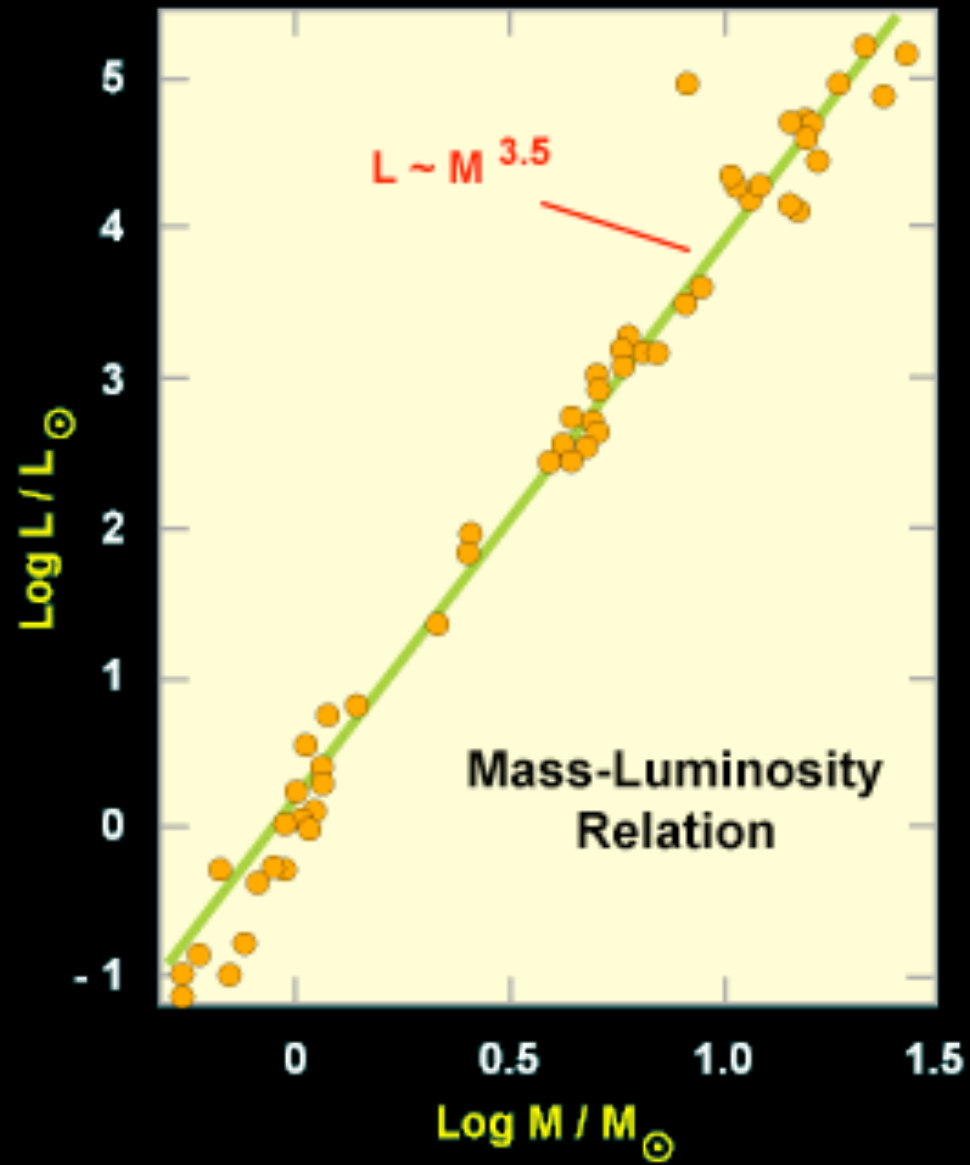
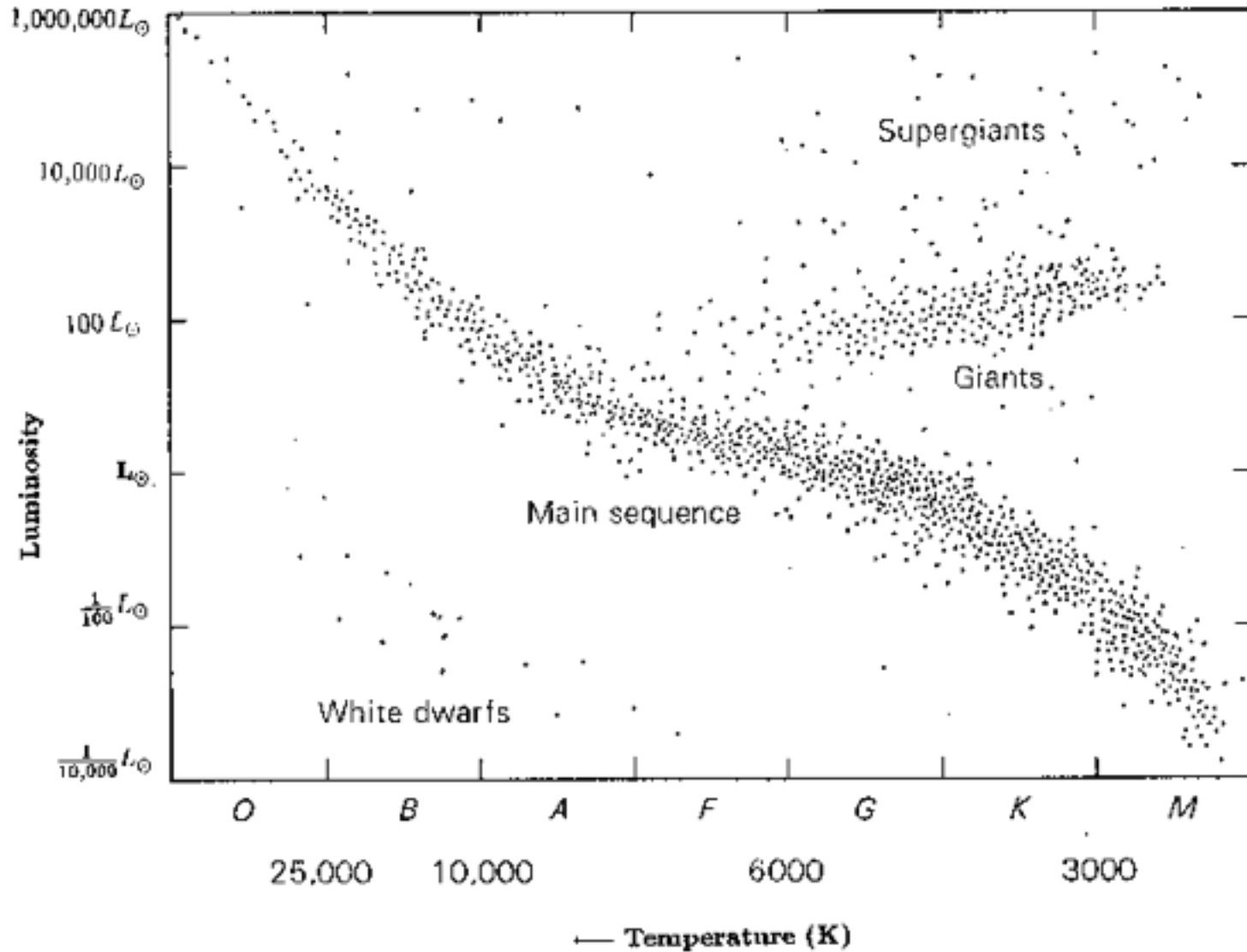


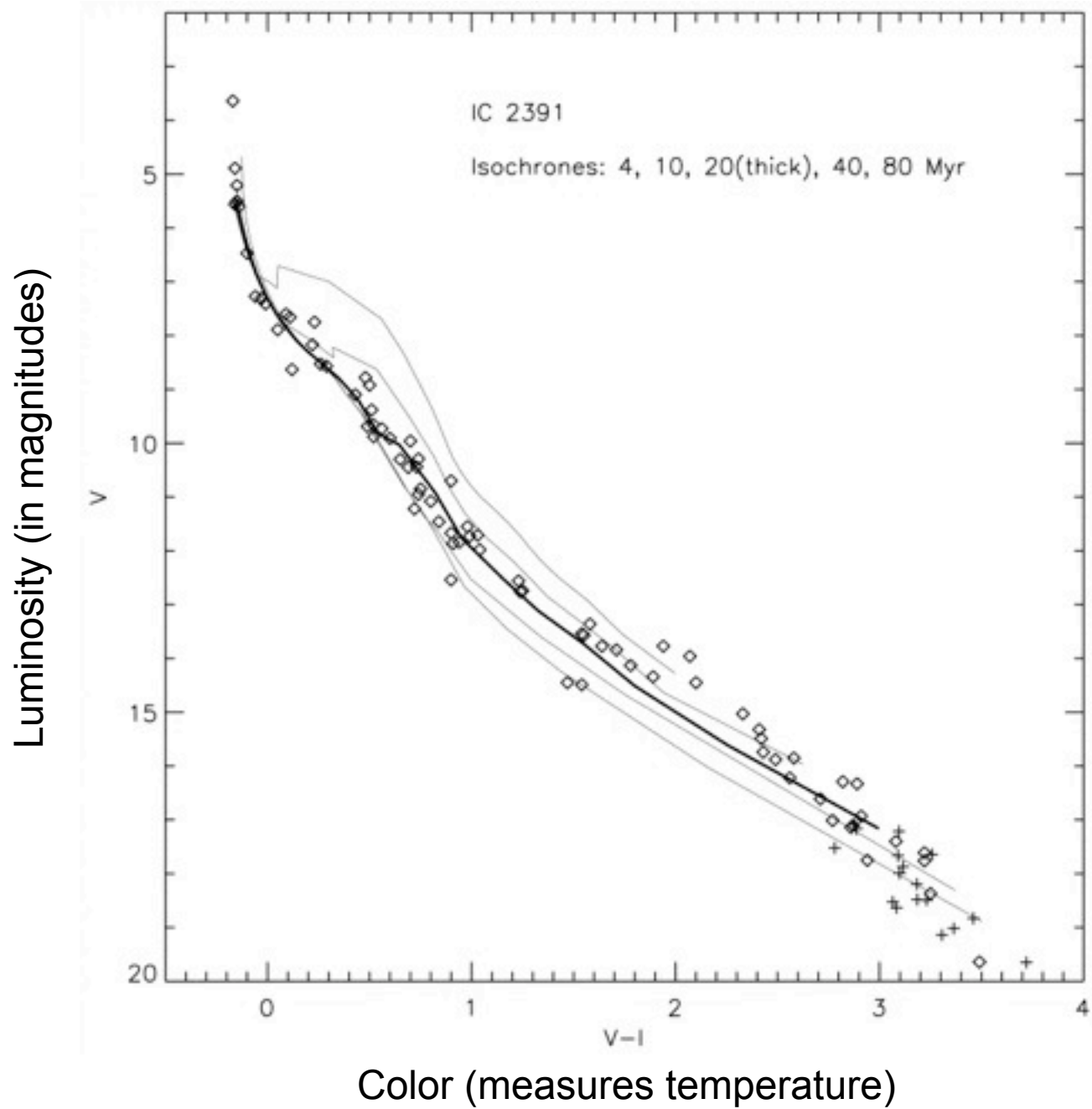
# Astro 220: Galaxies and cosmology

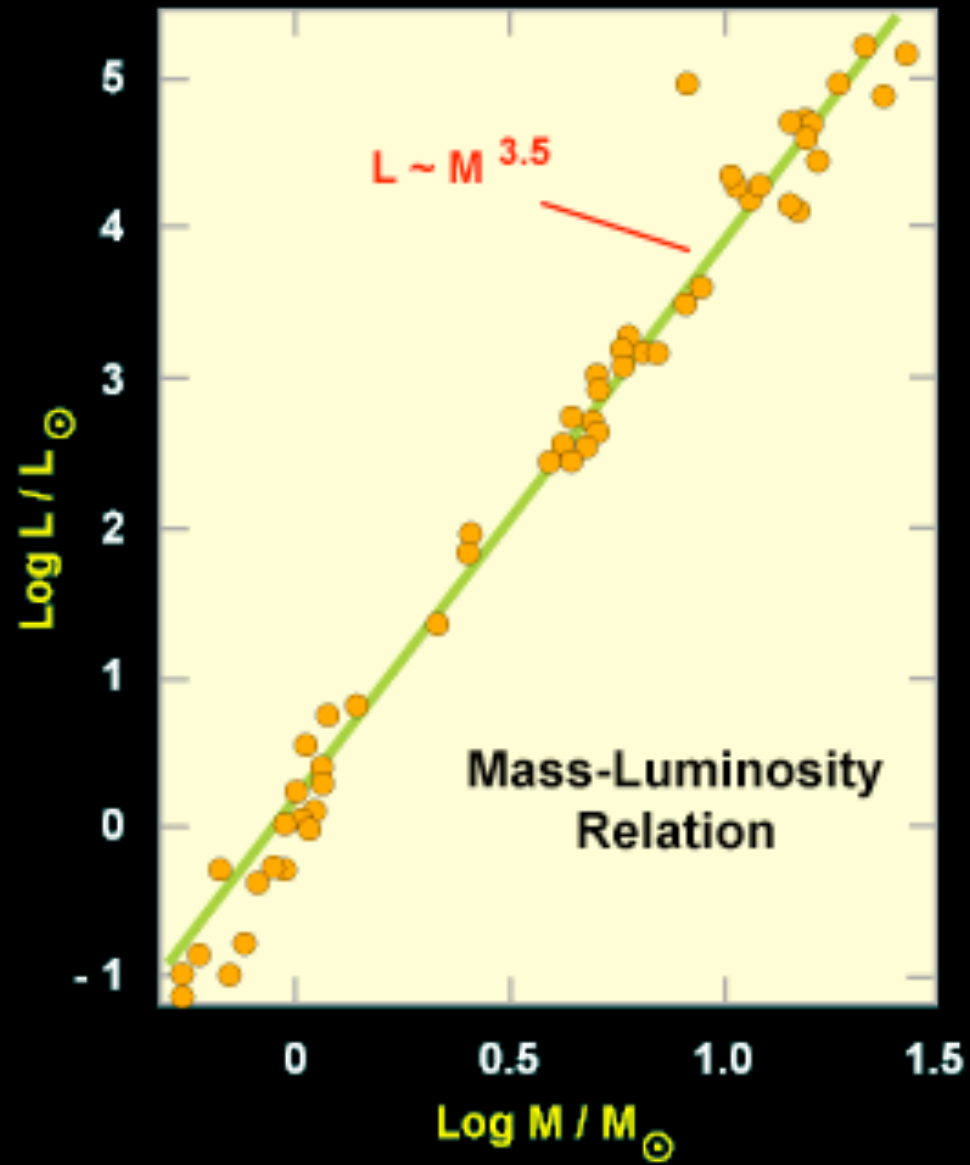
Sept 20 2010

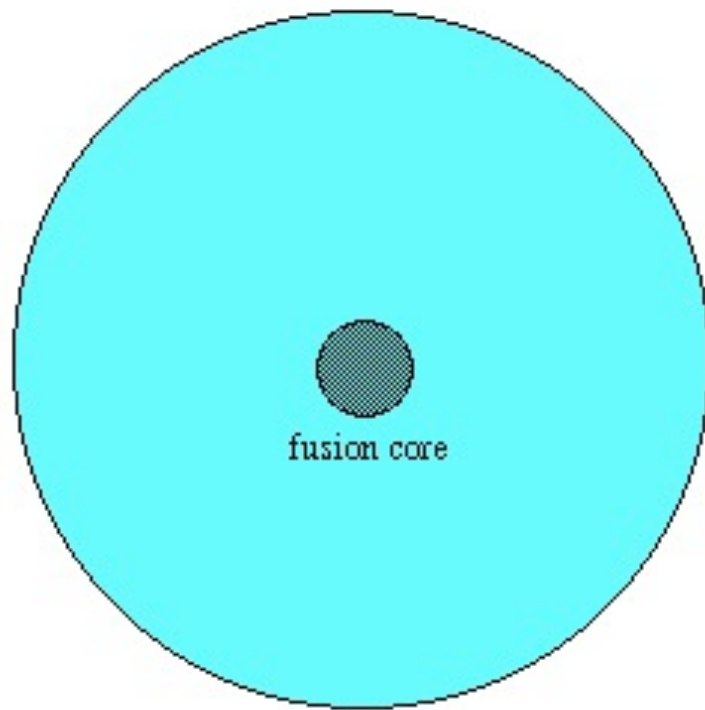


Hertzsprung-Russell Diagram for Stars in the Solar Neighborhood









fusion core

O star (60 solar radii)

G star (1 solar radii)

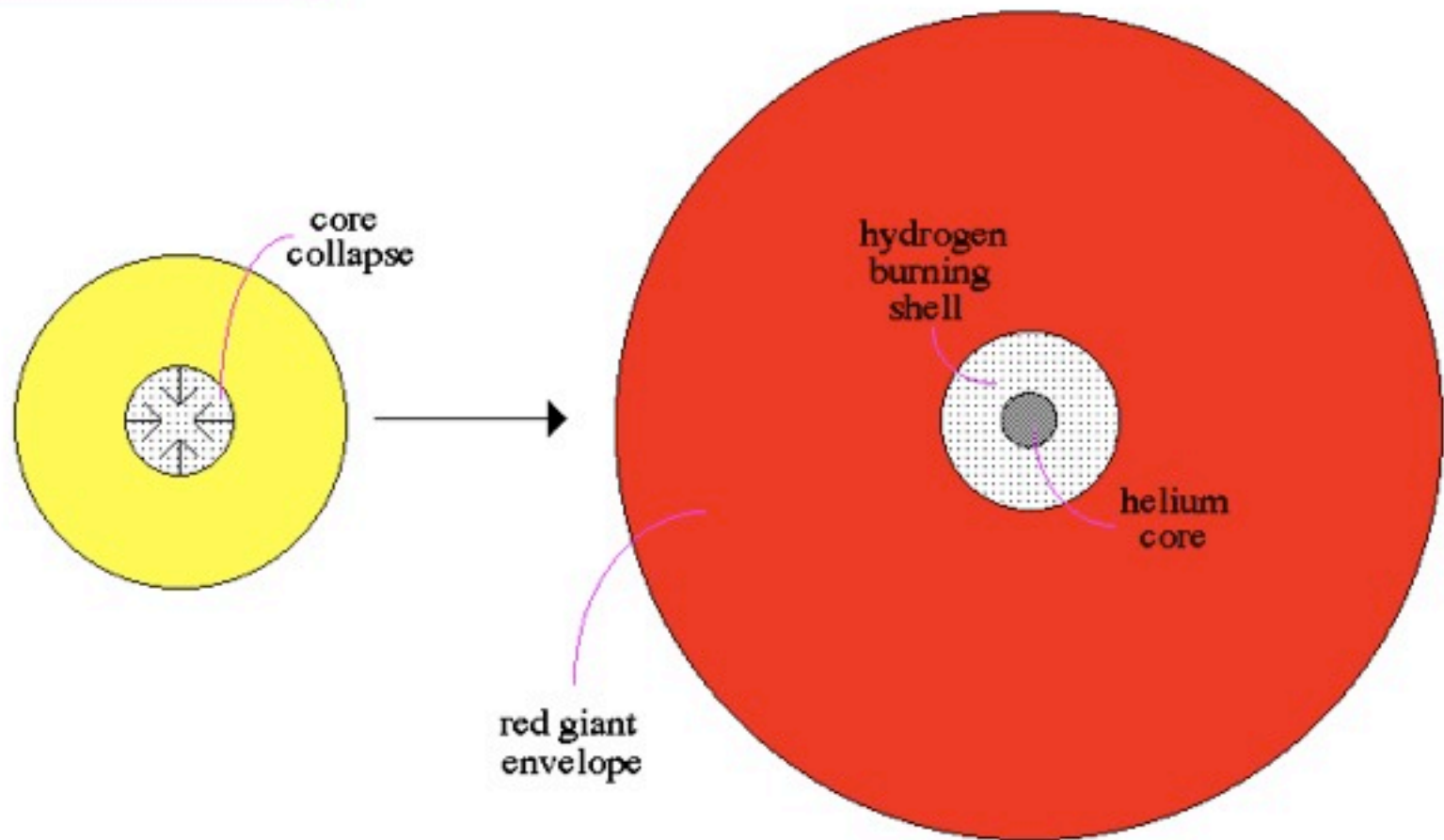


fusion core

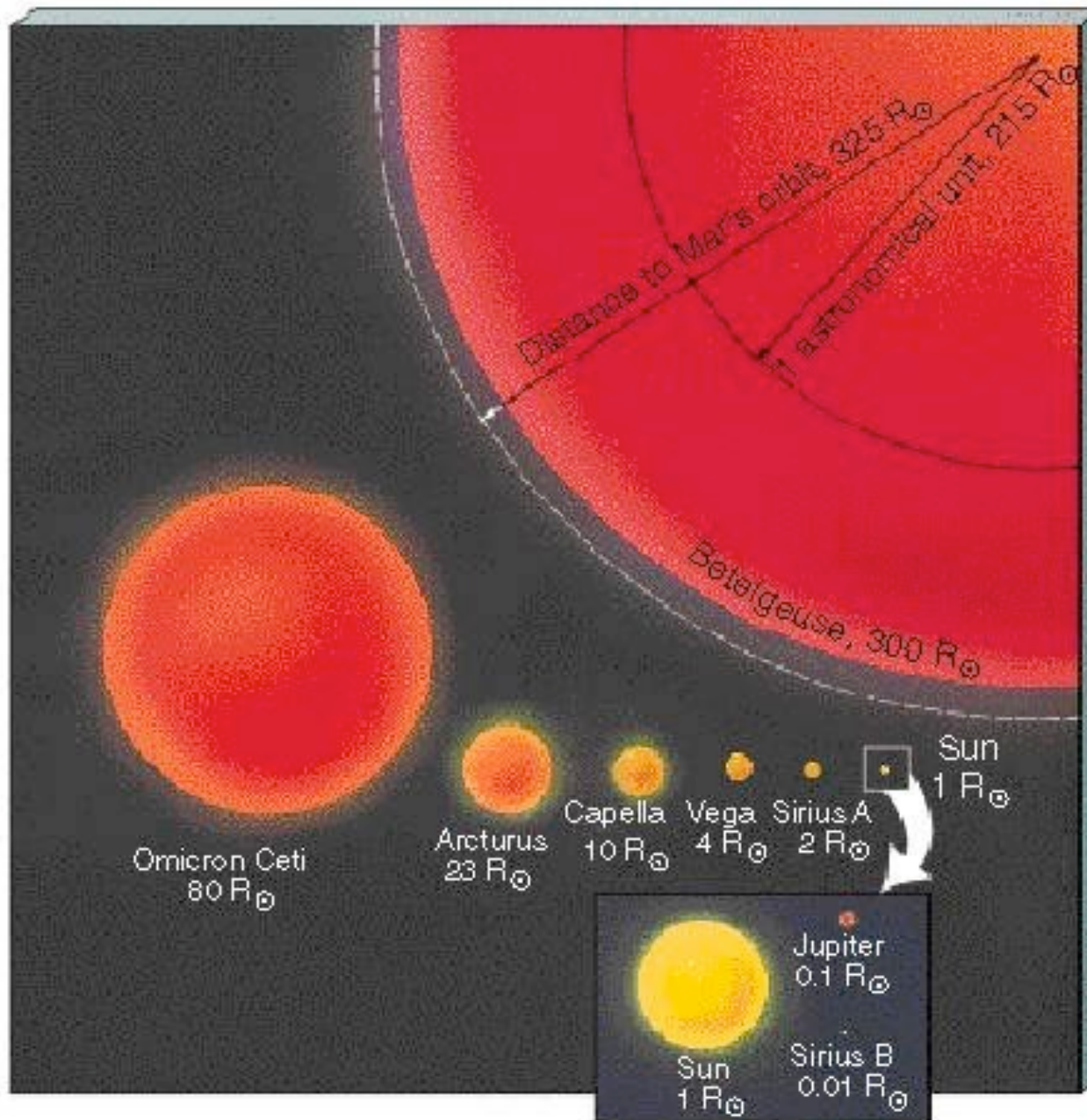


M star (0.4 solar radii)

## Hydrogen Shell Burning



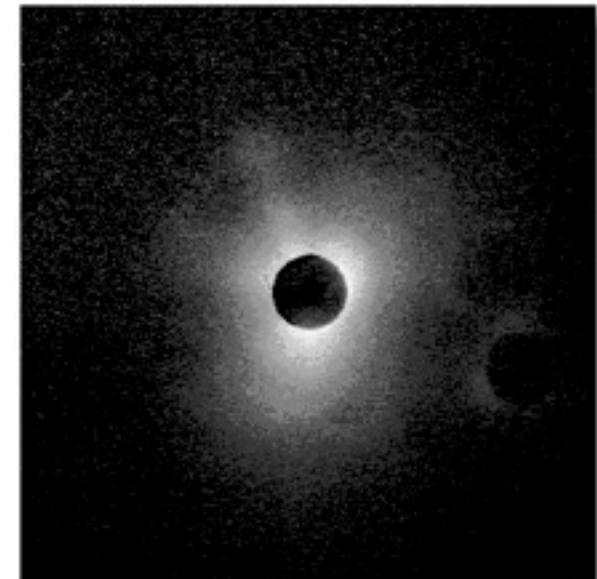
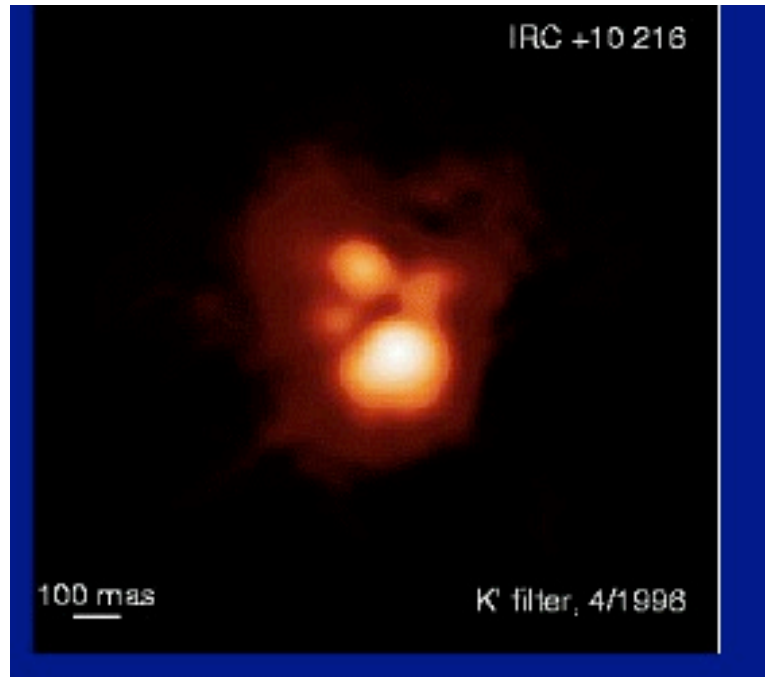








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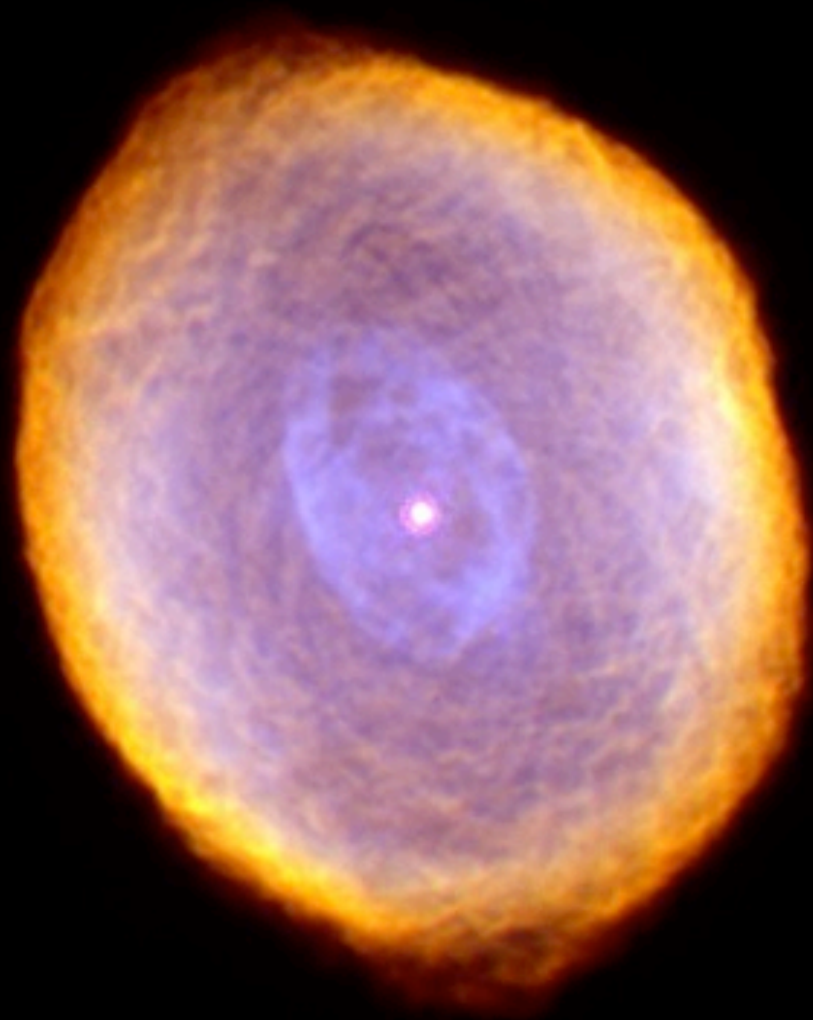


AGB and Post-AGB  
stars: high mass loss



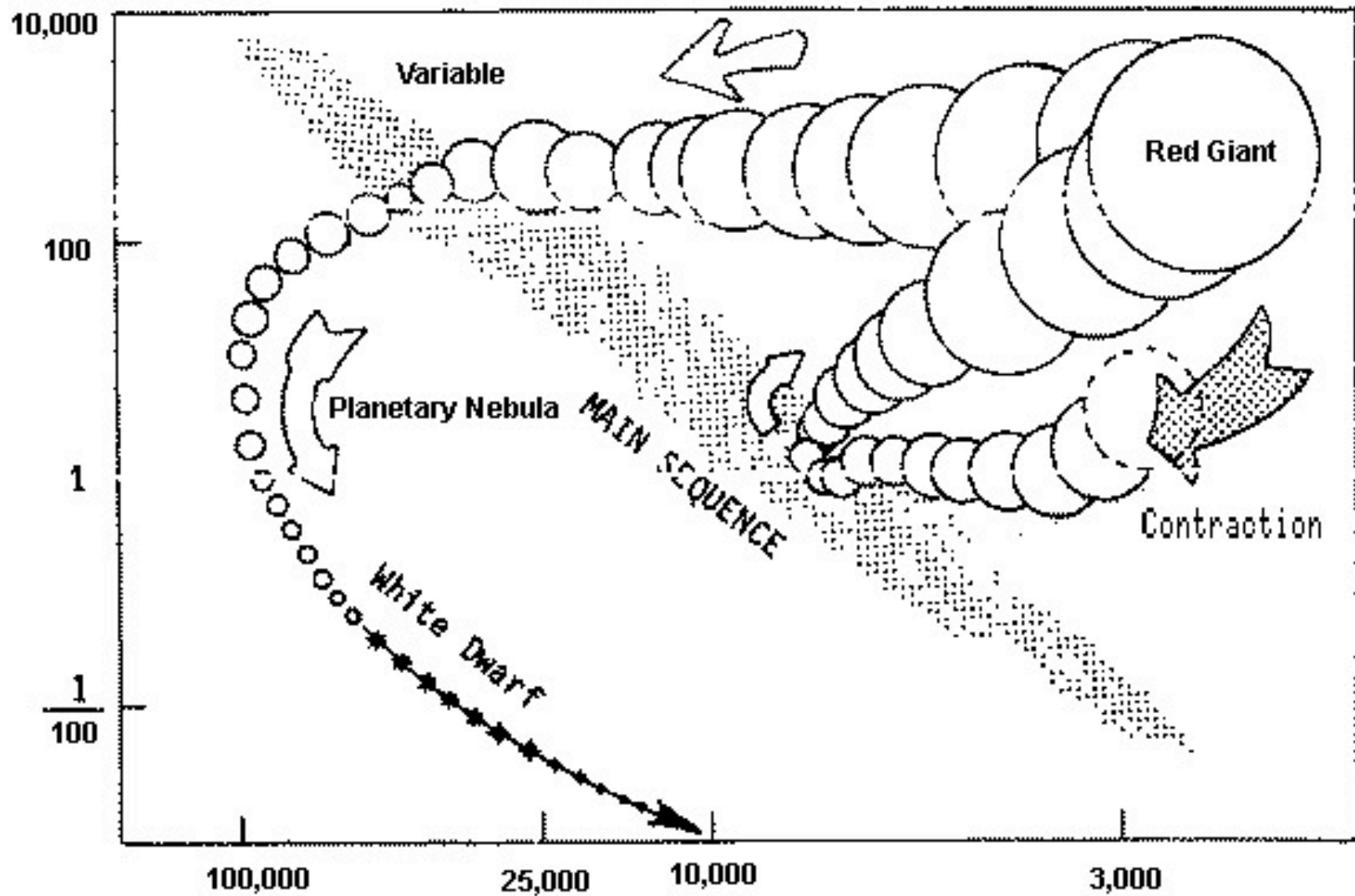


Wednesday, September 22, 2010



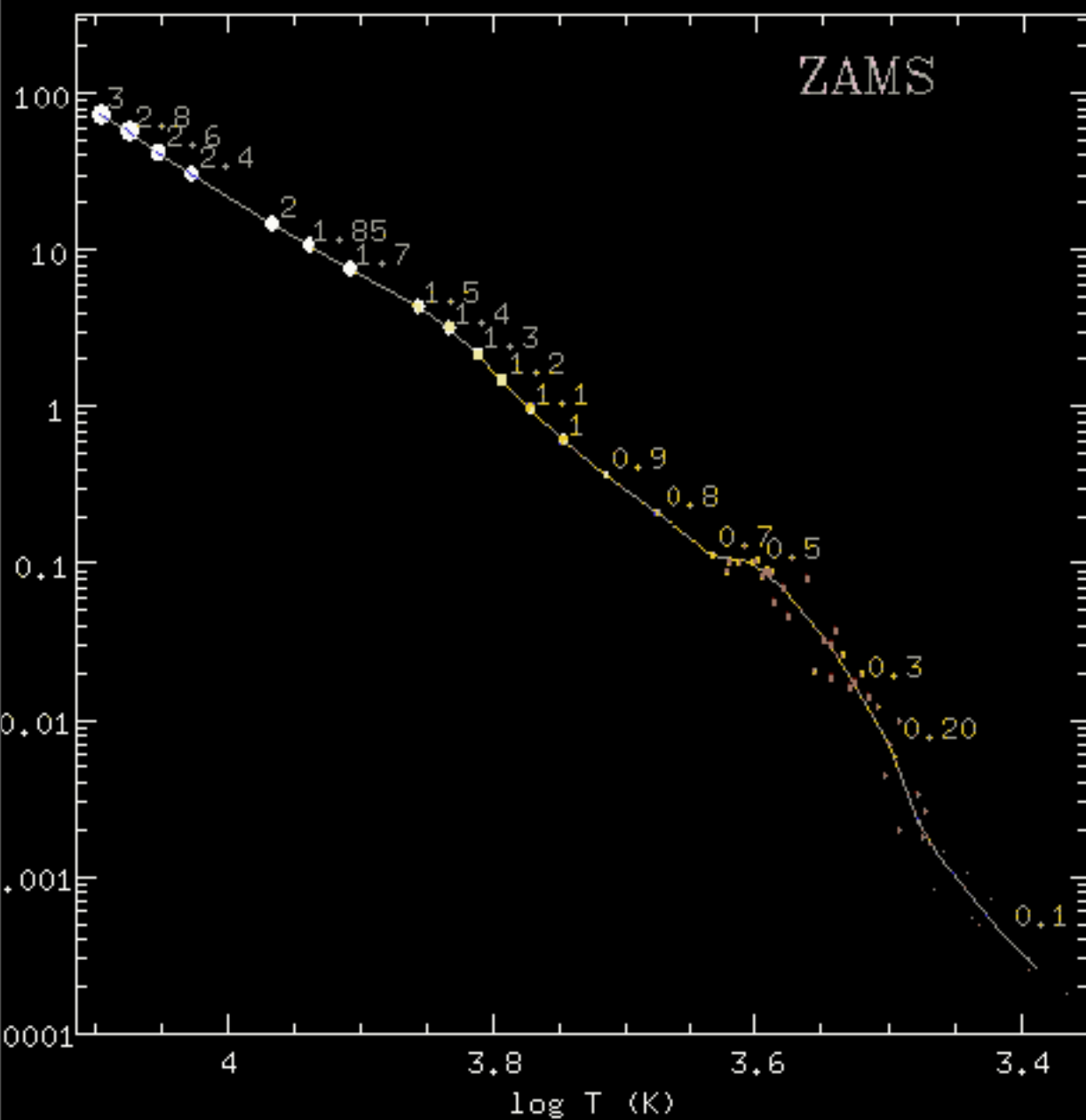


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Simplified view: no horizontal branch !





**2.6**



**1.0**

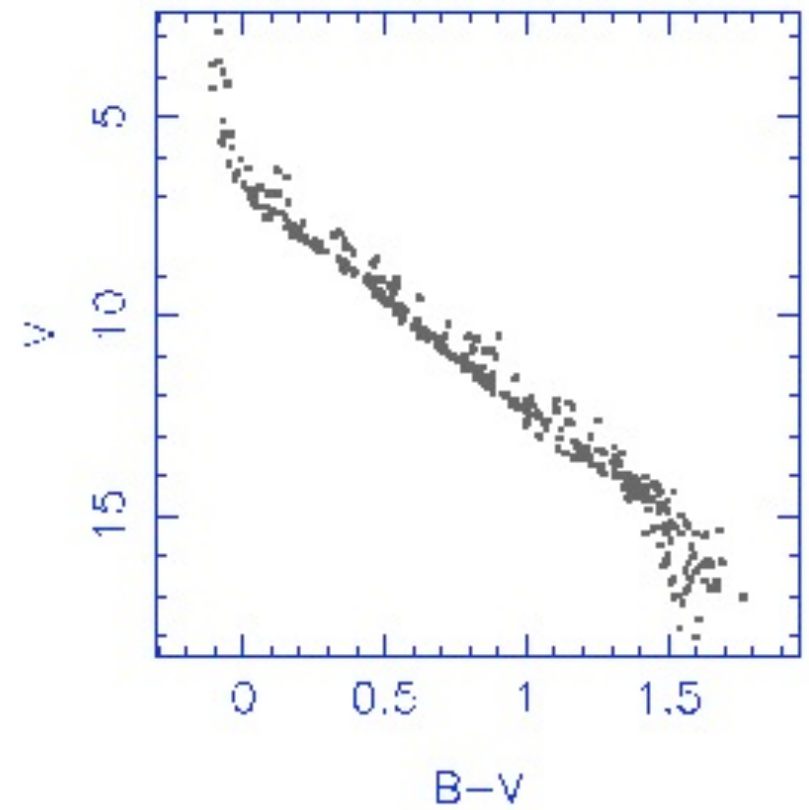


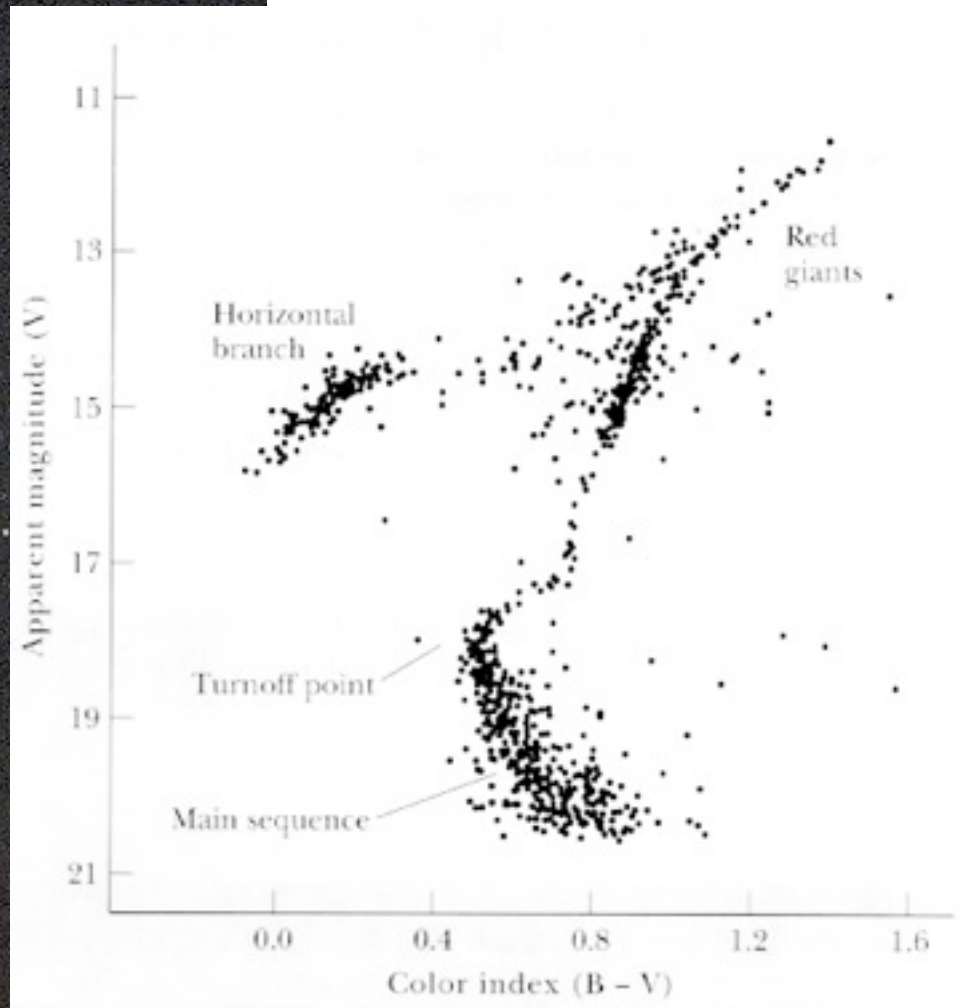
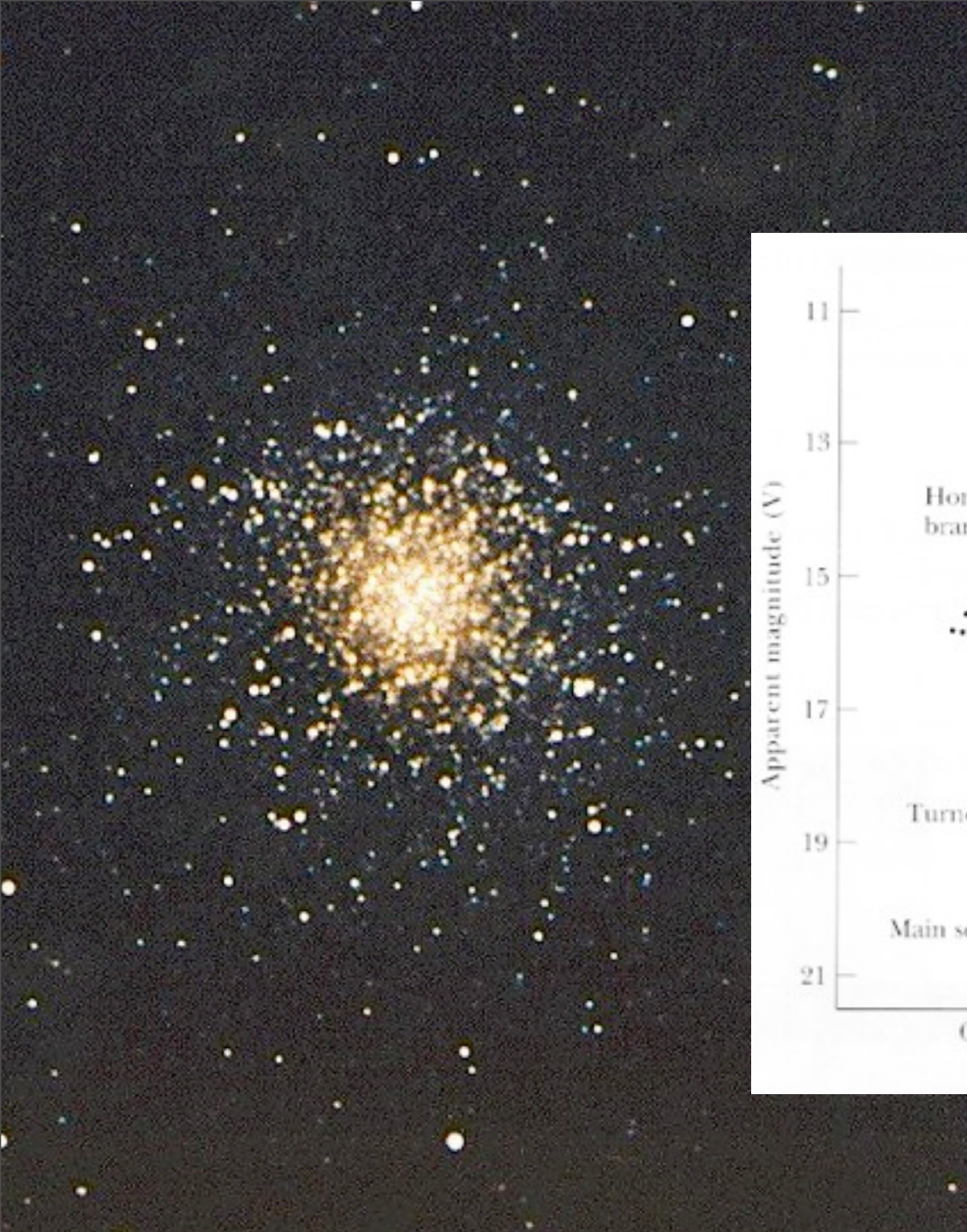
**0.7**



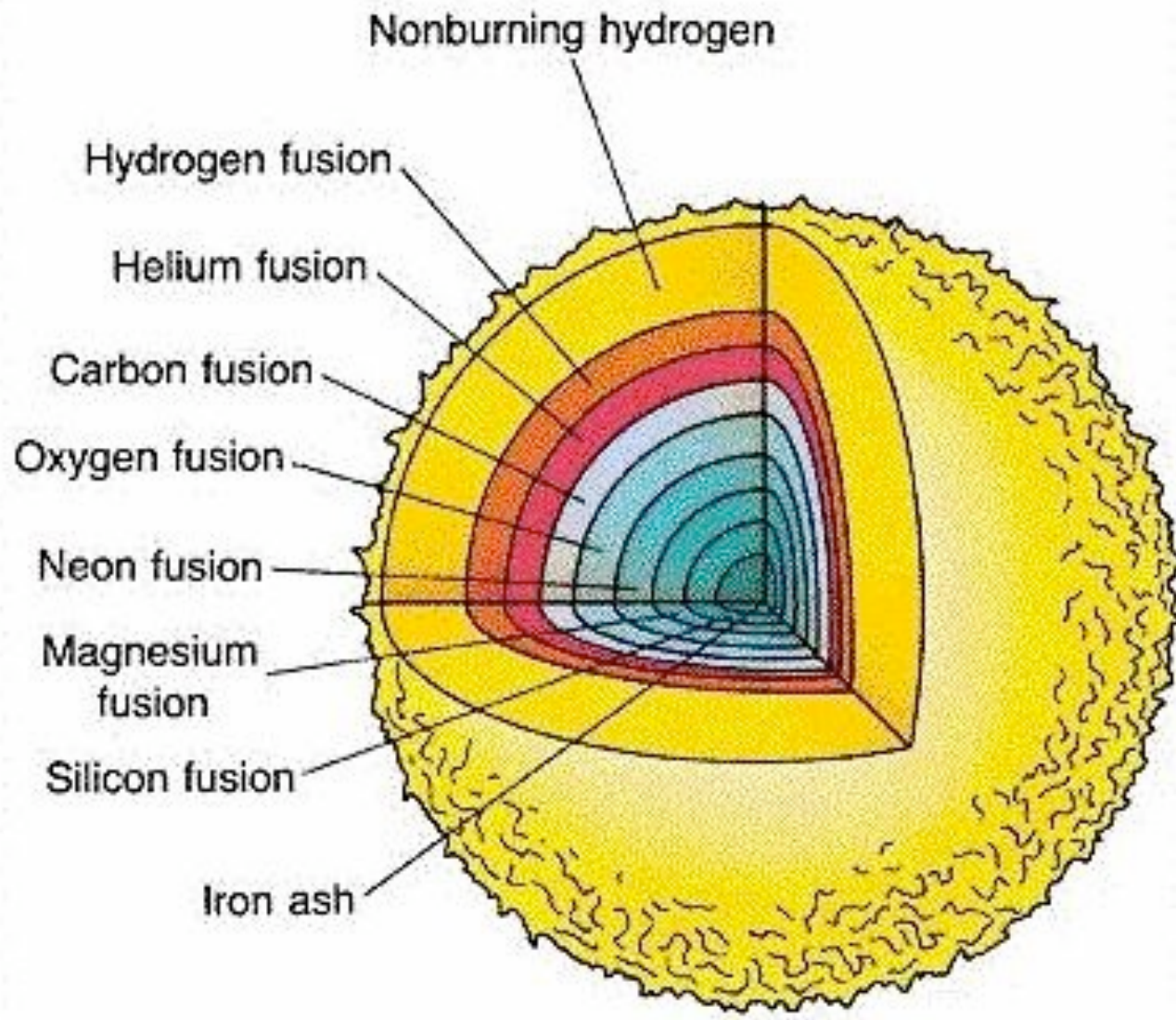


Pleiades





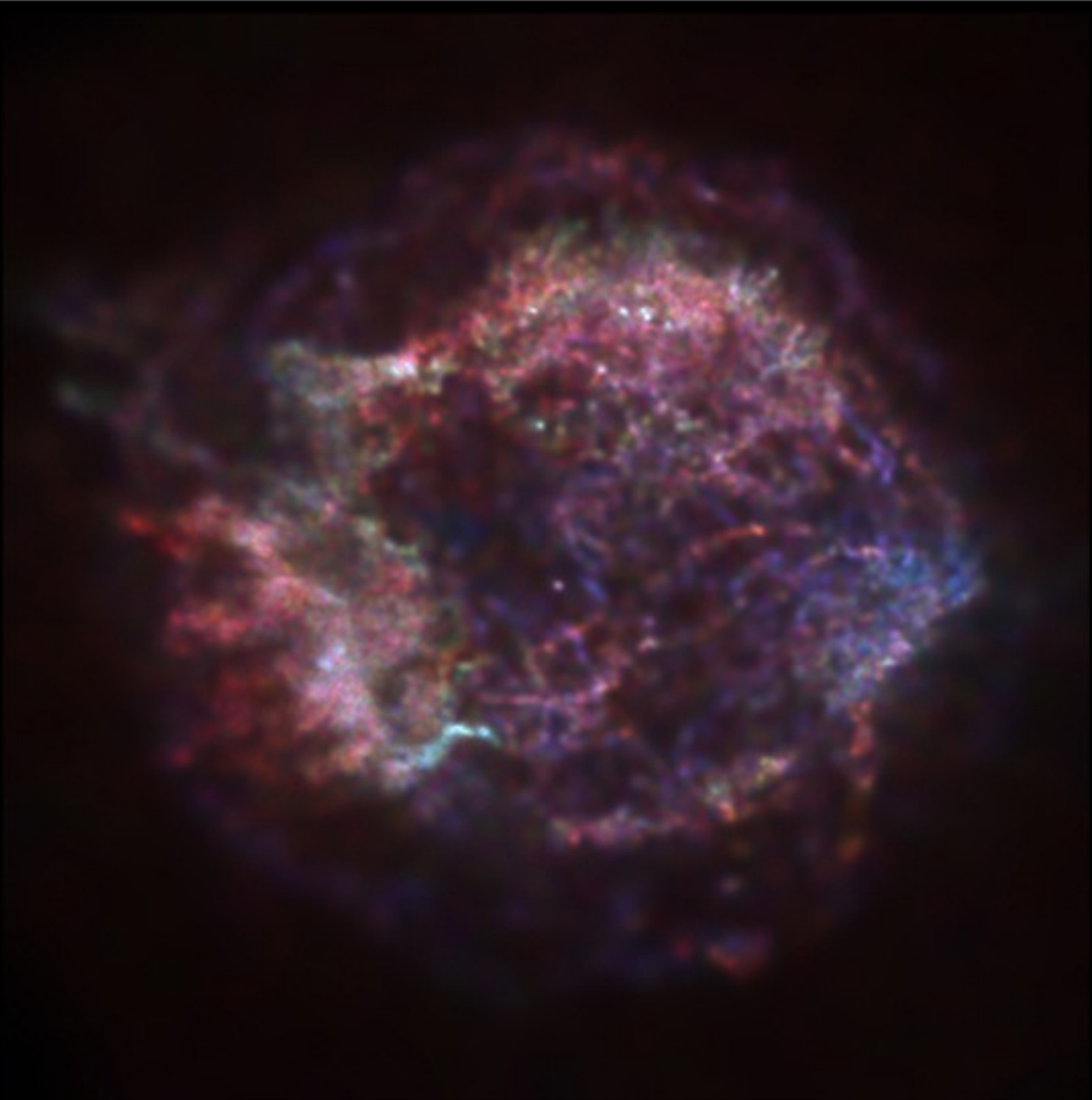






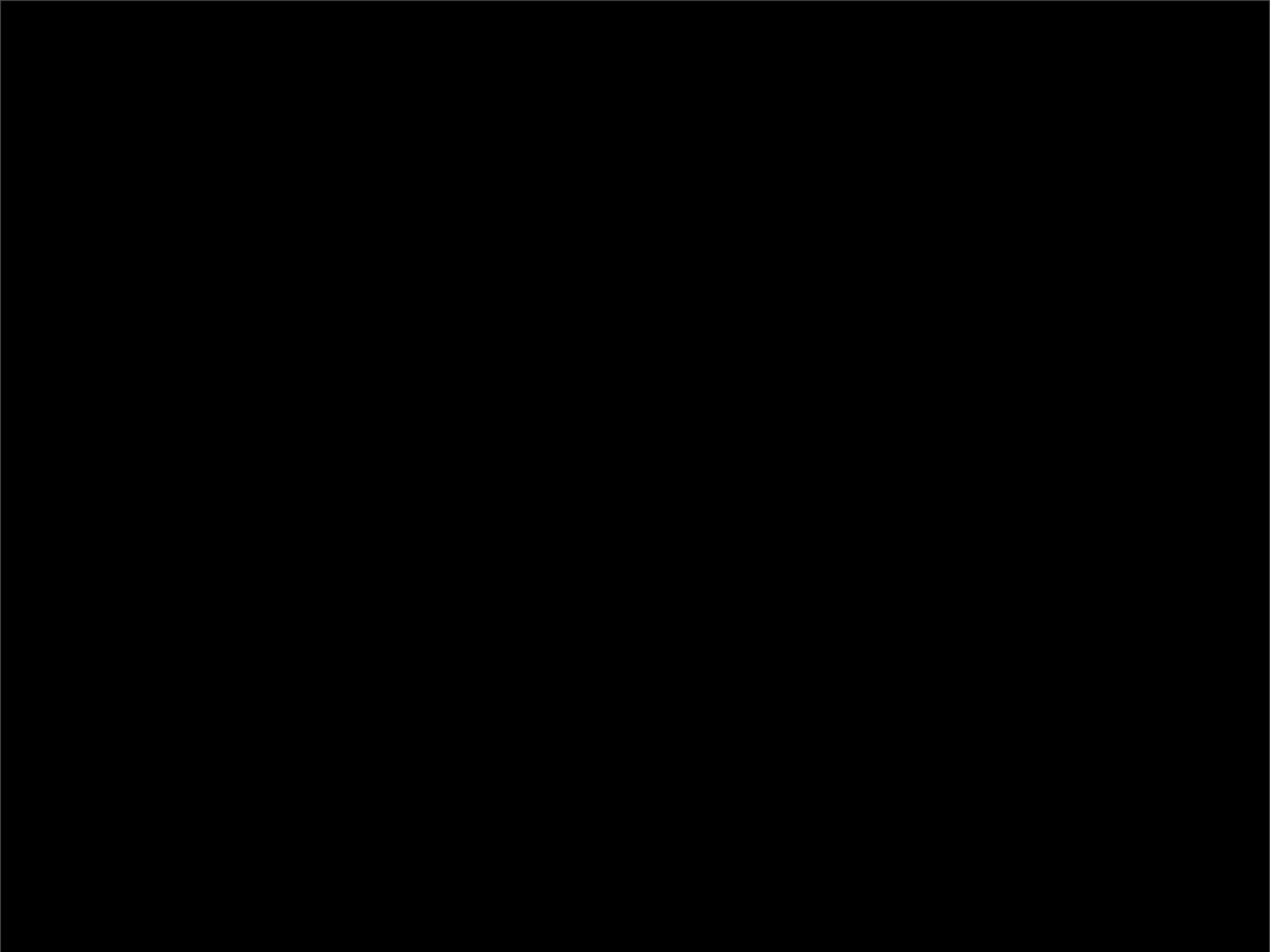


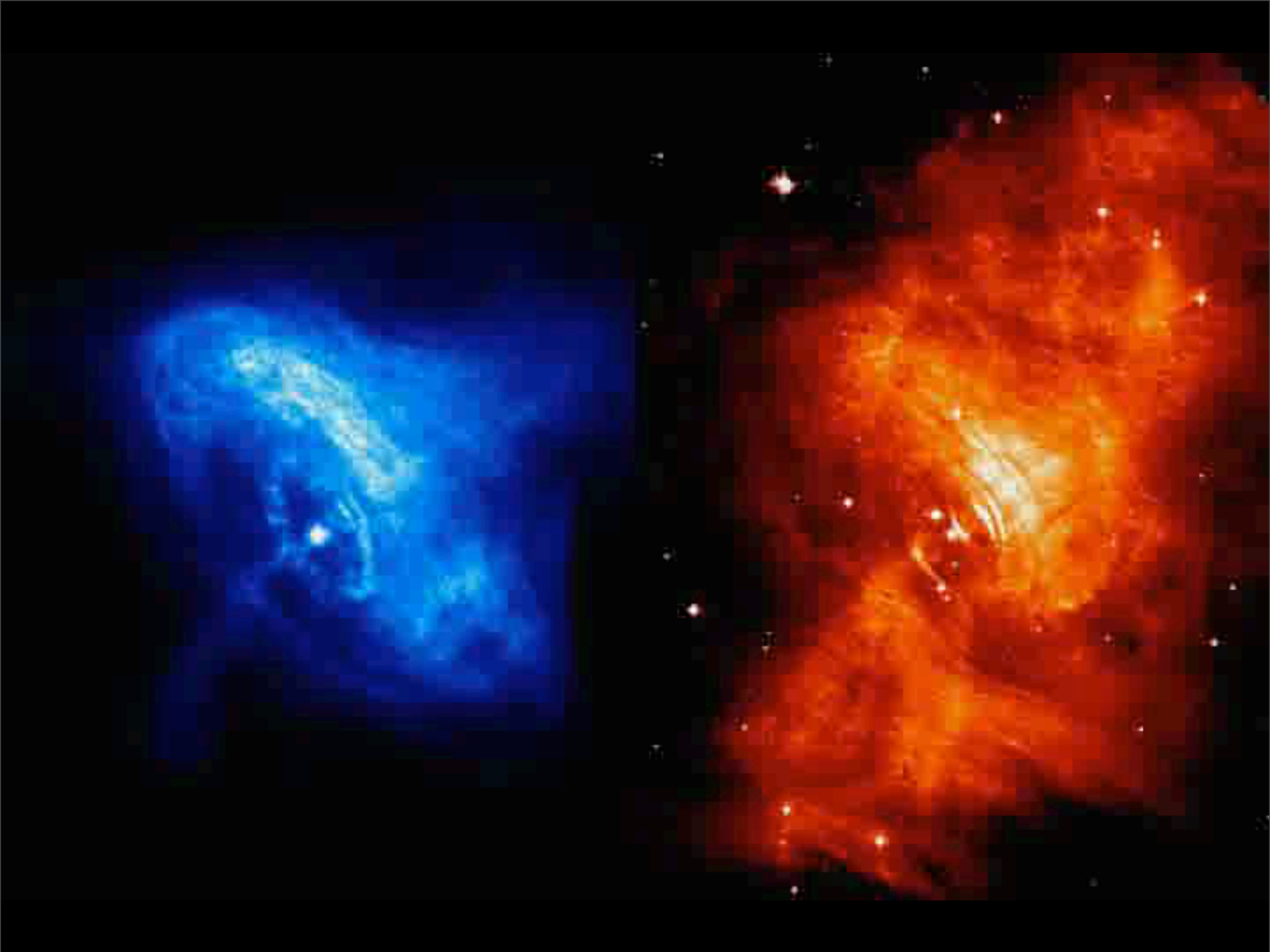
Wednesday, September 22, 2010



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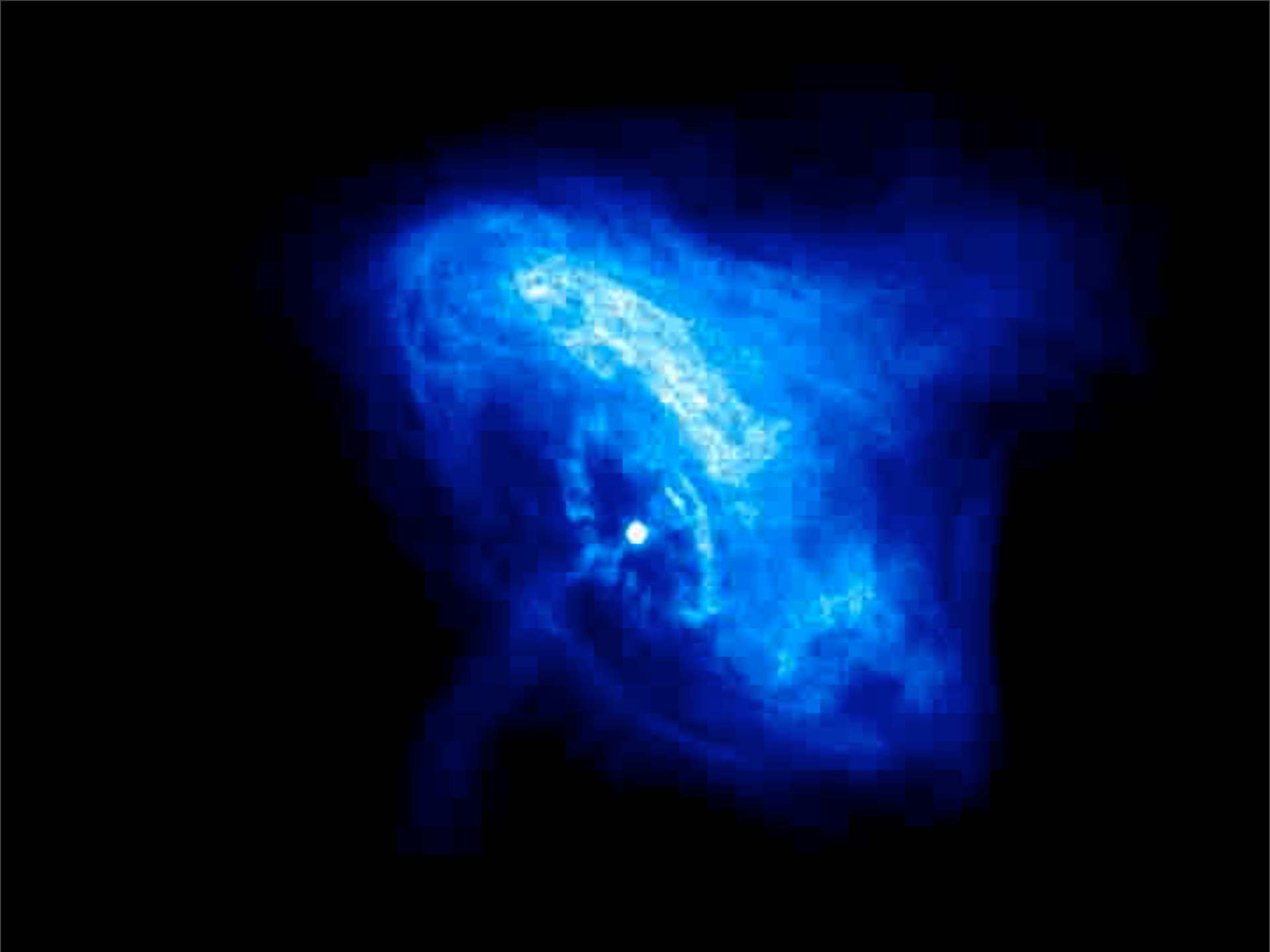






Wednesday, September 22, 2010





Wednesday, September 22, 2010