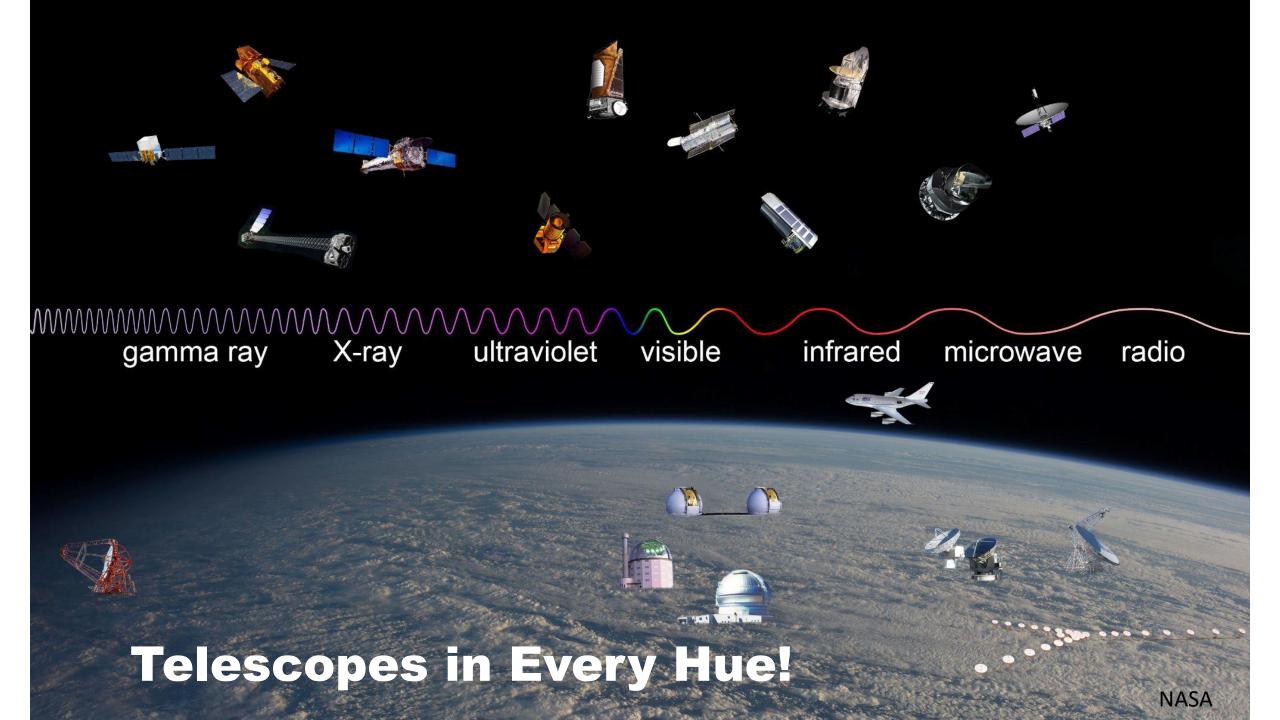
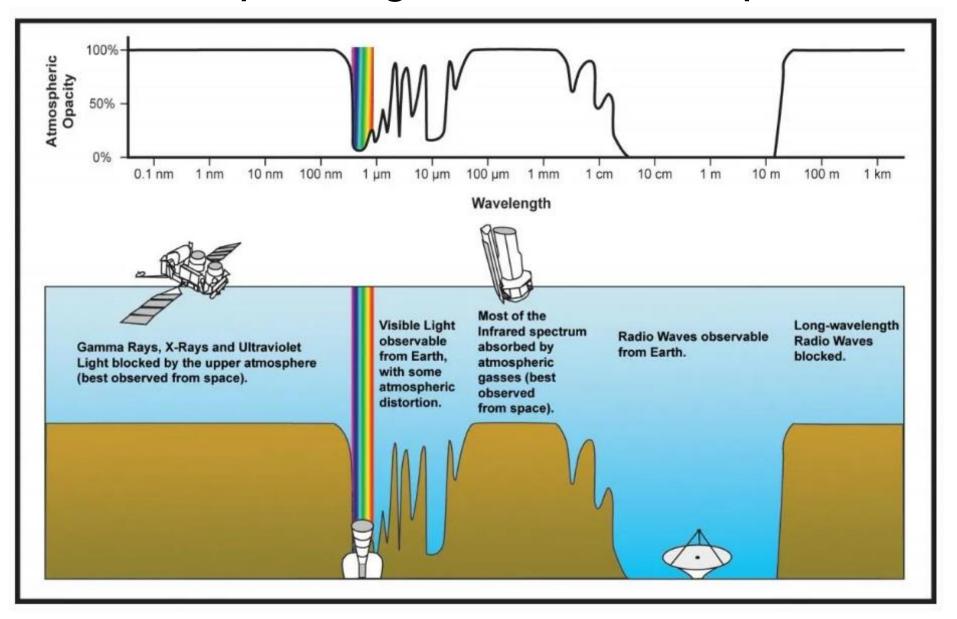
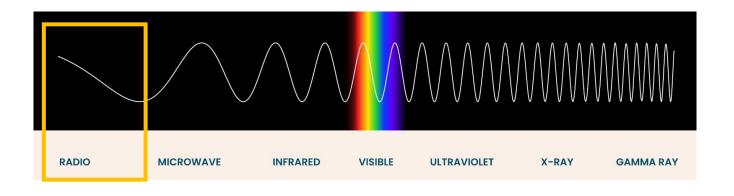
Cosmic Kaleidoscope of Wavelength Wonders

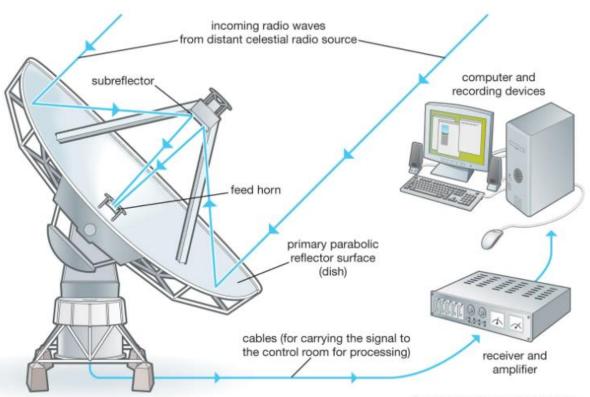


Telescope Tango: Ground vs. Space



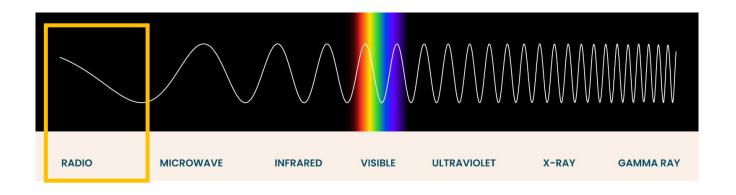








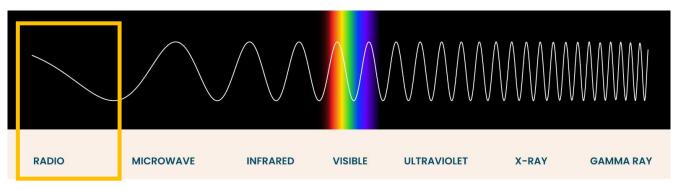
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Single Dish Telescope

IRAM 30 Meter Telescope

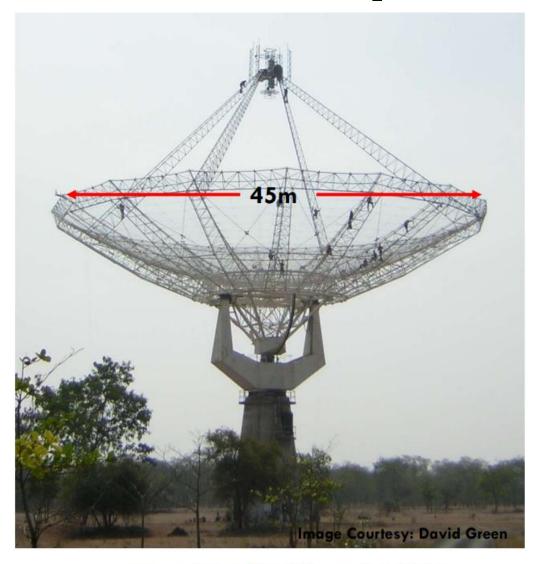




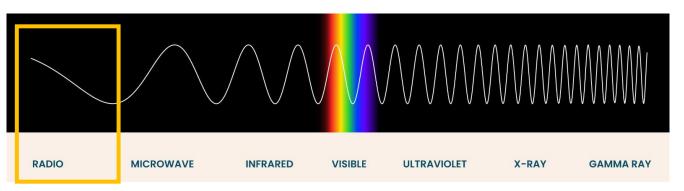
Interferometry

Giant Meter Radio Telescope

Shortest spacing ~ 100m; largest spacing ~ 25km

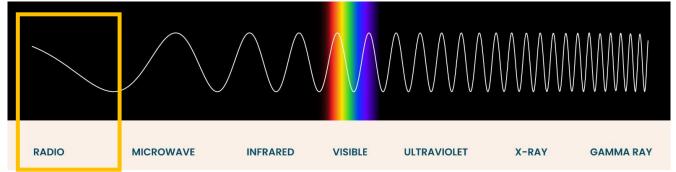


One of the 30 dishes of GMRT

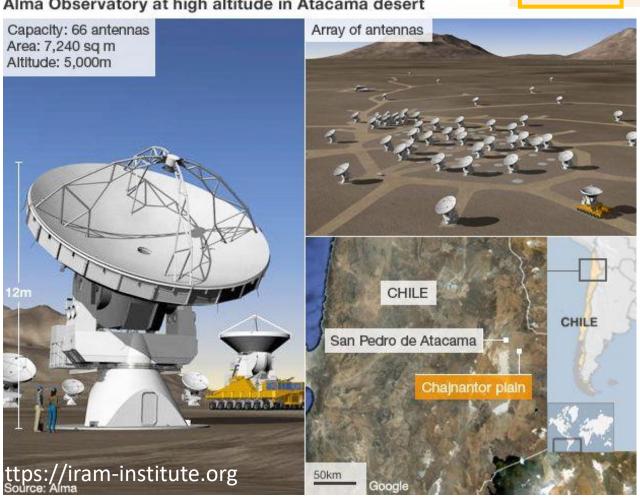


Interferometry

Giant Meter Radio Telescope



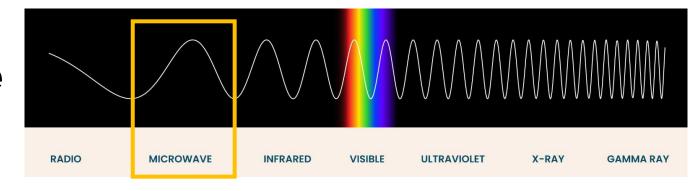
Alma Observatory at high altitude in Atacama desert

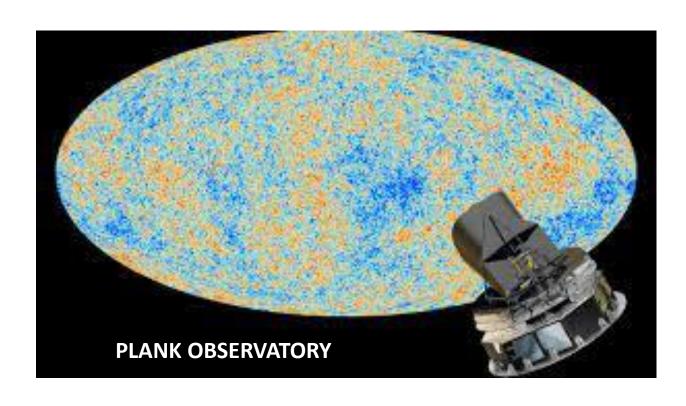


Interferometry

Giant Meter Radio Telescope

Microwave Telescope



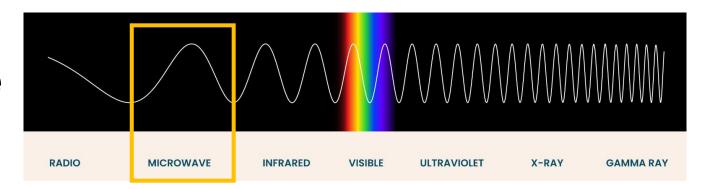


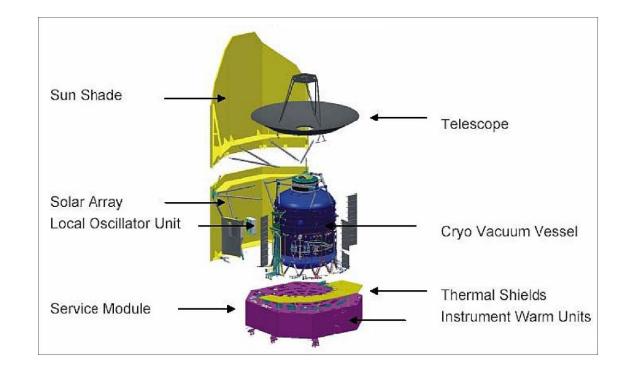


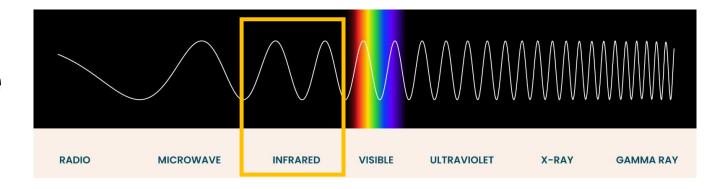
Microwave Telescope

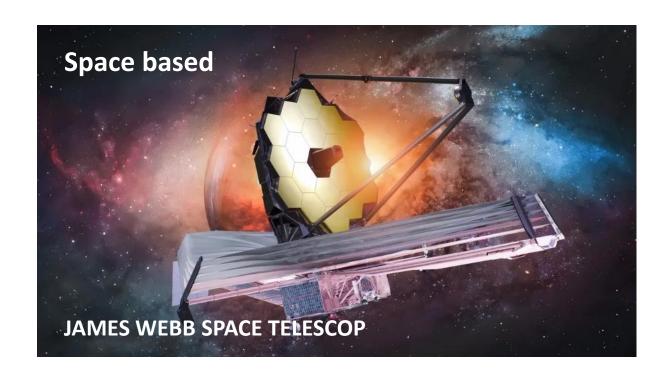
Herschel Telescope



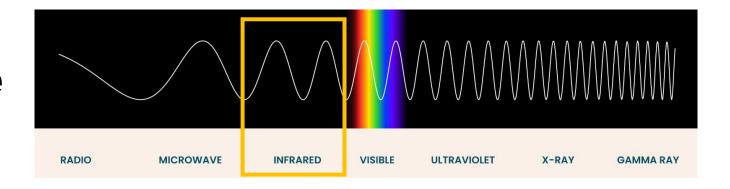


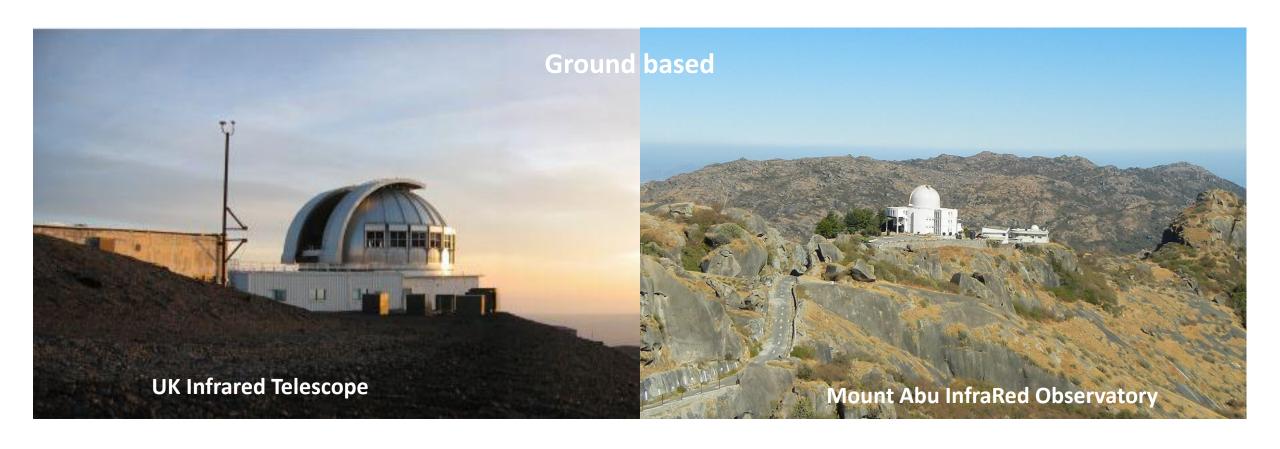


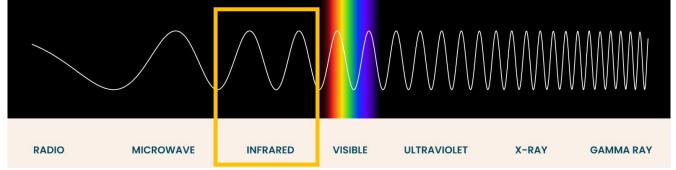


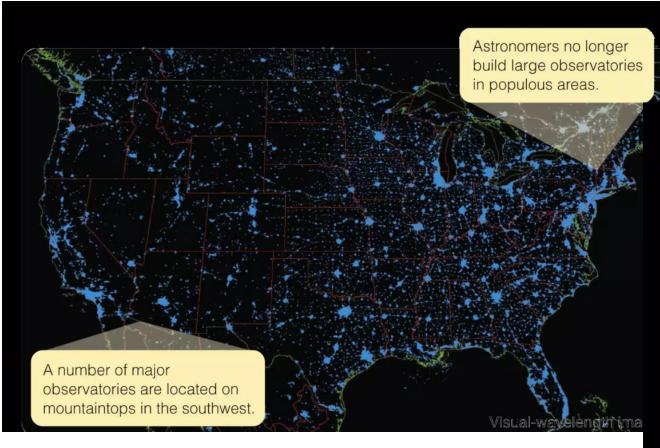




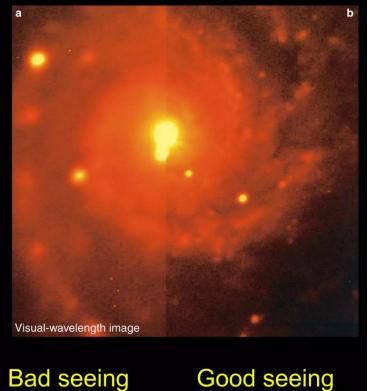


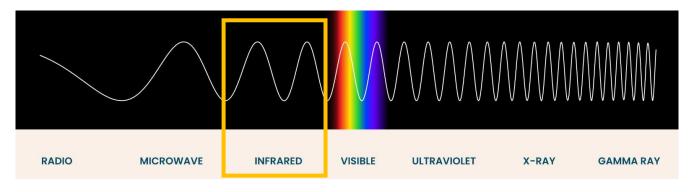






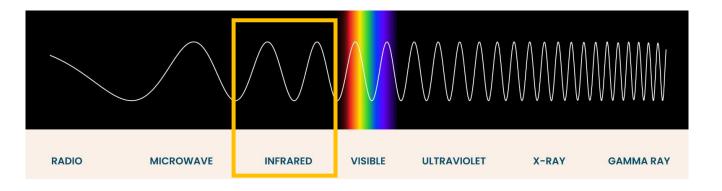
Weather conditions and turbulence in the atmosphere set further limits to the quality of astronomical images.



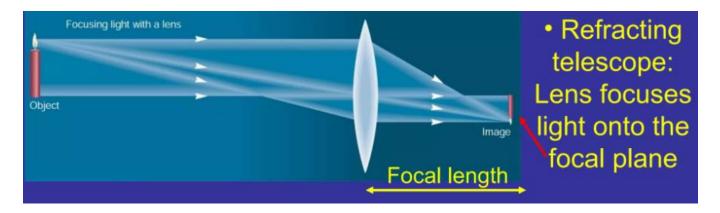


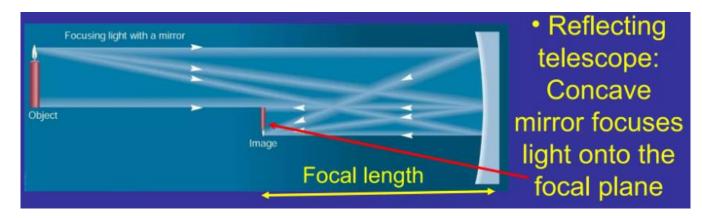


On high mountain-tops–to avoid atmospheric turbulence (→ seeing) and other weather effects.



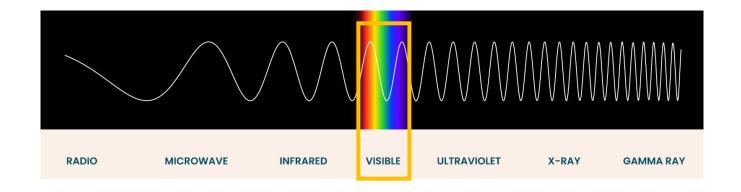
Reflecting/Refracting Telescope





All modern telescopes are Reflecting telescopes.

Optical Telescope

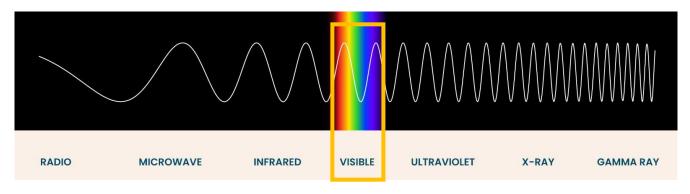


Hubble Space Telescope





Optical Telescope

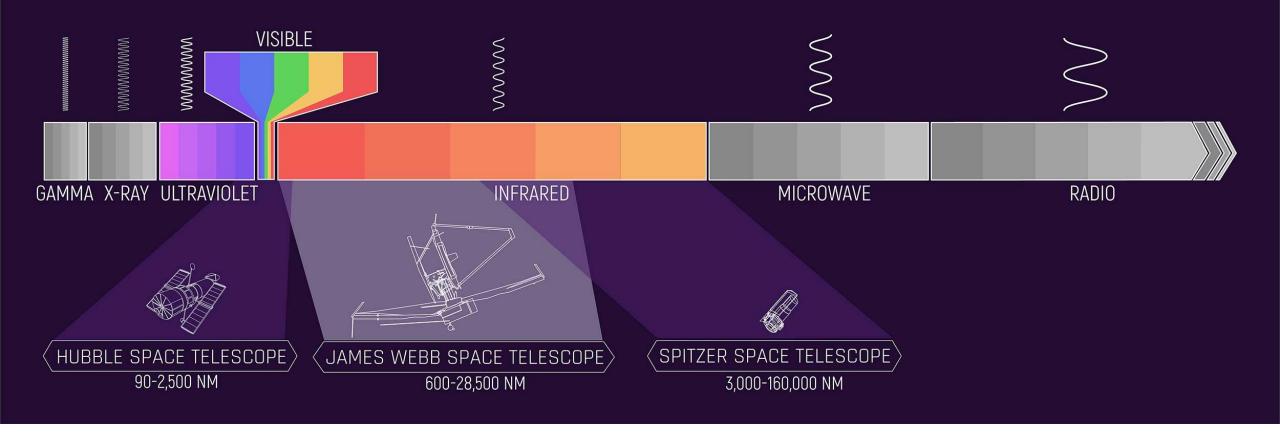


3.6m Devasthal Optical Telescope

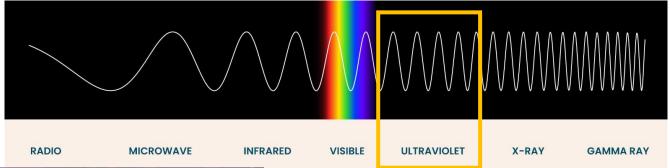




ELECTROMAGNETIC SPECTRUM

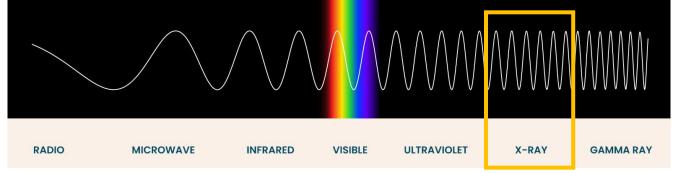


Ultraviolet Telescope





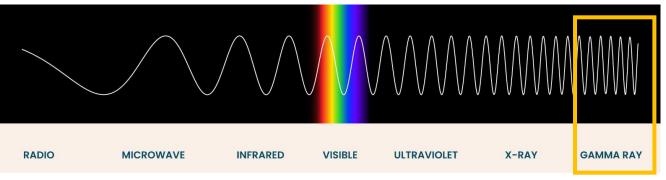
X-ray Telescope





γ- Ray Telescope





FERMI Telescope