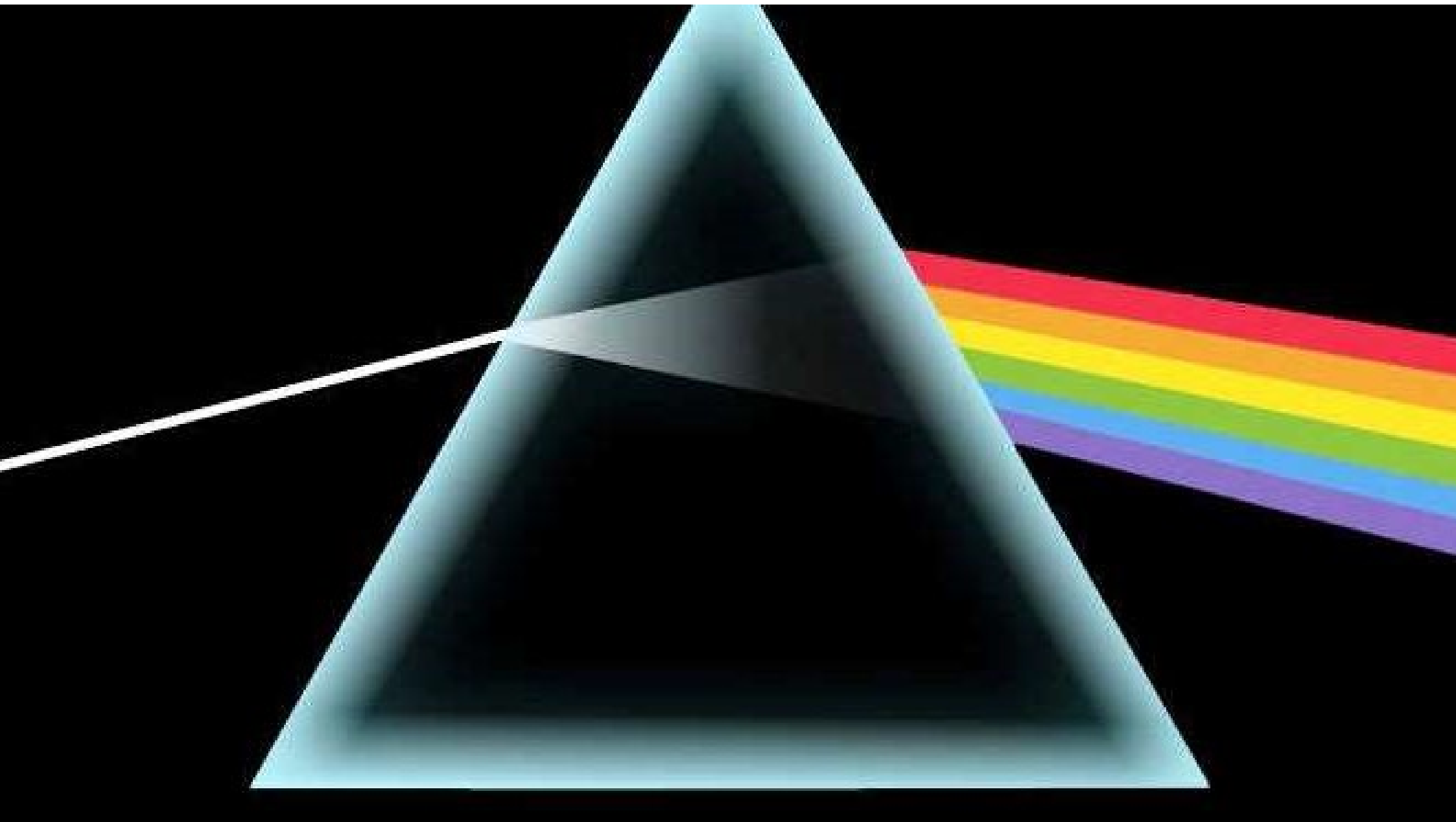
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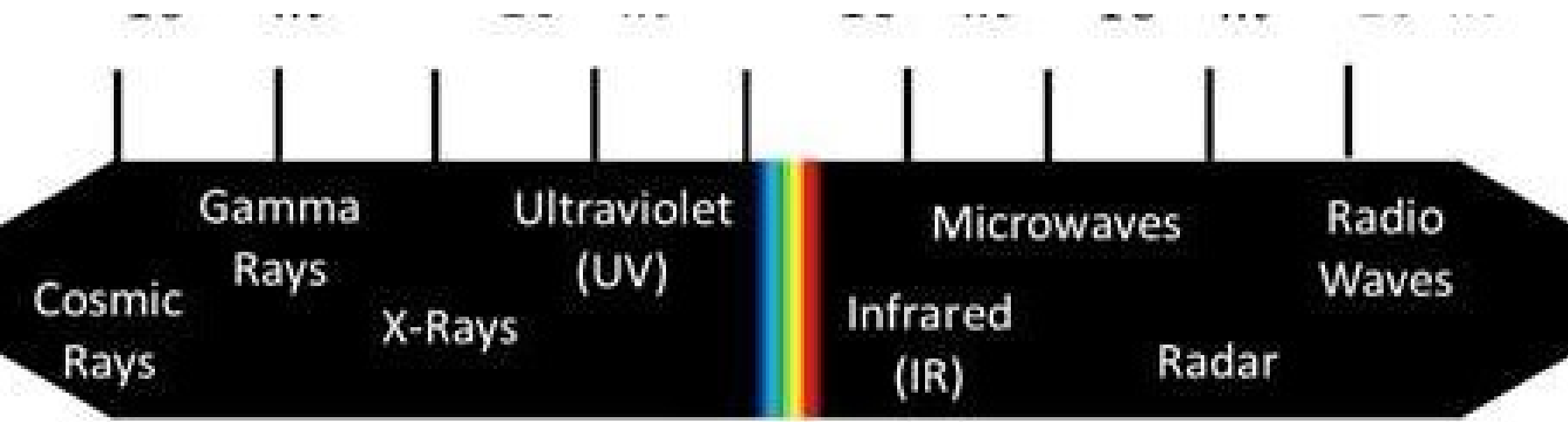
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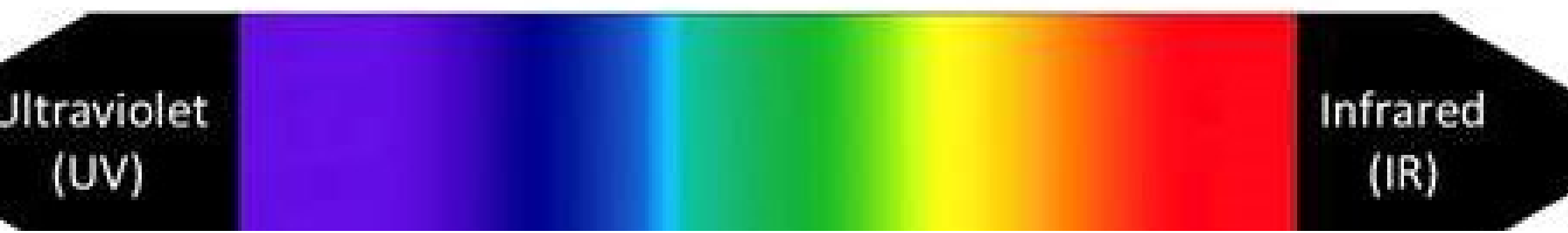


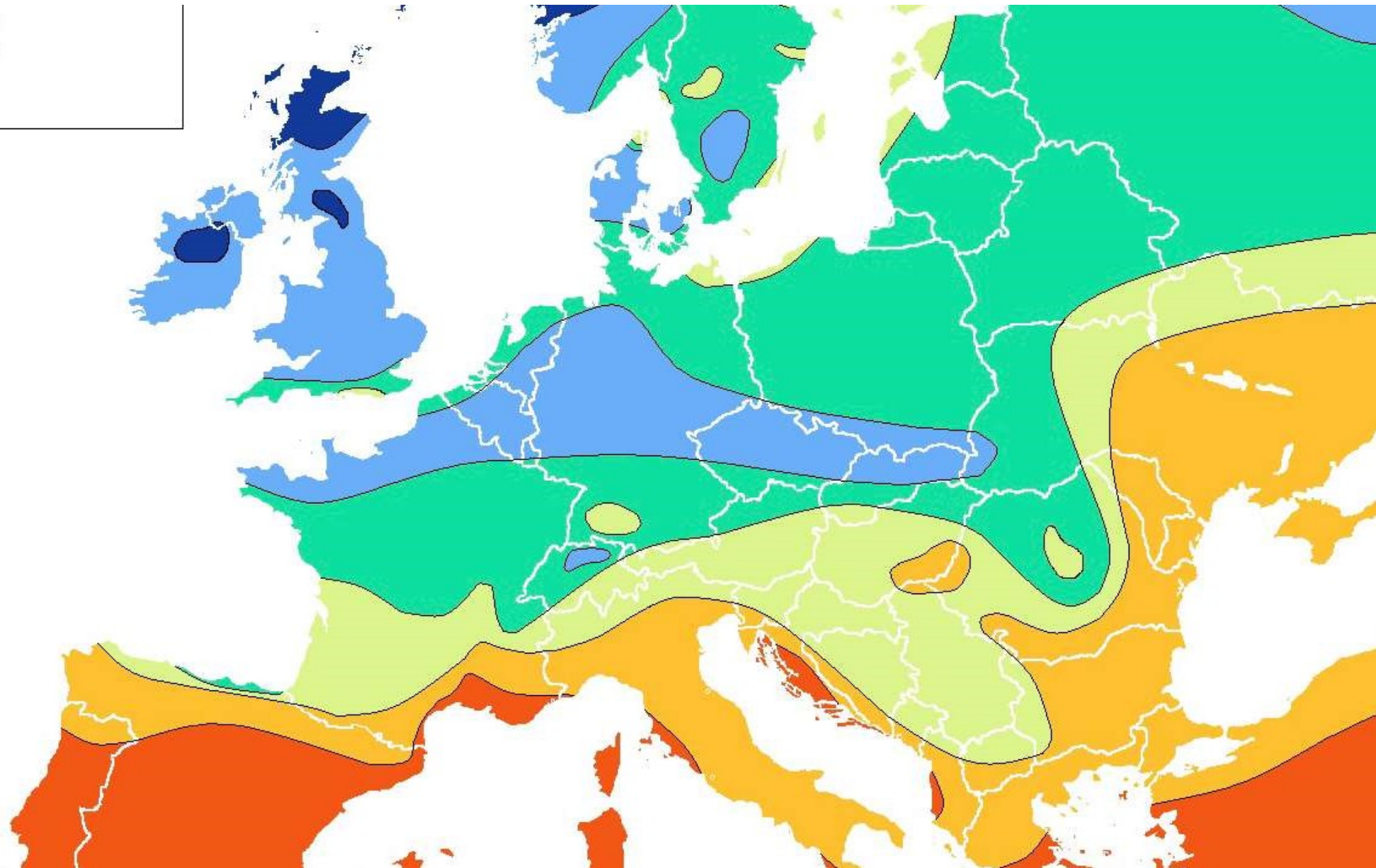






Visible Light  
380 nm - 760 nm

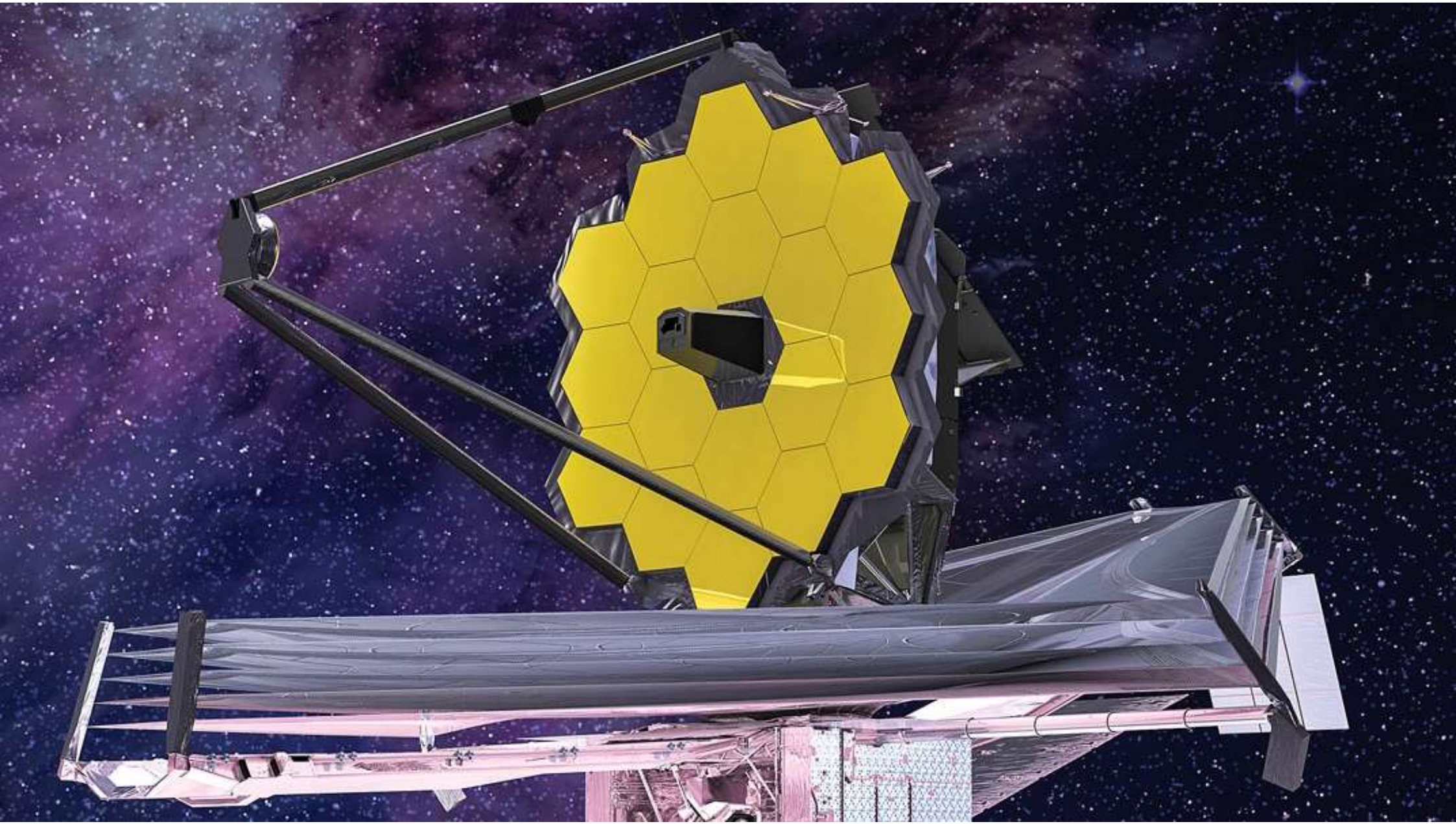


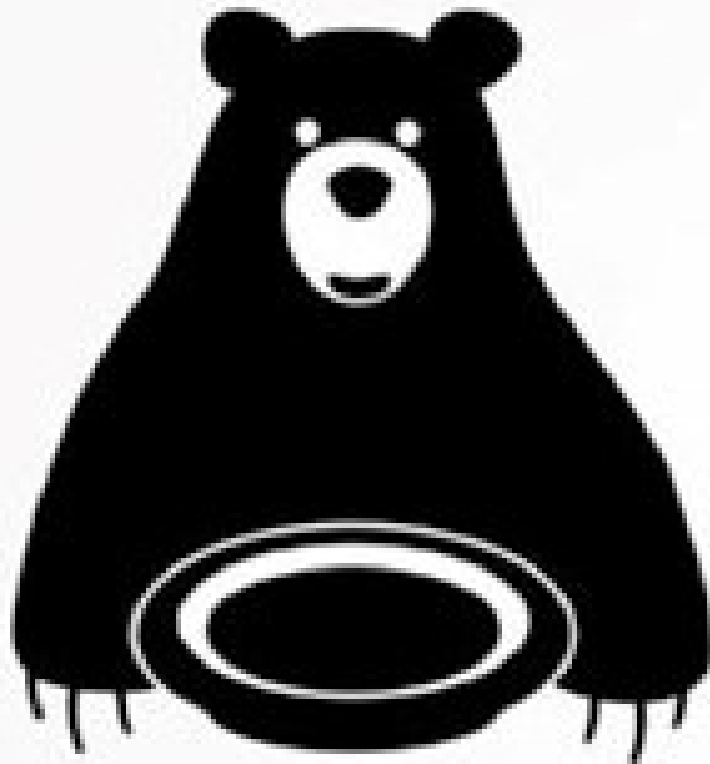














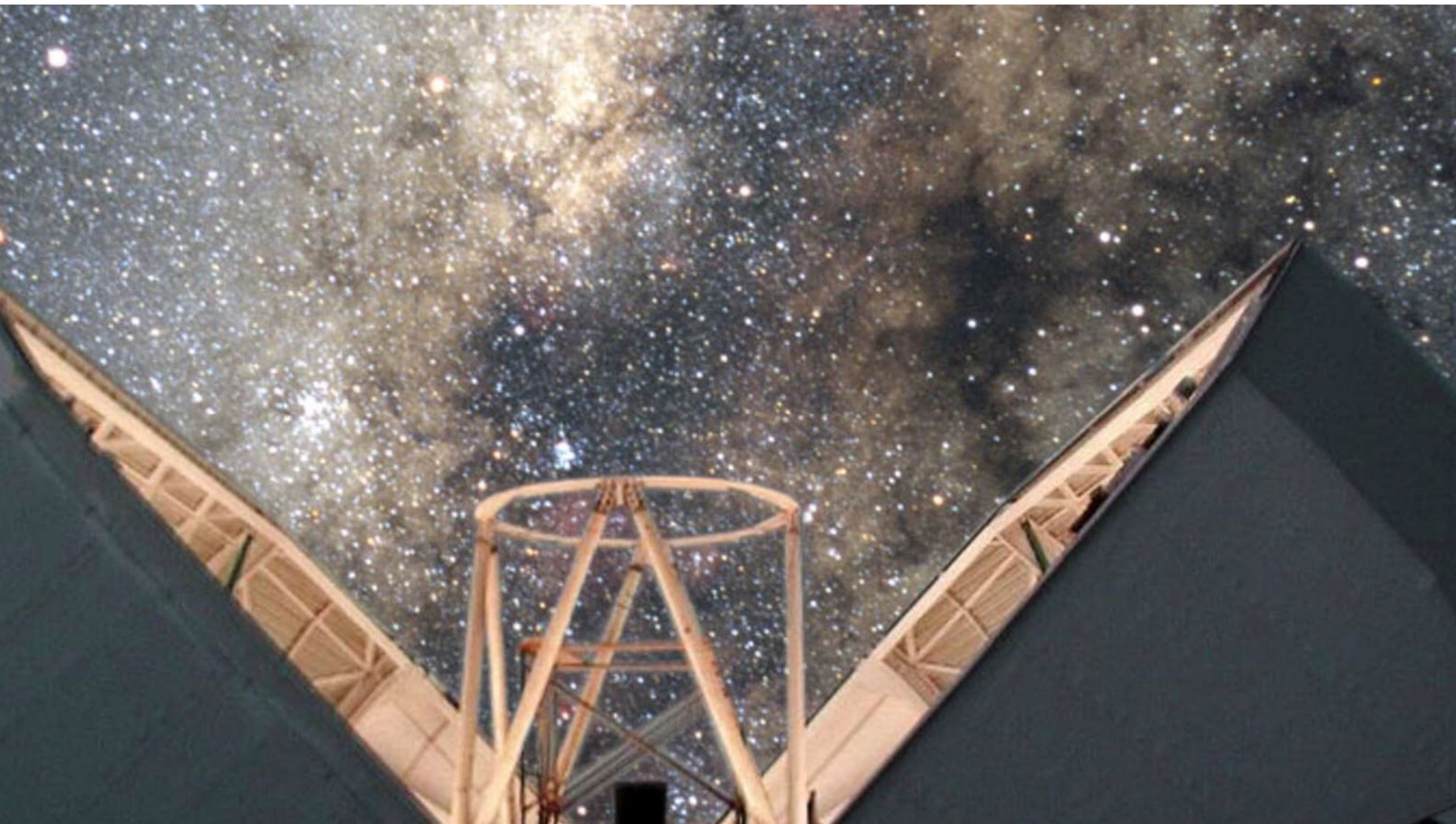




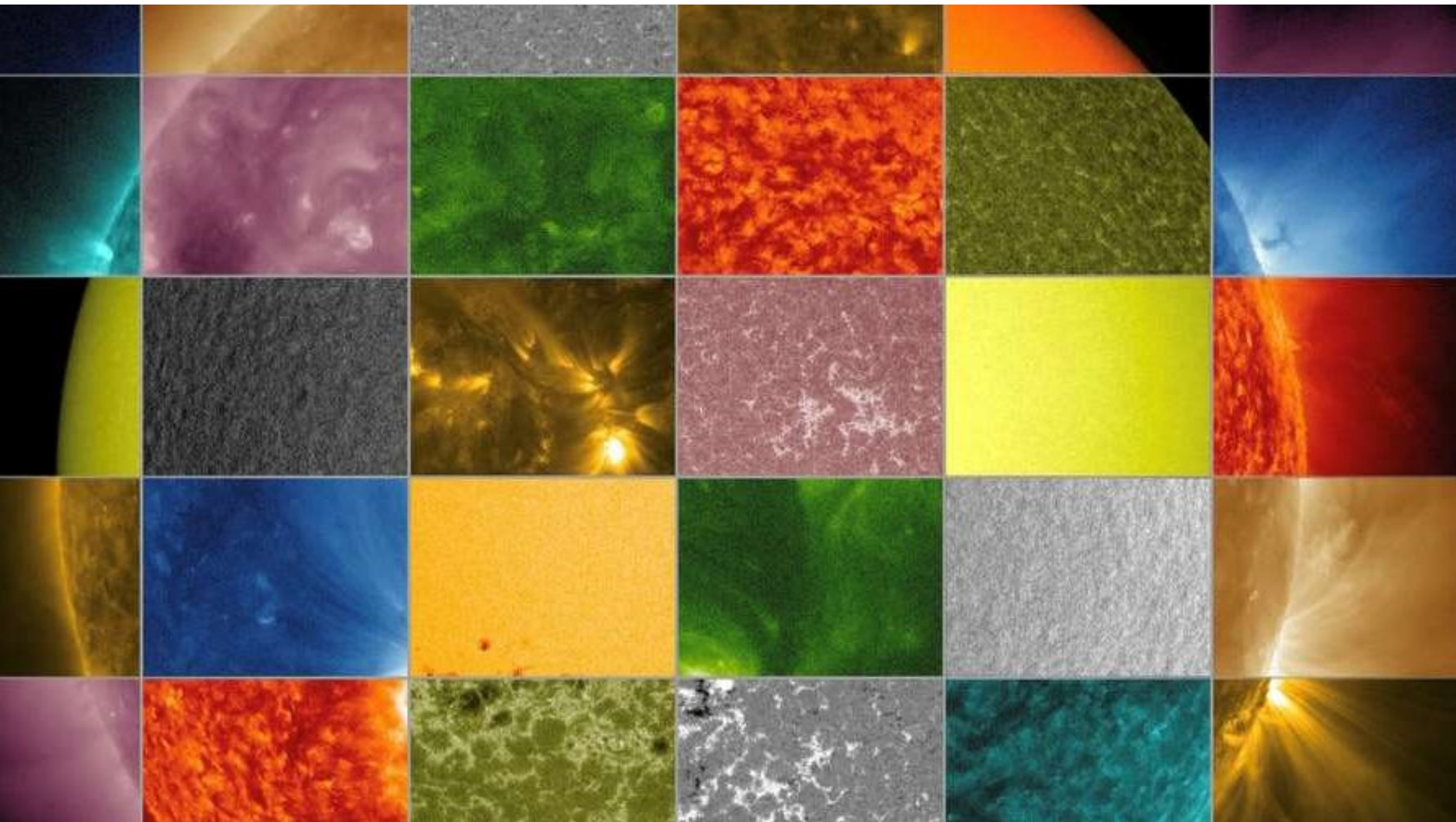














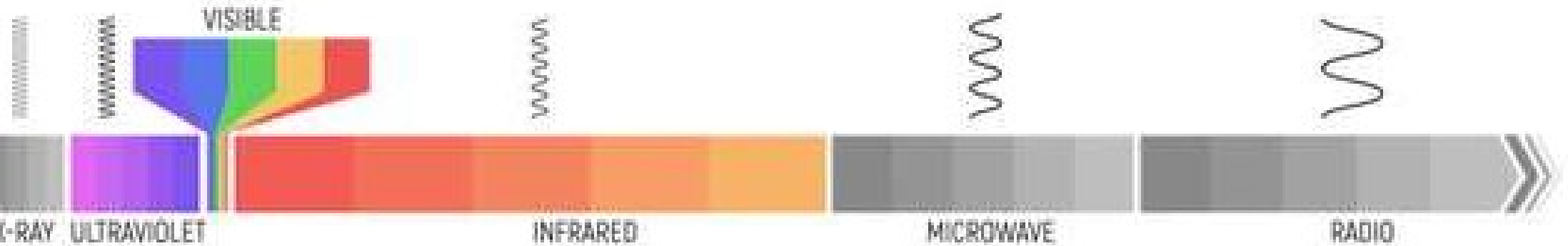
energy

Planck's constant

$$E = hf$$

frequency

of electromagnetic wave







observes, measured in Angstroms, are:

- 4500: Showing the sun's surface or photosphere.
- 1700: Shows surface of the sun, as well as a layer of the sun's atmosphere called the chromosphere, which lies just above the photosphere and is where the temperature begins rising.
- 1600: Shows a mixture between the upper photosphere and what's called the transition region, a region between the chromosphere and

and transition region.

- 171: This wavelength shows the sun's atmosphere, or corona, when it's quiet. It also shows giant magnetic arcs known as coronal loops.
- 193: Shows a slightly hotter region of the corona, and also the much hotter material of a solar flare.
- 211: This wavelength shows hotter, magnetically active regions in the sun's corona.
- 335: This wavelength also shows hotter,





- ***30 Doridas***
- ***Tarantula Nebula***



where is the tarantula nebula



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# Tarantula Nebula



Coordinates

RA 5h 38m 38s | Dec  $-69^{\circ} 5' 42''$





