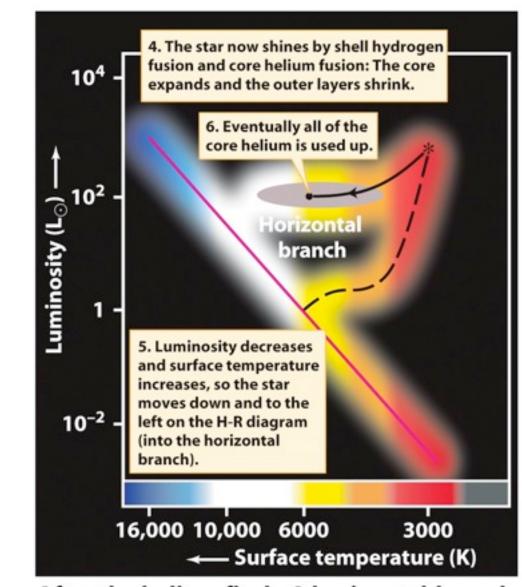
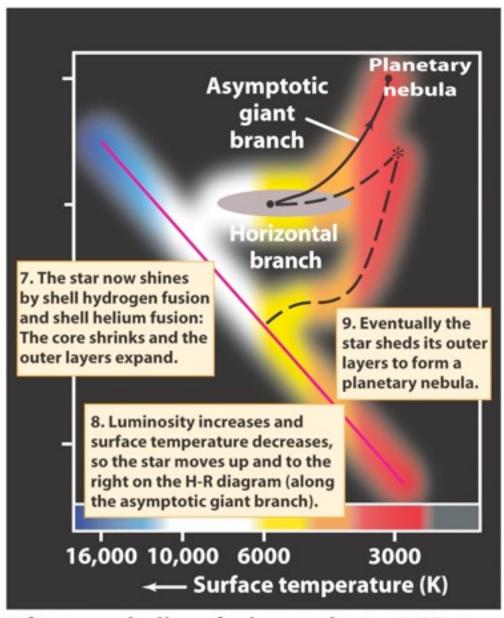


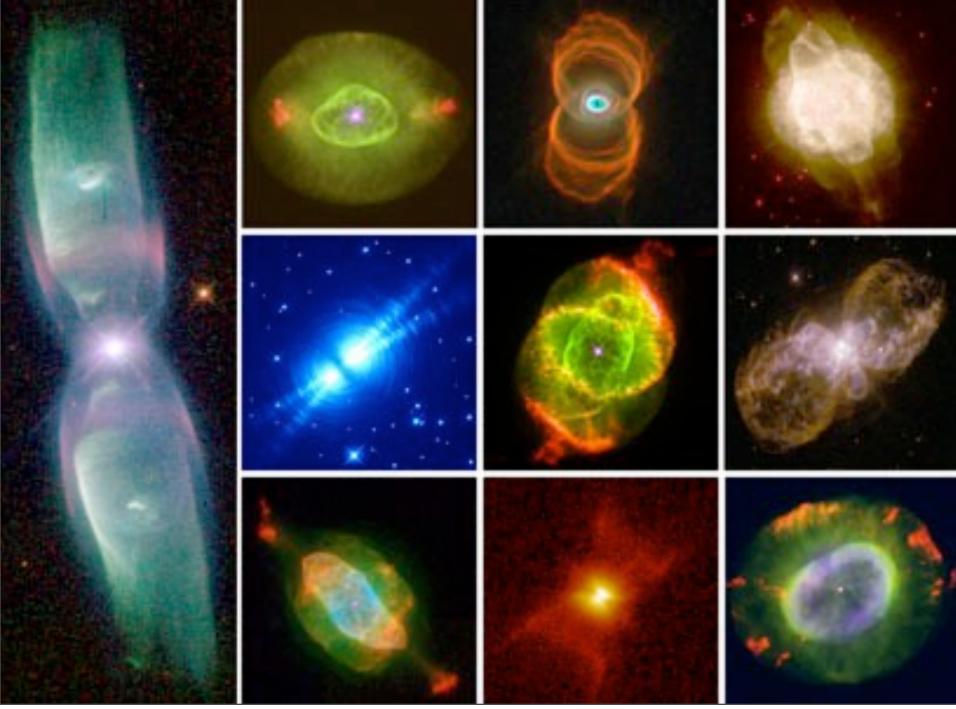
Before the helium flash: A red-giant star



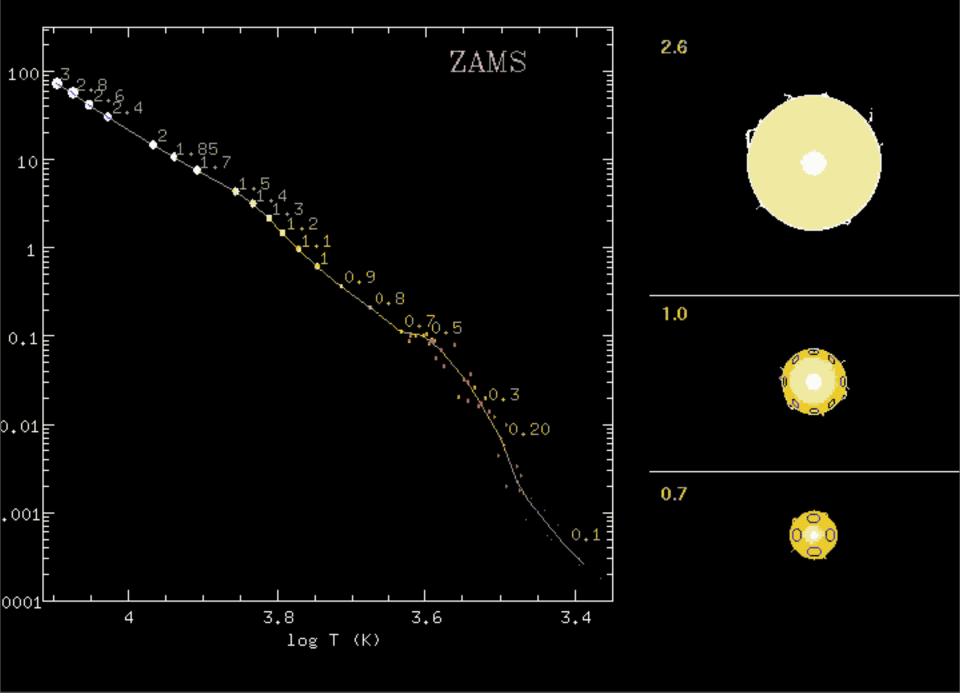
After the helium flash: A horizontal-branch star



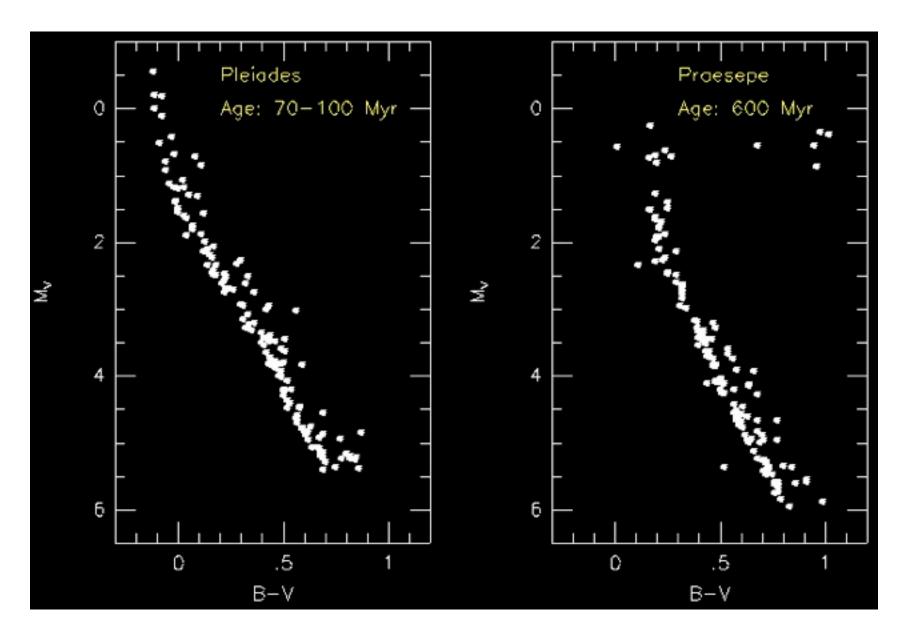
After core helium fusion ends: An AGB star



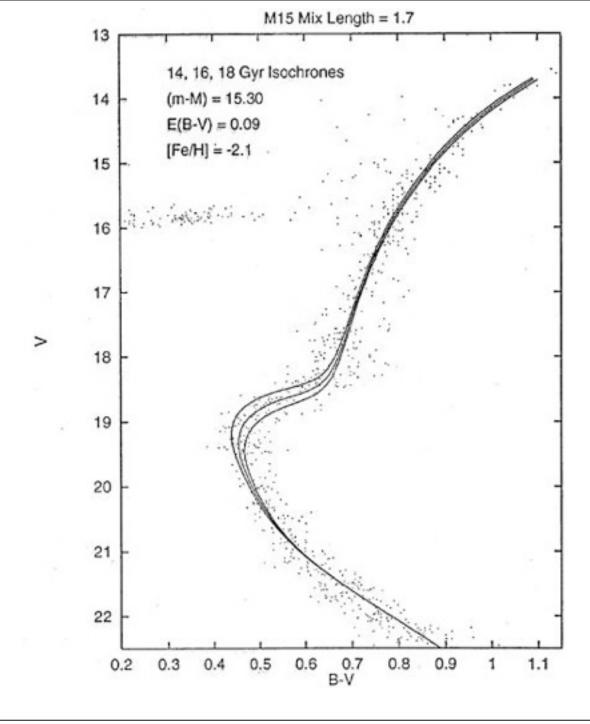
Wednesday, September 22, 2010

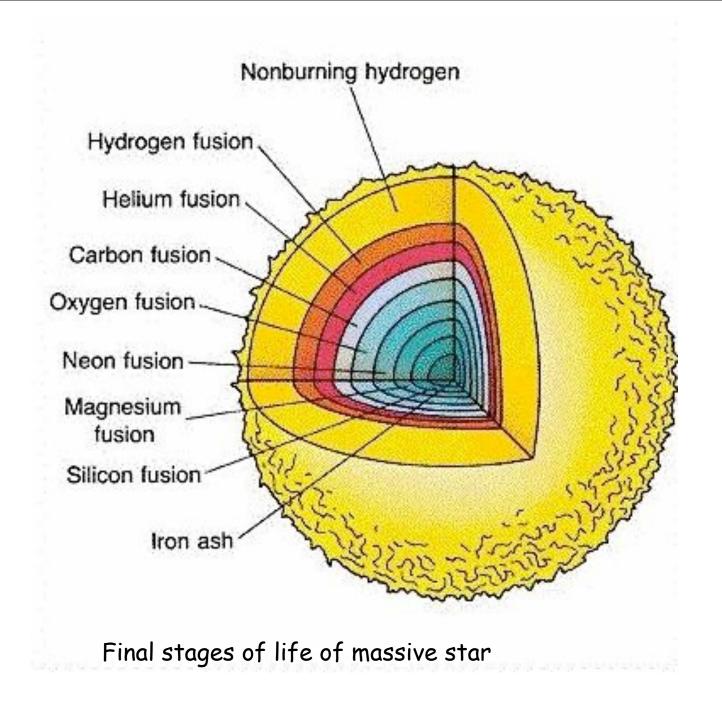


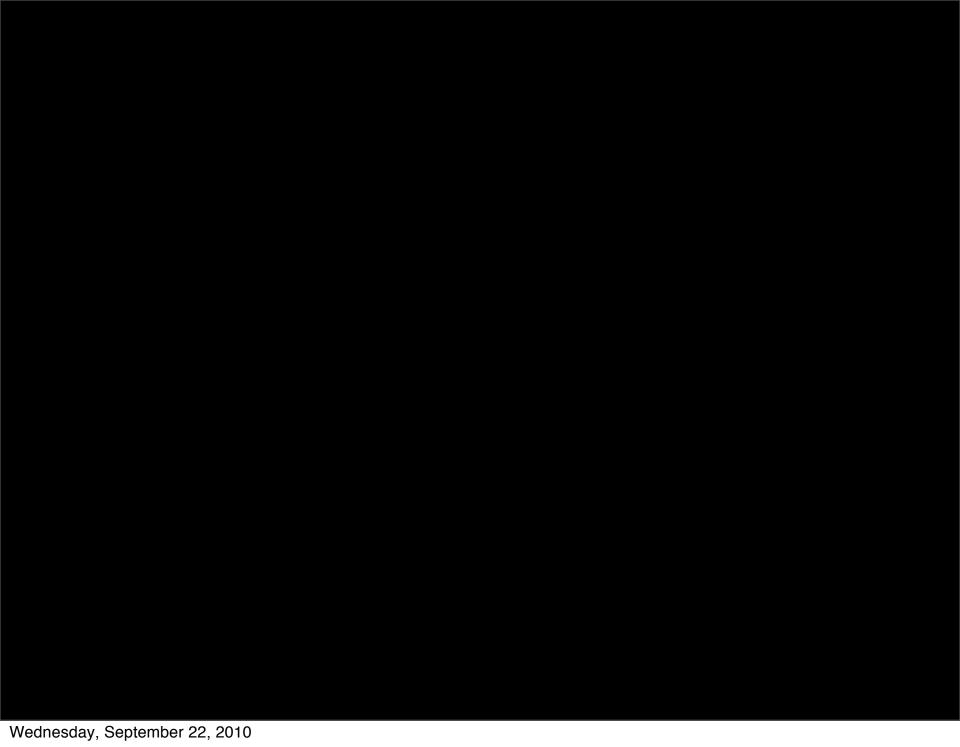
Wednesday, September 22, 2010



Can determine ages of stars from distribution in HR diagram





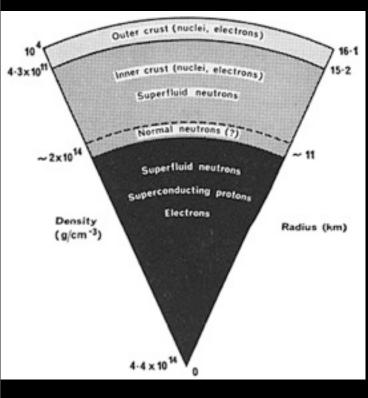


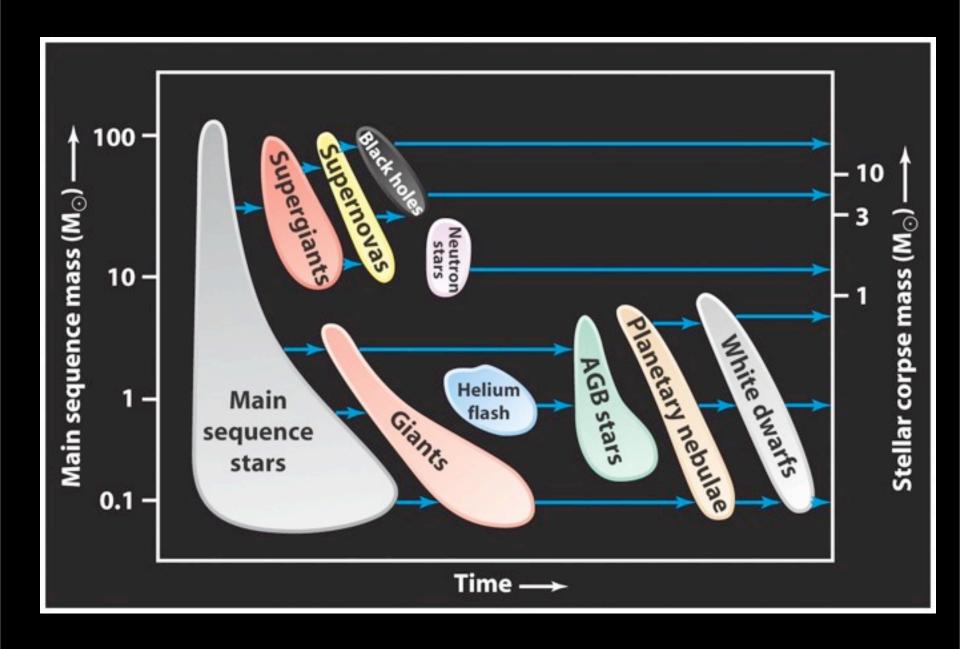




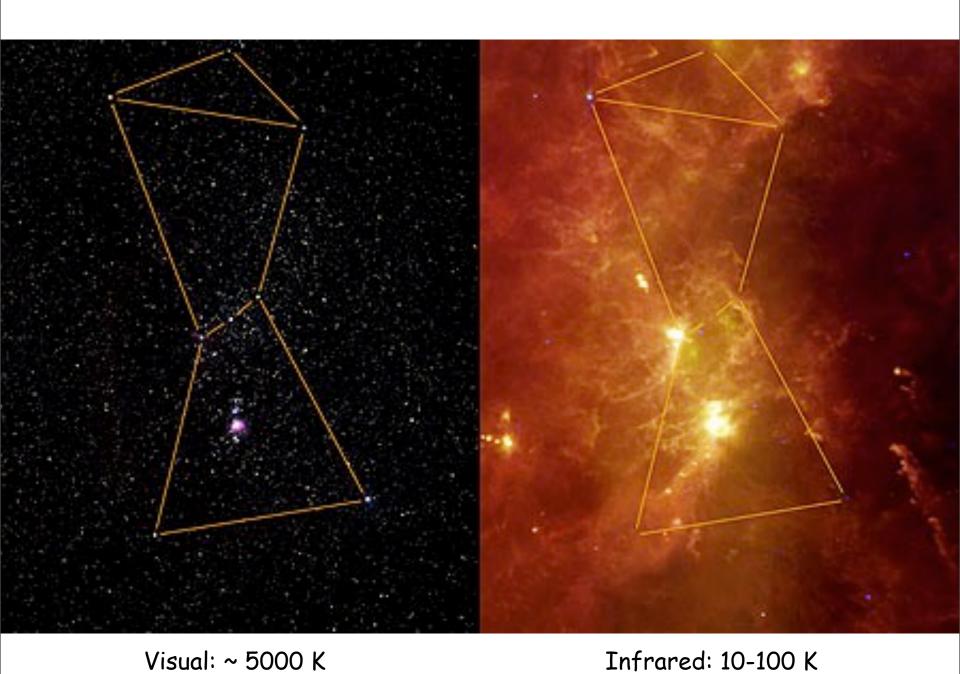
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A NEUTRON STAR: SURFACE and INTERIOR 'Spaghetti' CRUST: CORE: 0 0 Neutron Matter Superfluid **ATMOSPHERE ENVELOPE** CRUST OUTER CORE INNER CORE Polar cap Cone of open









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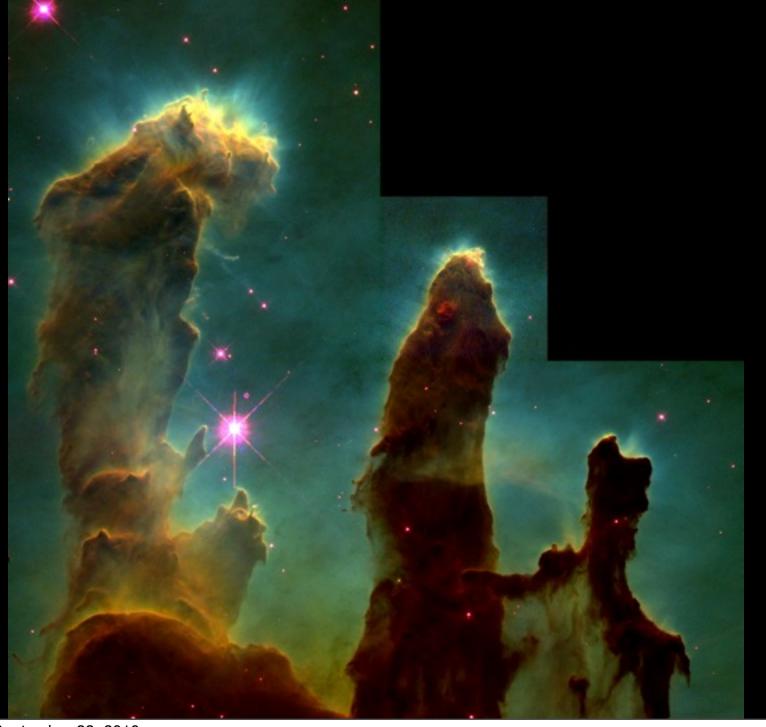
Embedded Outflow in HH 46/47

Spitzer Space Telescope • IRAC Inset: visible light (DSS)

ssc2003-06f

NASA / JPL-Caltech / A. Noriega-Crespo (SSC/Caltech)





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