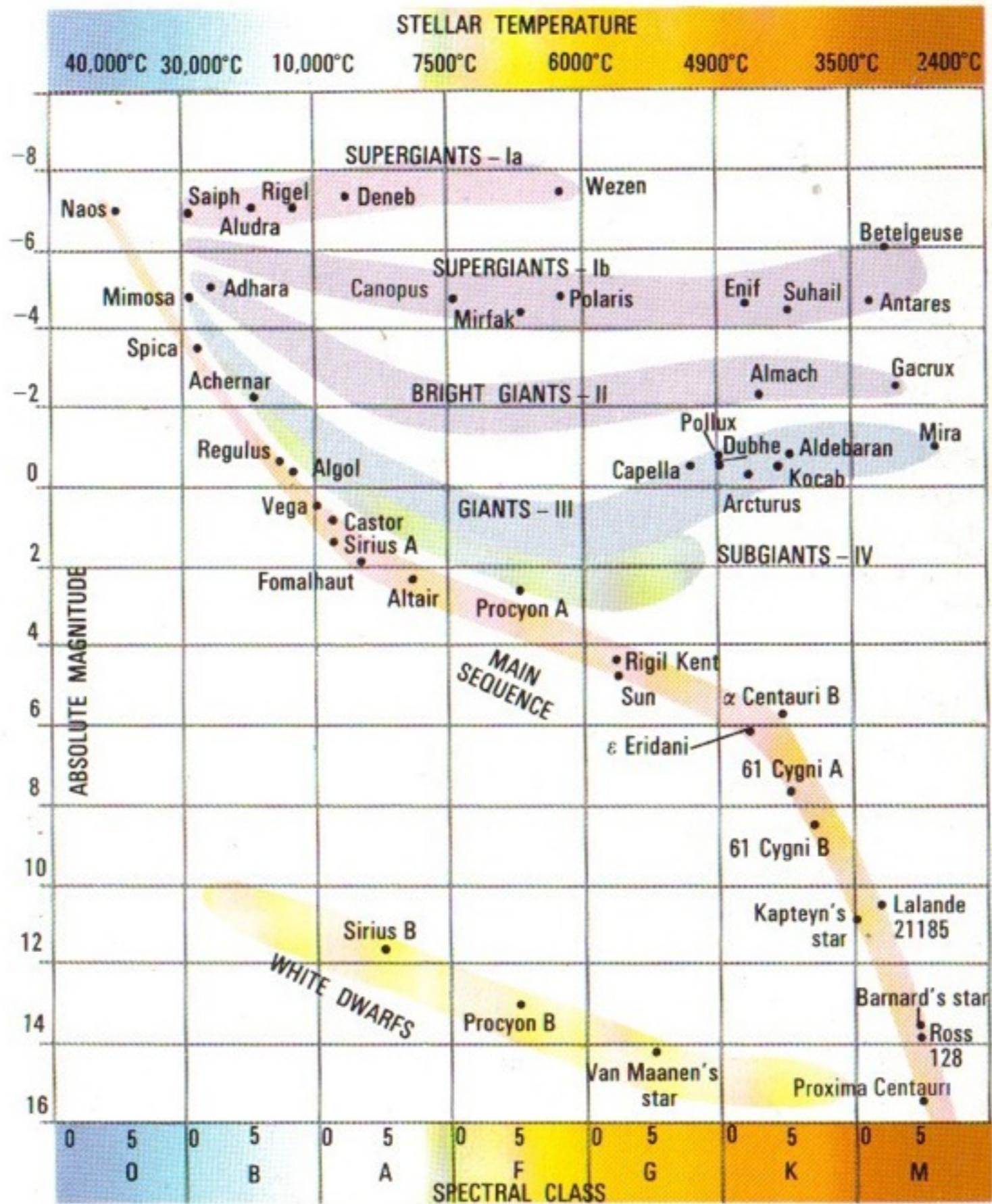


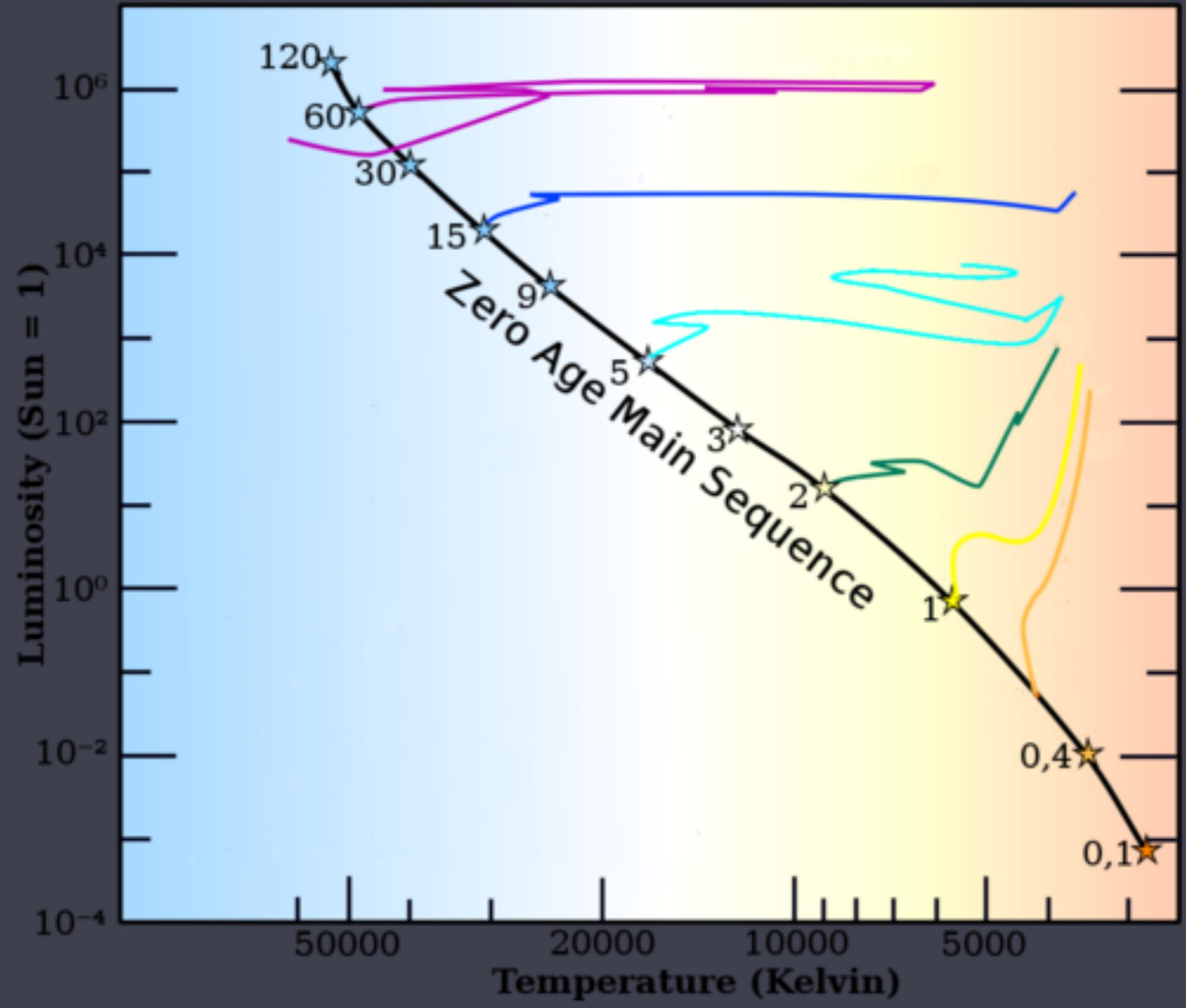
Astro 16: class 20

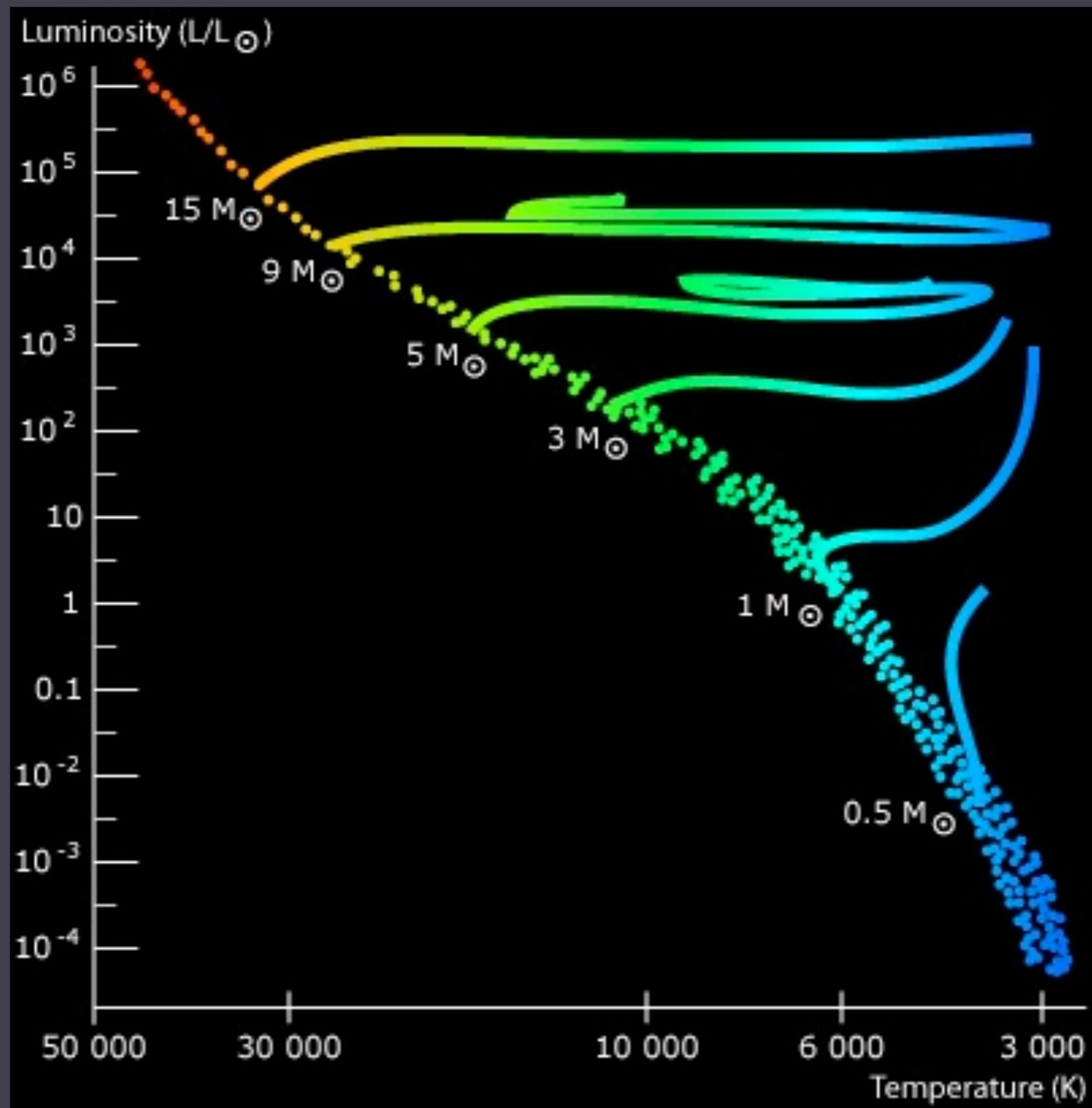
Thursday, November 13, 2014





“Evolutionary tracks” for stars of different masses



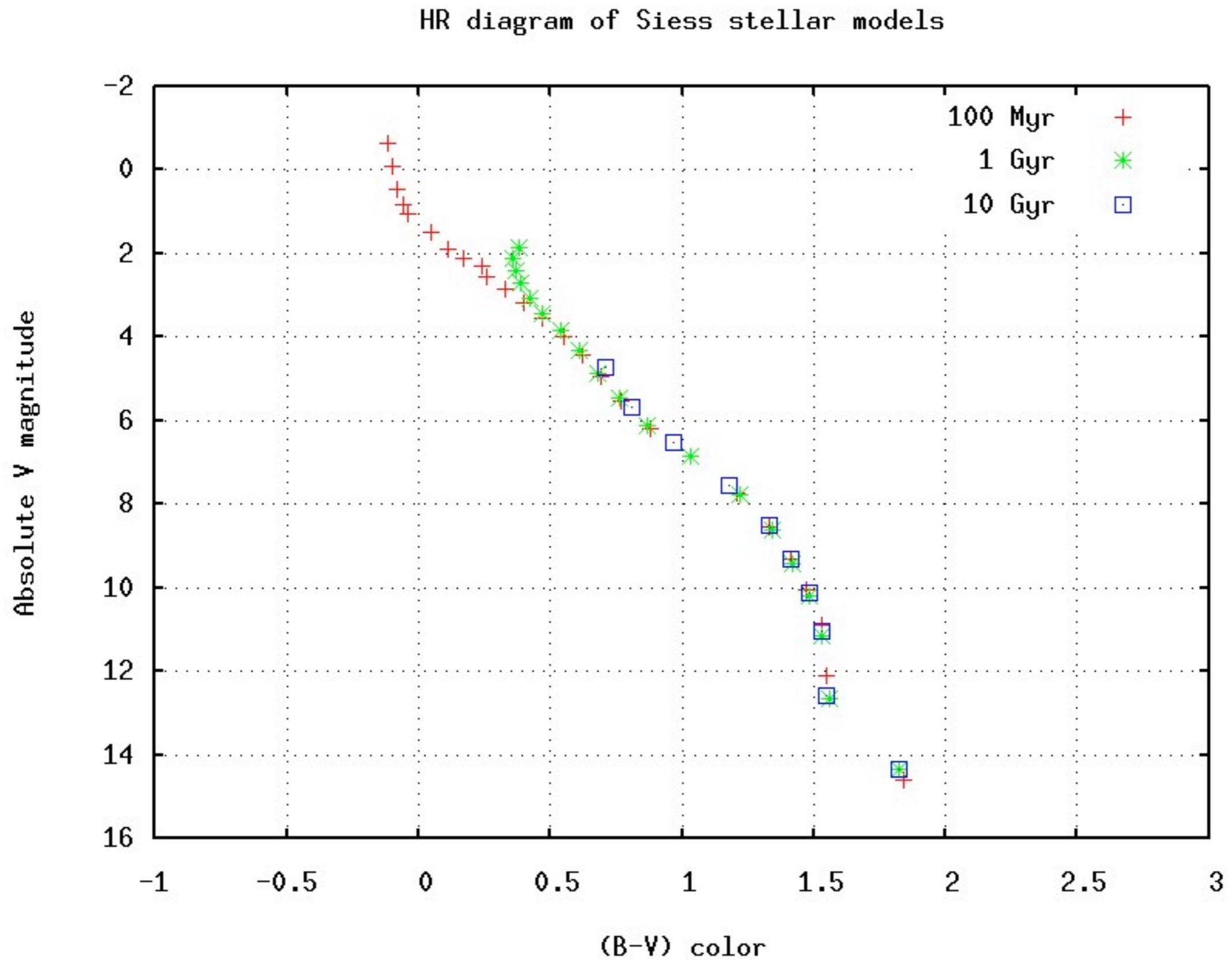


globular cluster 47 Tucanae

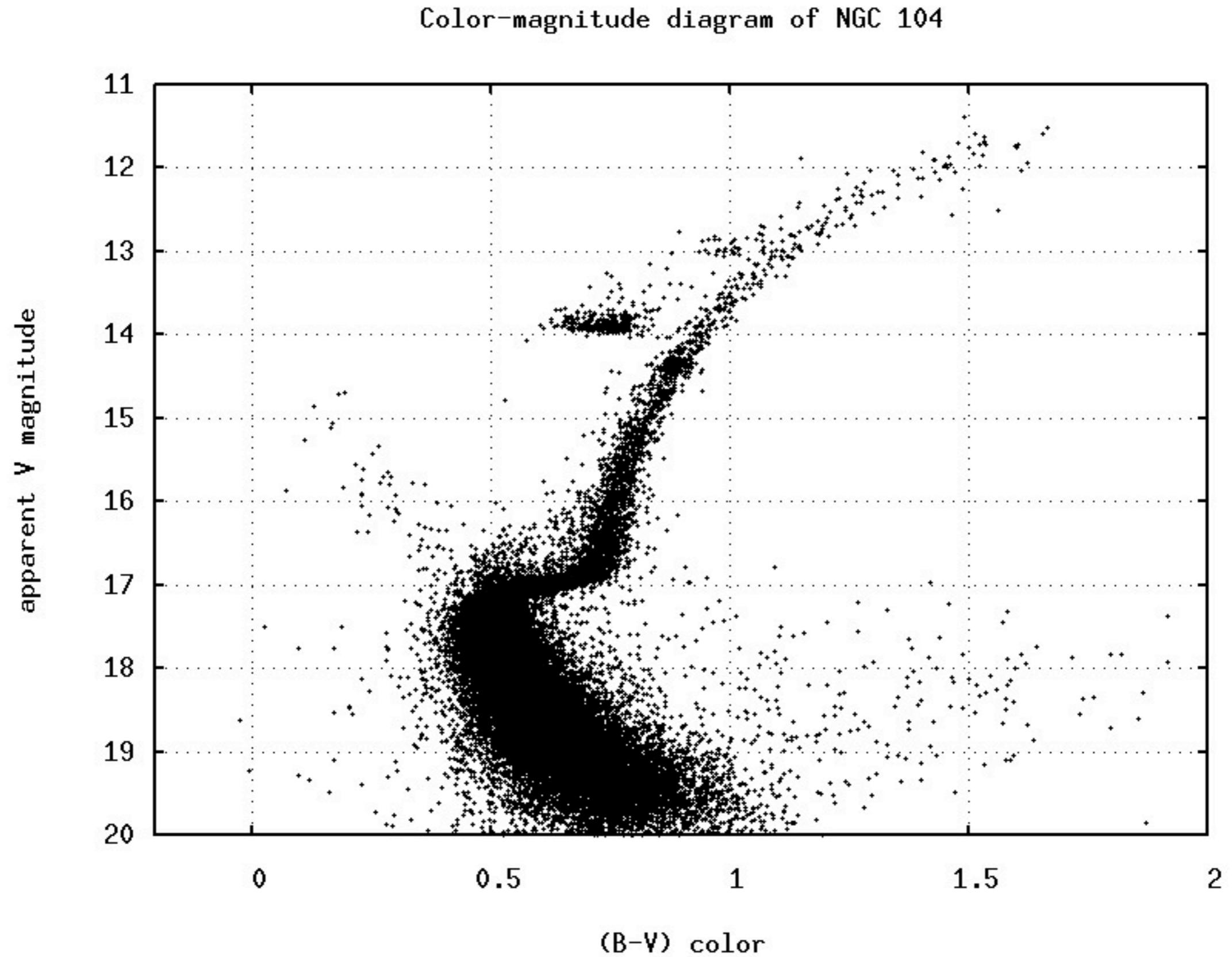




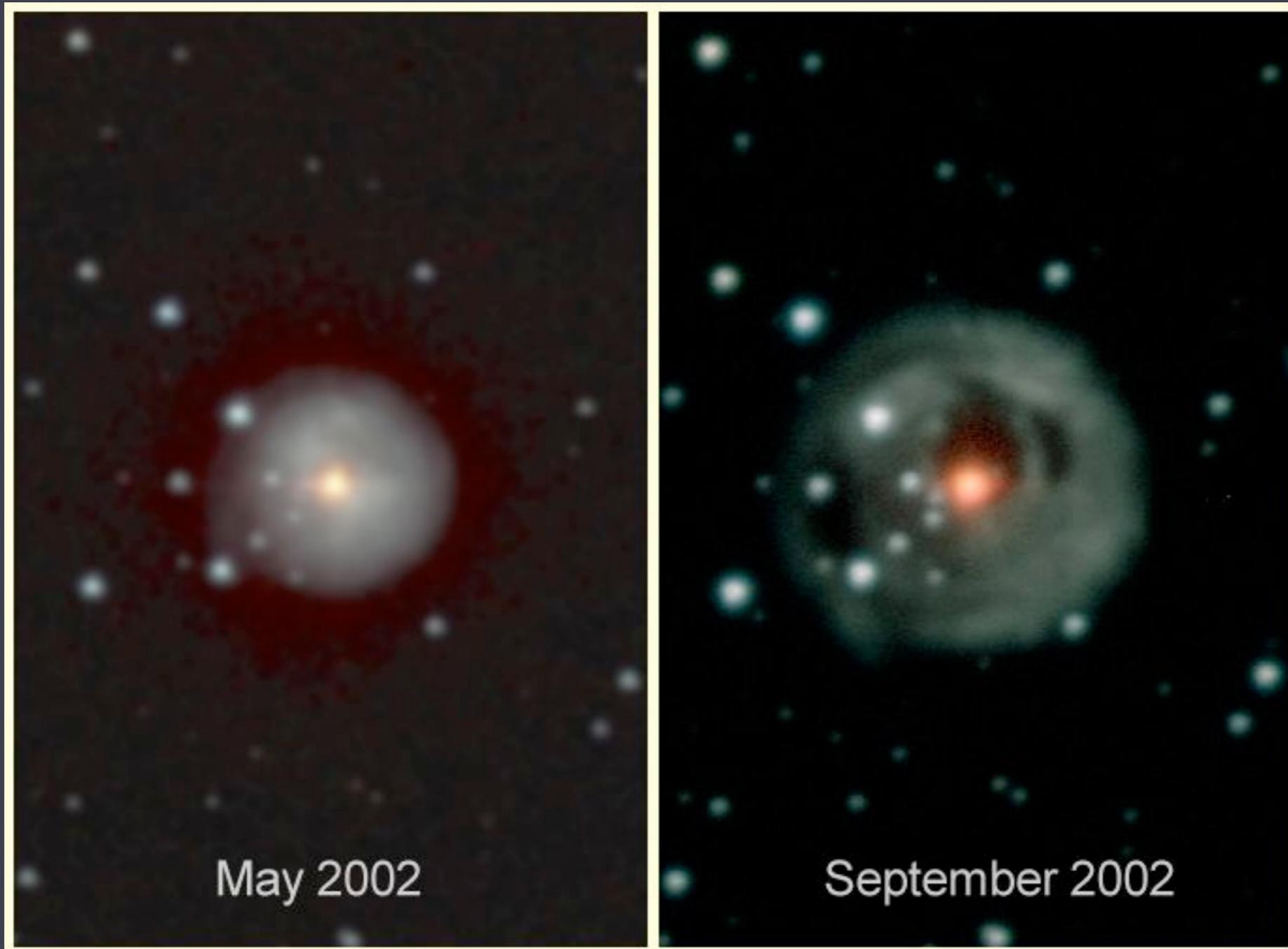
Where did the top of the main sequence go in the older populations?



How *old* is this star cluster?



V838 Mon (maybe an AGB star?)



<http://apod.nasa.gov/apod/ap021003.html>

V838 Mon (light echoes)



The Ring Nebula, a “planetary nebula” - the end-state of solar-type stars



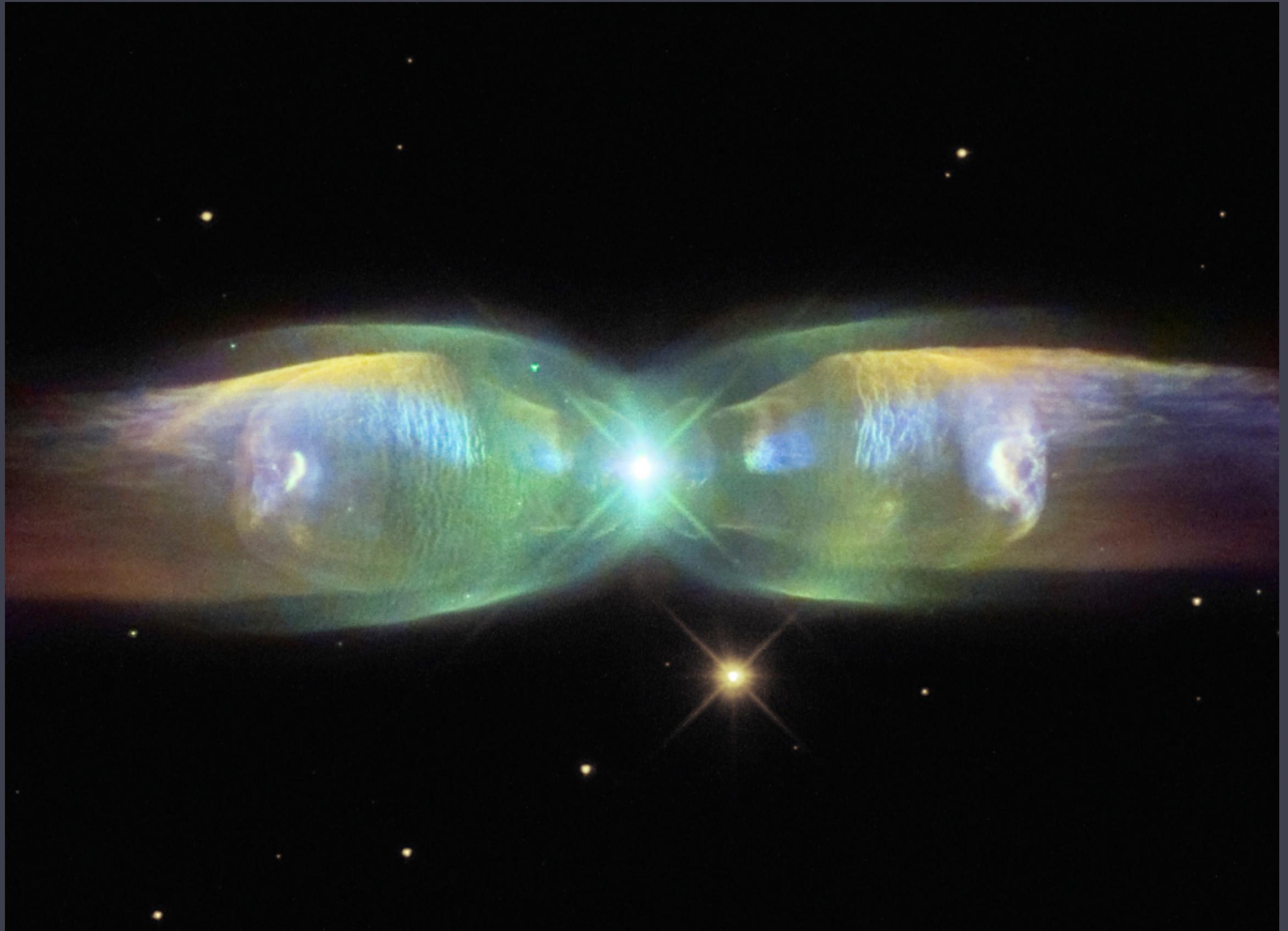
The Cat's Eye Nebula (also a PN)



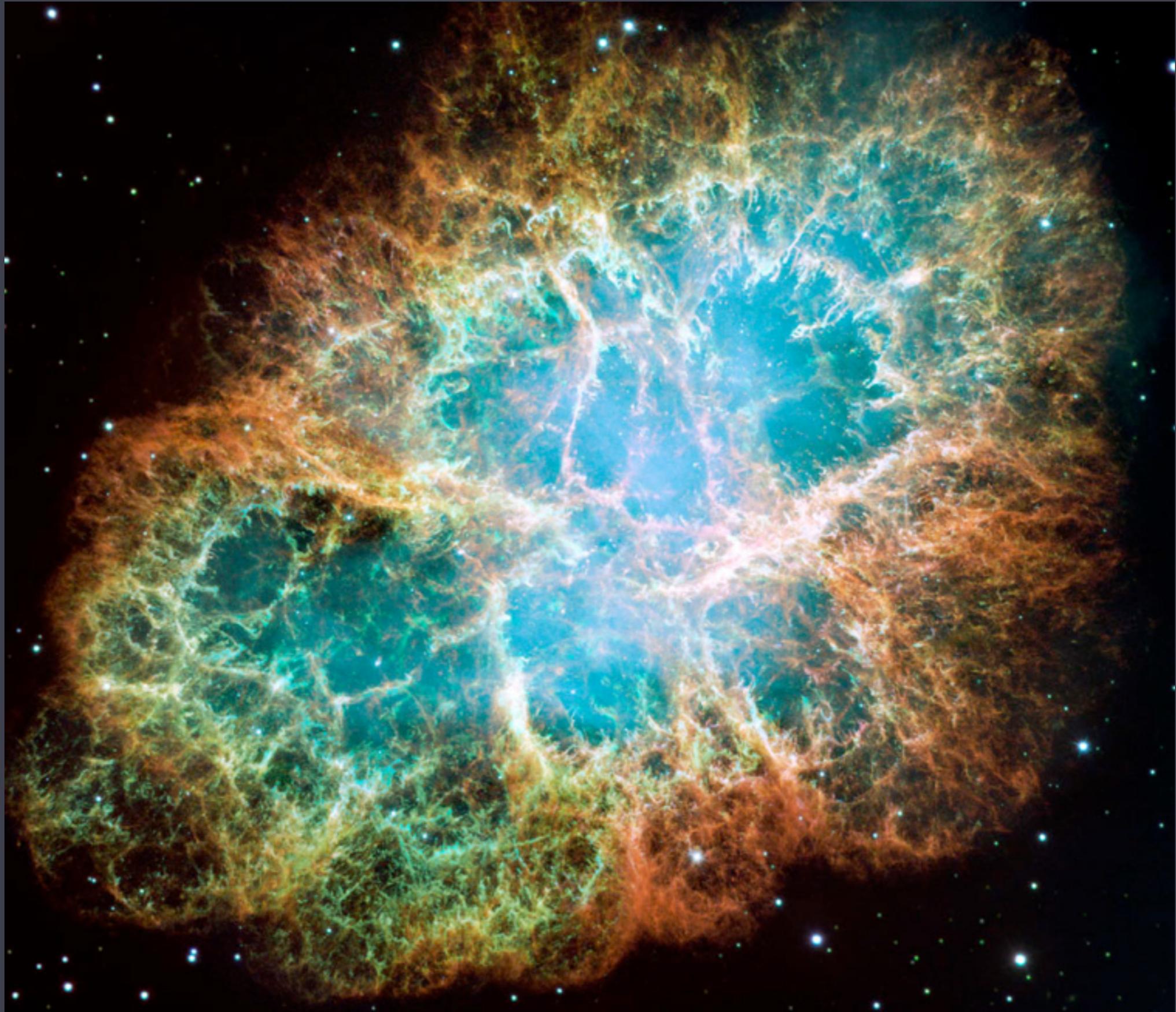
The Dumbbell Nebula (also a PN)



The Butterfly Nebula (also a PN)



The Crab Nebula, a supernova remnant - the end-state of high-mass stars

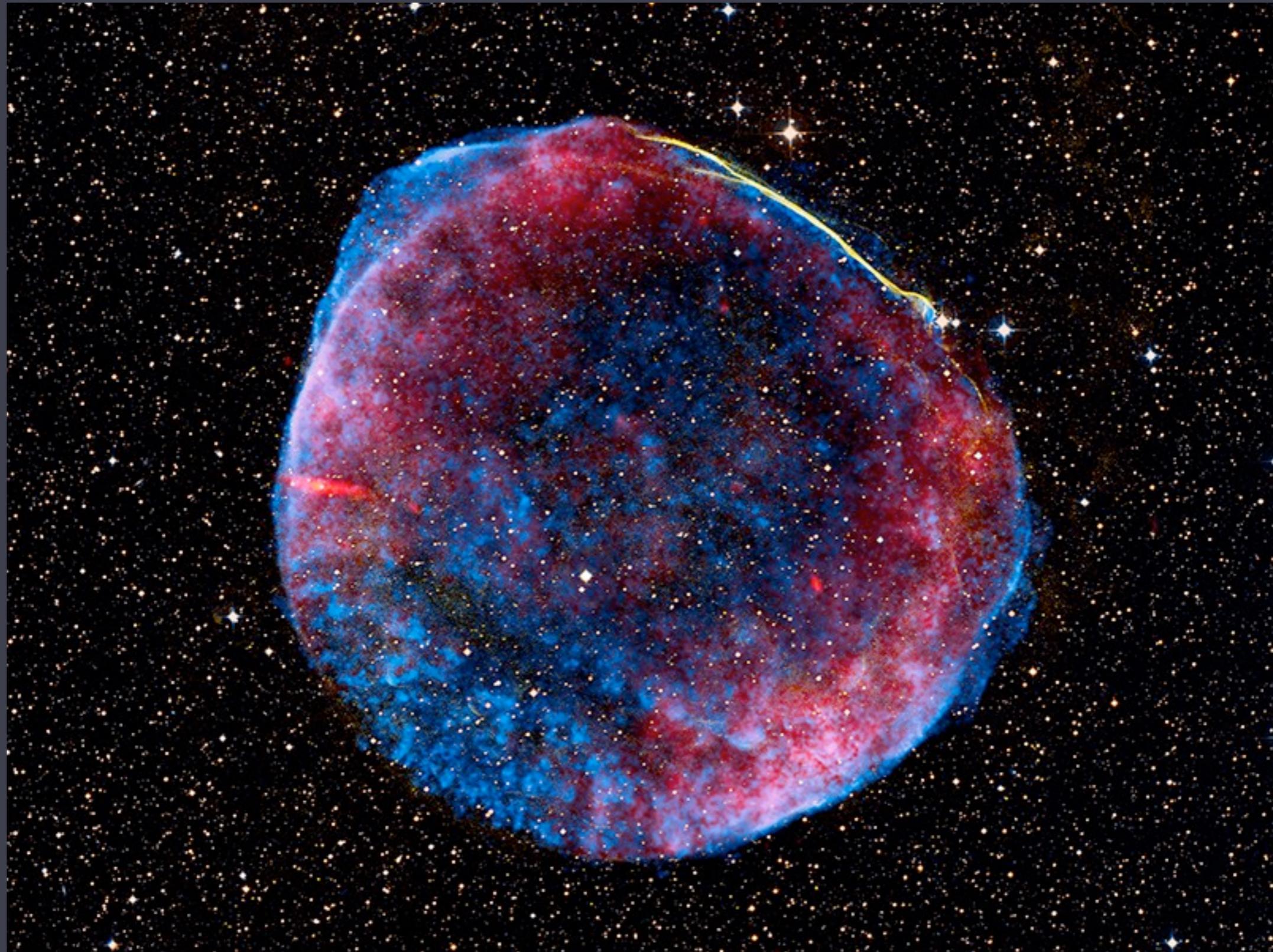


Crab Nebula: two images 30 years apart



<http://apod.nasa.gov/apod/ap011227.html>

Supernova remnant SN I 006



Supernova remnant: The Veil Nebula



Supernovae in other galaxies

