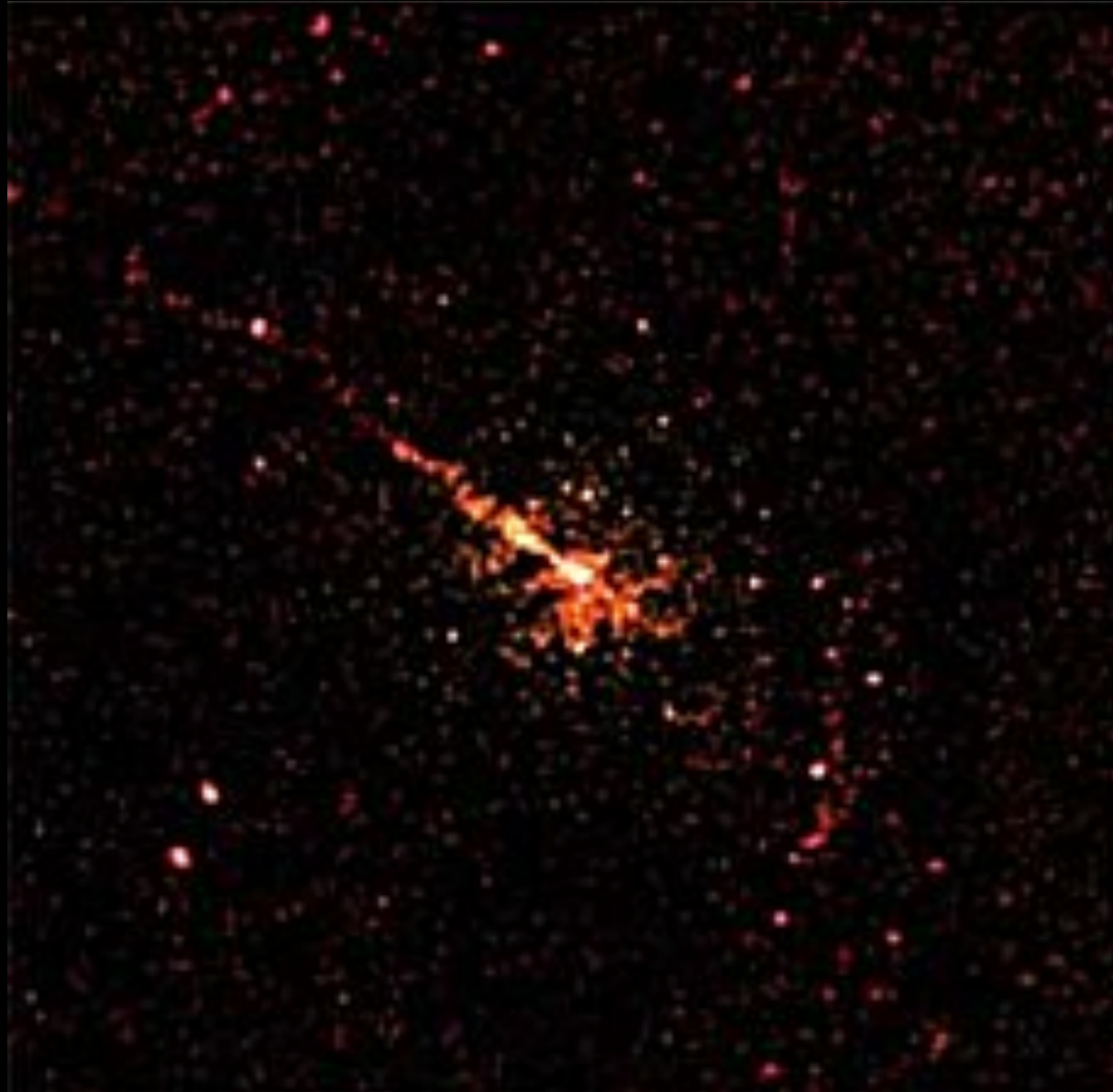
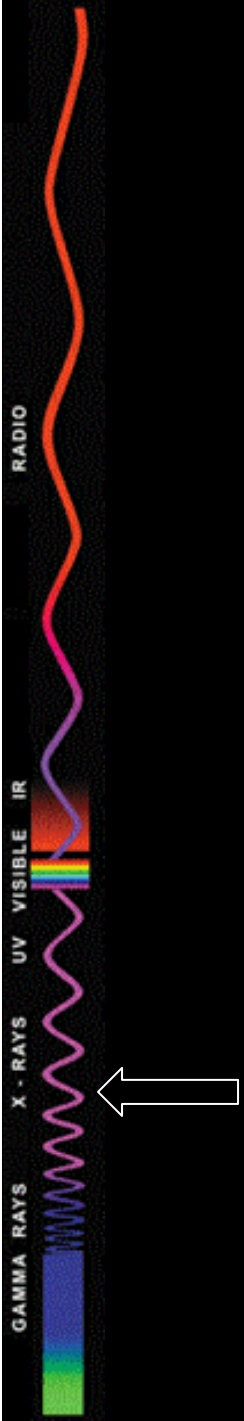


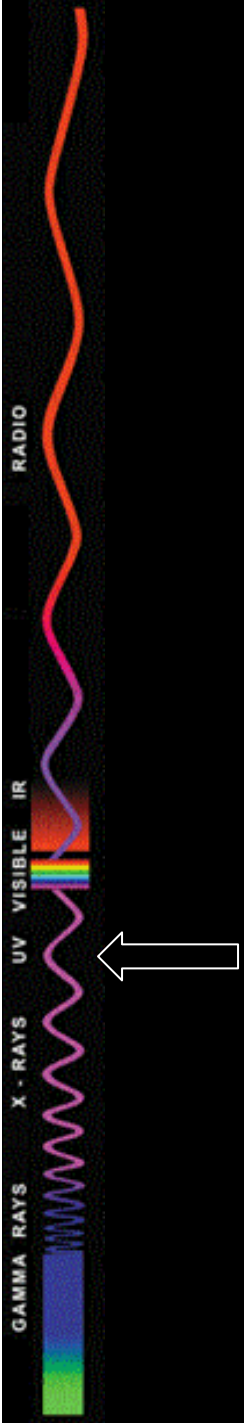
# Multiwavelength Astronomy:

Examples of Astronomy Observations  
Made with Different Kinds of Light

# X-ray



# Ultraviolet

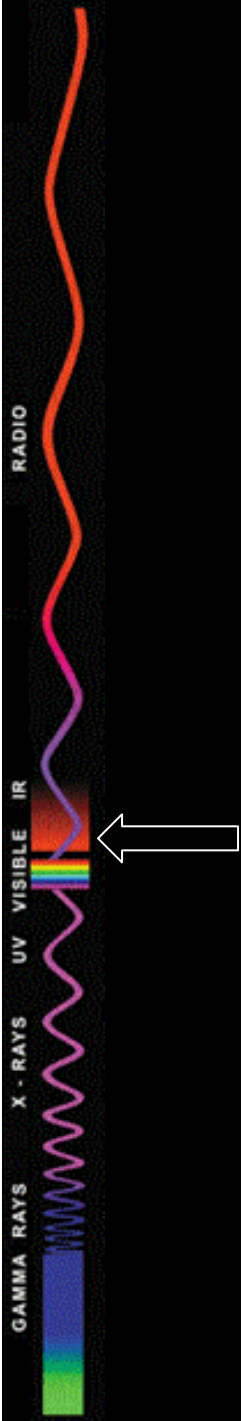




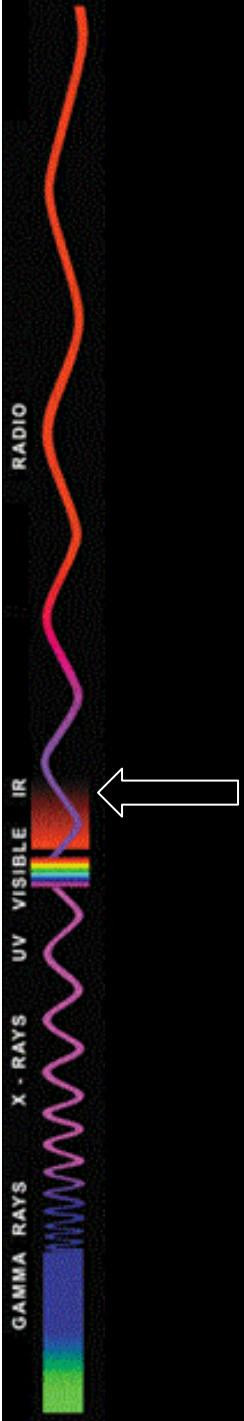
# Visible Light



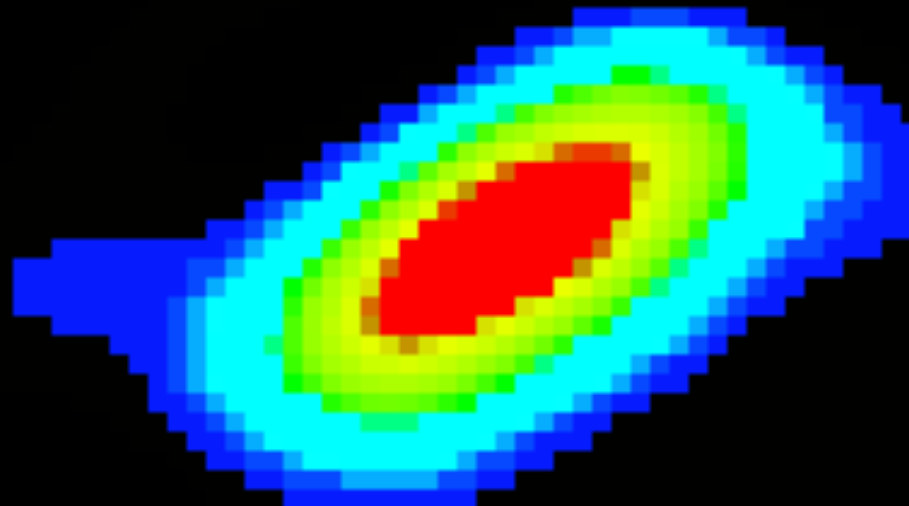
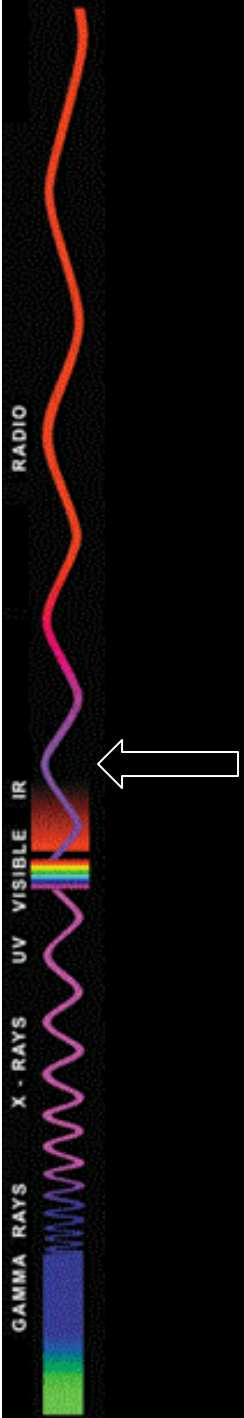
# Near-Infrared



# Mid-Infrared

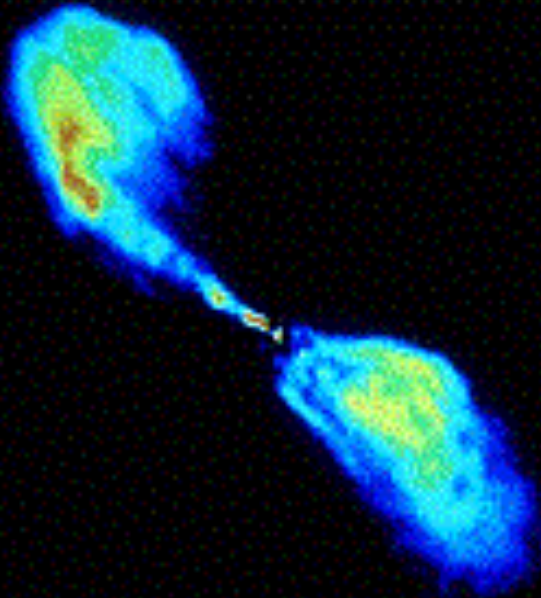
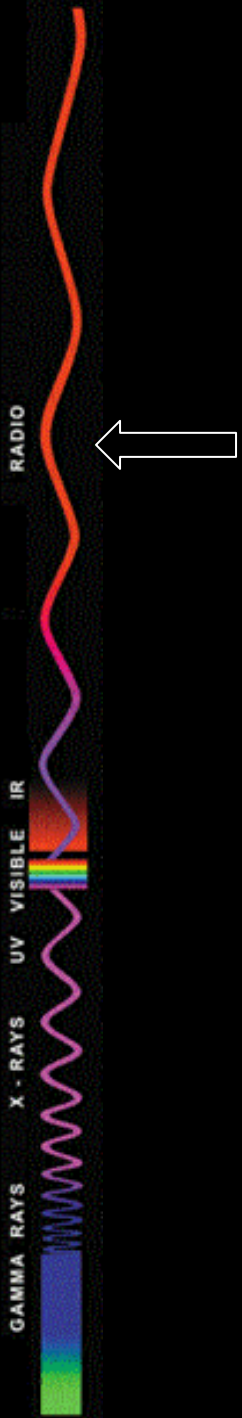


# Far-Infrared





# Radio





These are all observations of the same object: the galaxy Centaurus A.

When all of these observations are combined, a more complete picture of this galaxy forms...



# Visible Light





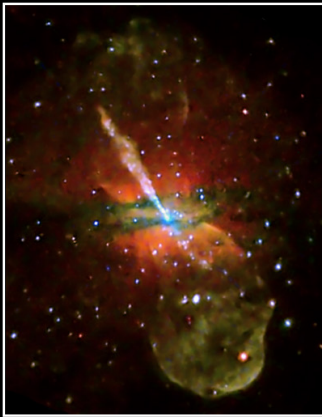
The radio plumes  
of Cen A are  
 $\sim 20\times$  the size of  
the full Moon.





# Multiwavelength Views of Cen A

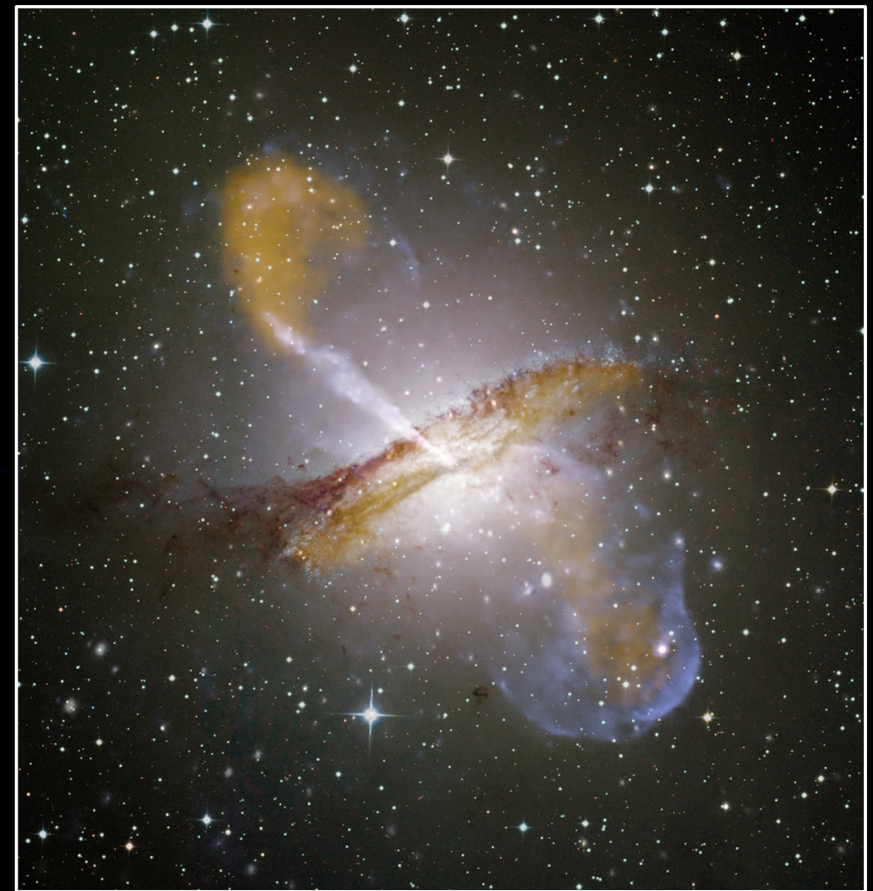
X ray



UV



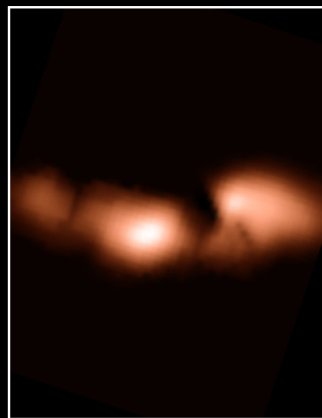
Optical



MIR



Radiocontinuum



HI

X ray + Optical + Submillimetre + Radio Composition

Venus:

The Penetrating Power of Different  
Wavelengths

# Ultraviolet

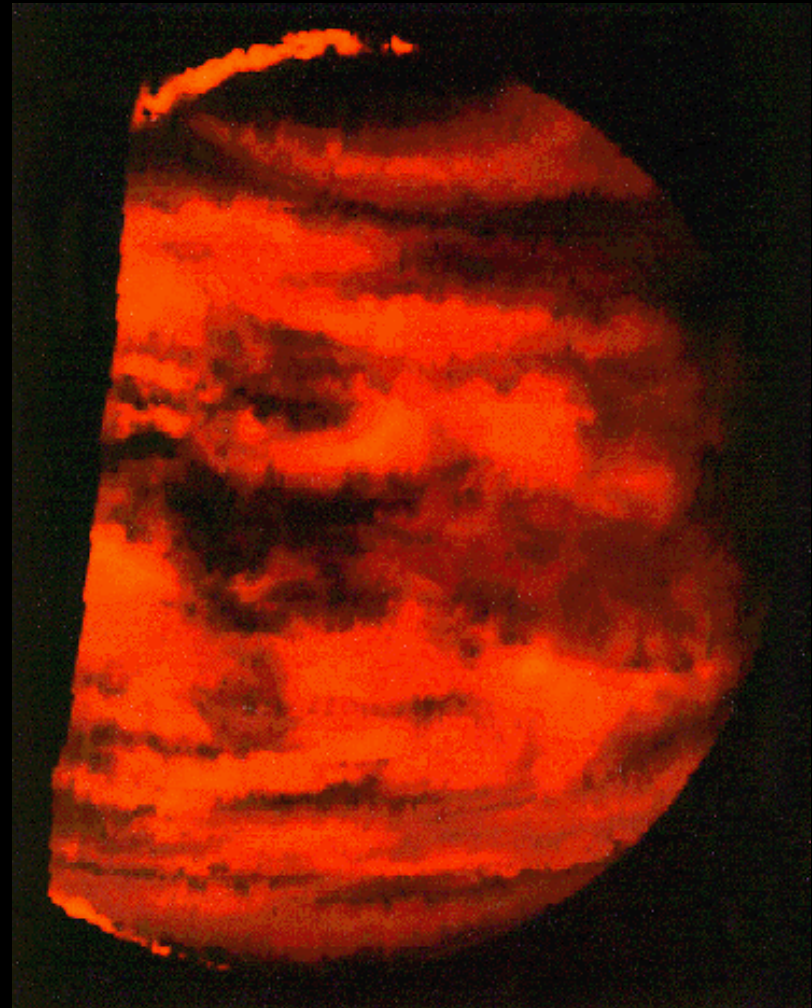
- Reveals the thick, dense upper atmosphere





# Infrared

- Reveals the clouds of sulfuric acid (dark areas) lower in the atmosphere





# Radio

- Reveals the surface of the planet

