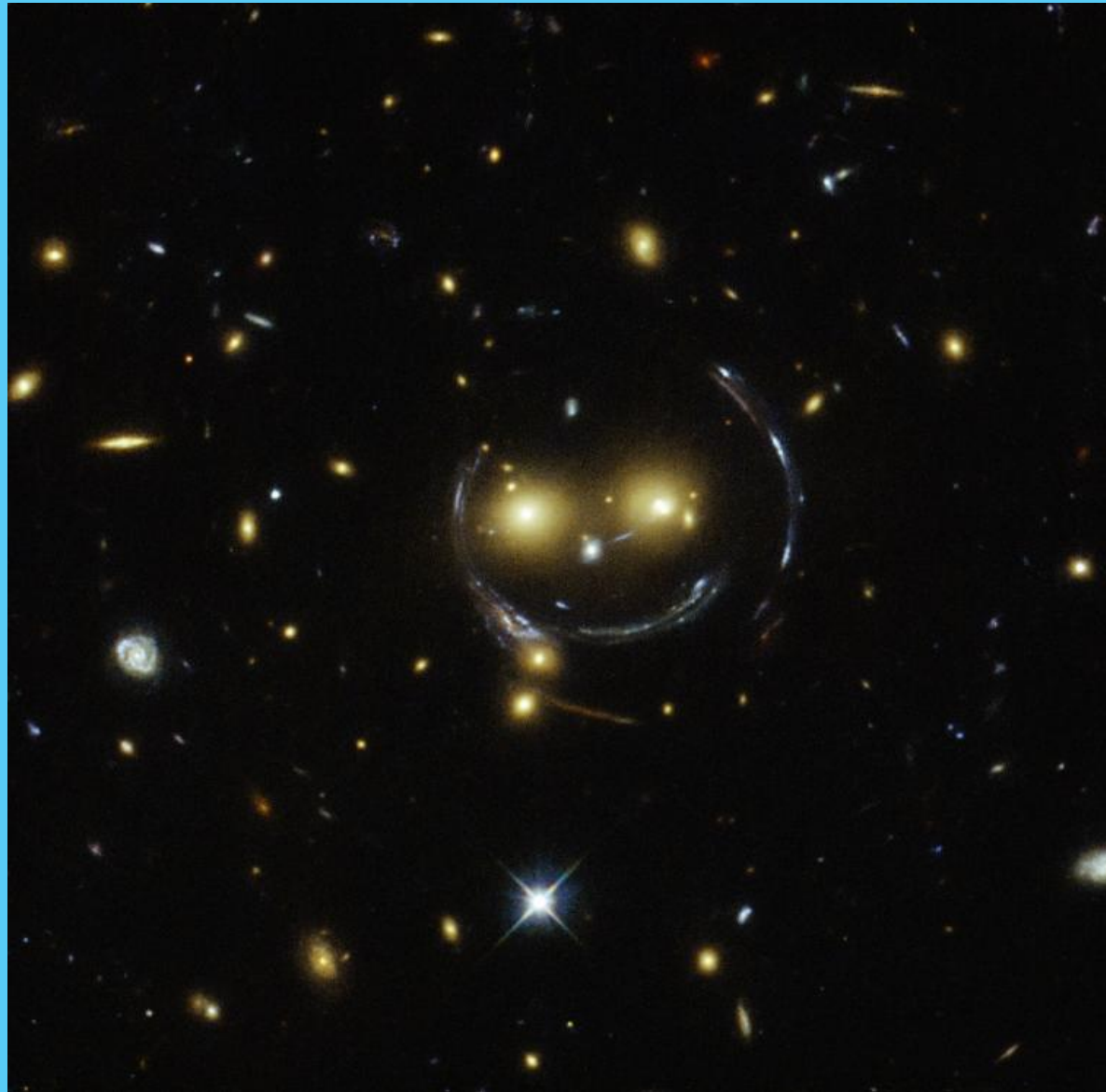


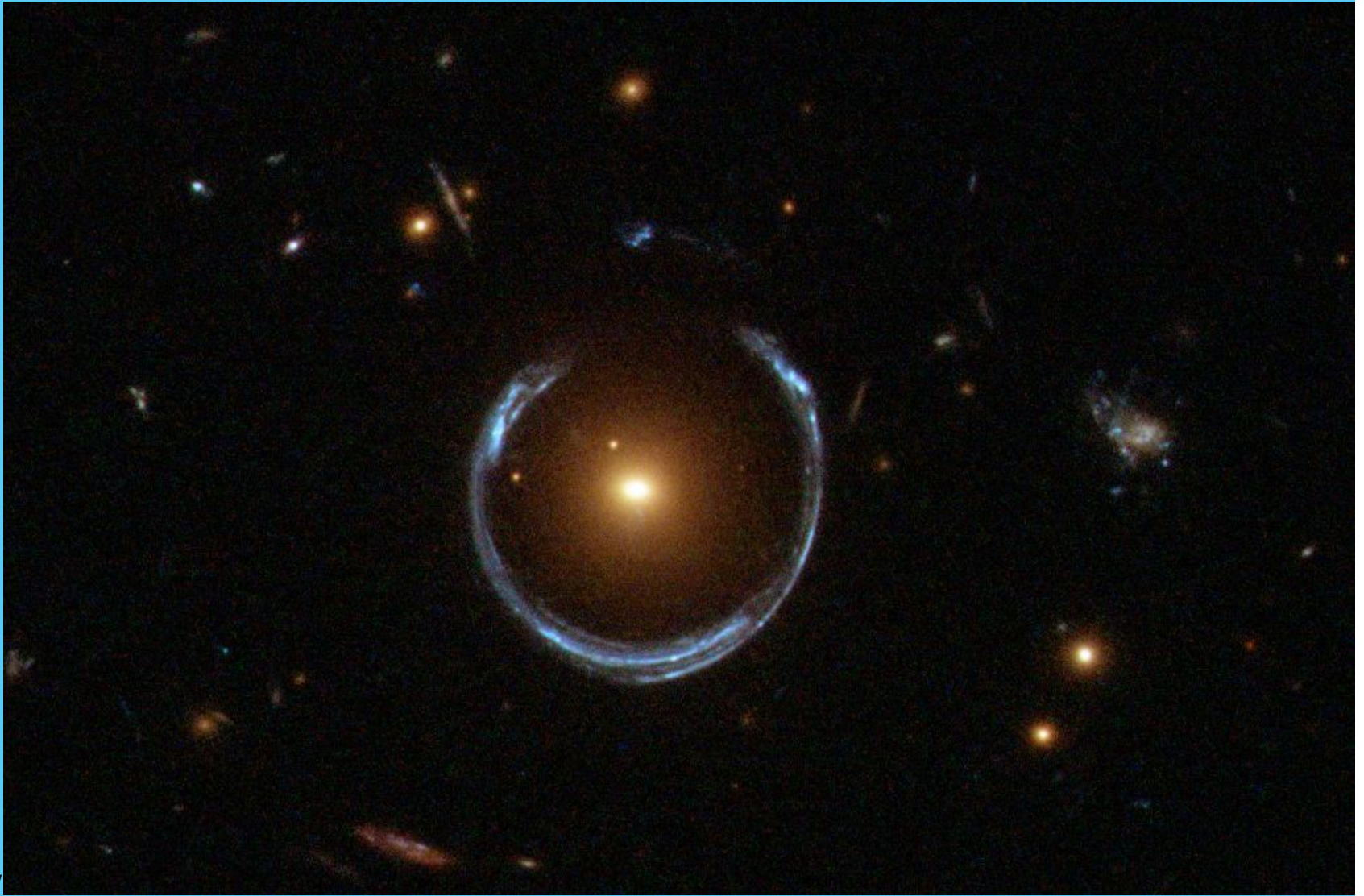
Gravitational lensing



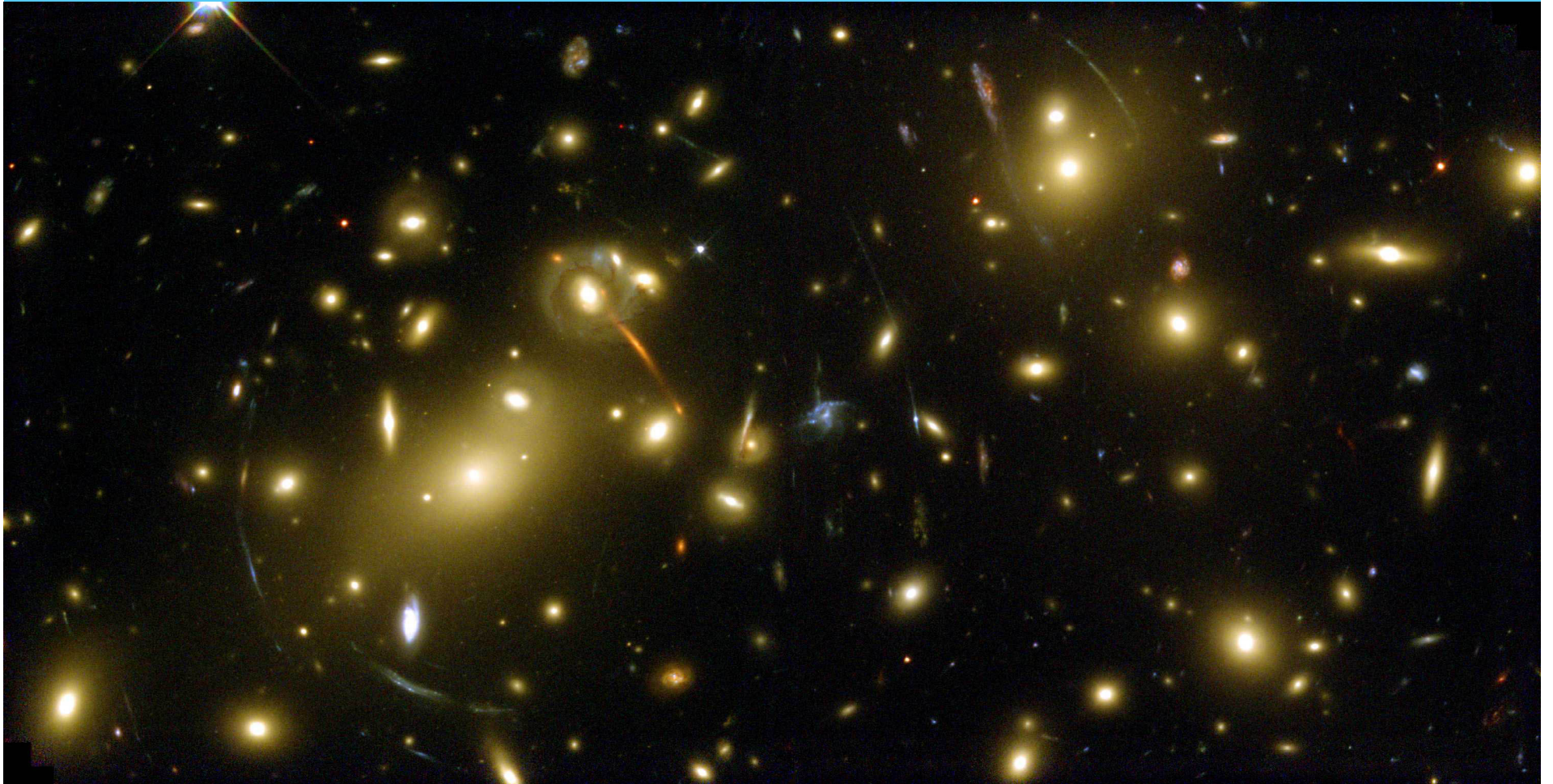
Gravitational lensing



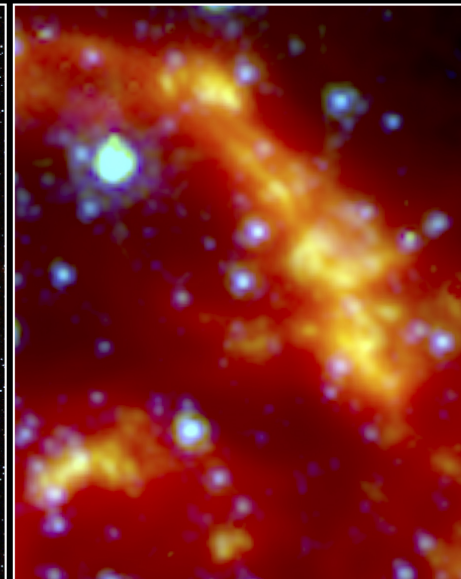
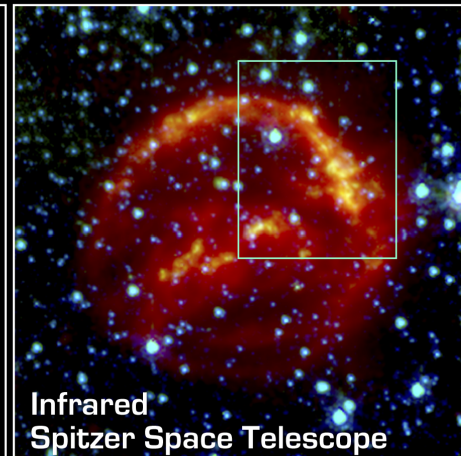
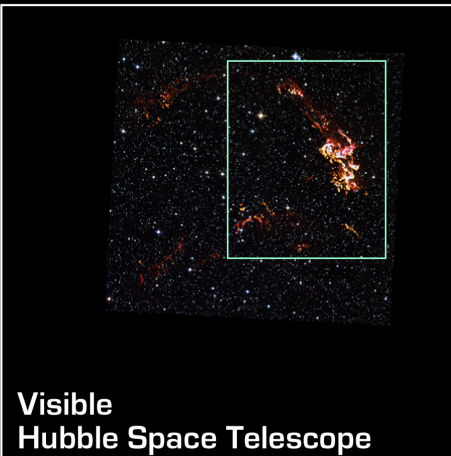
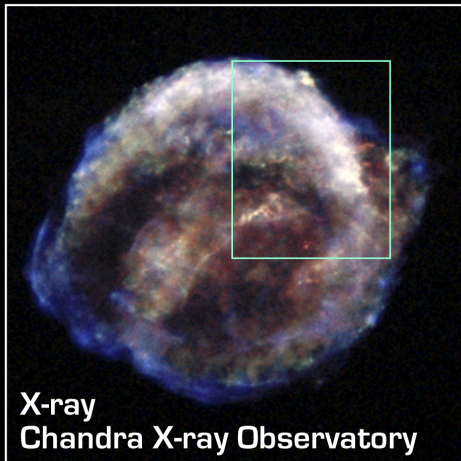
Einstein ring



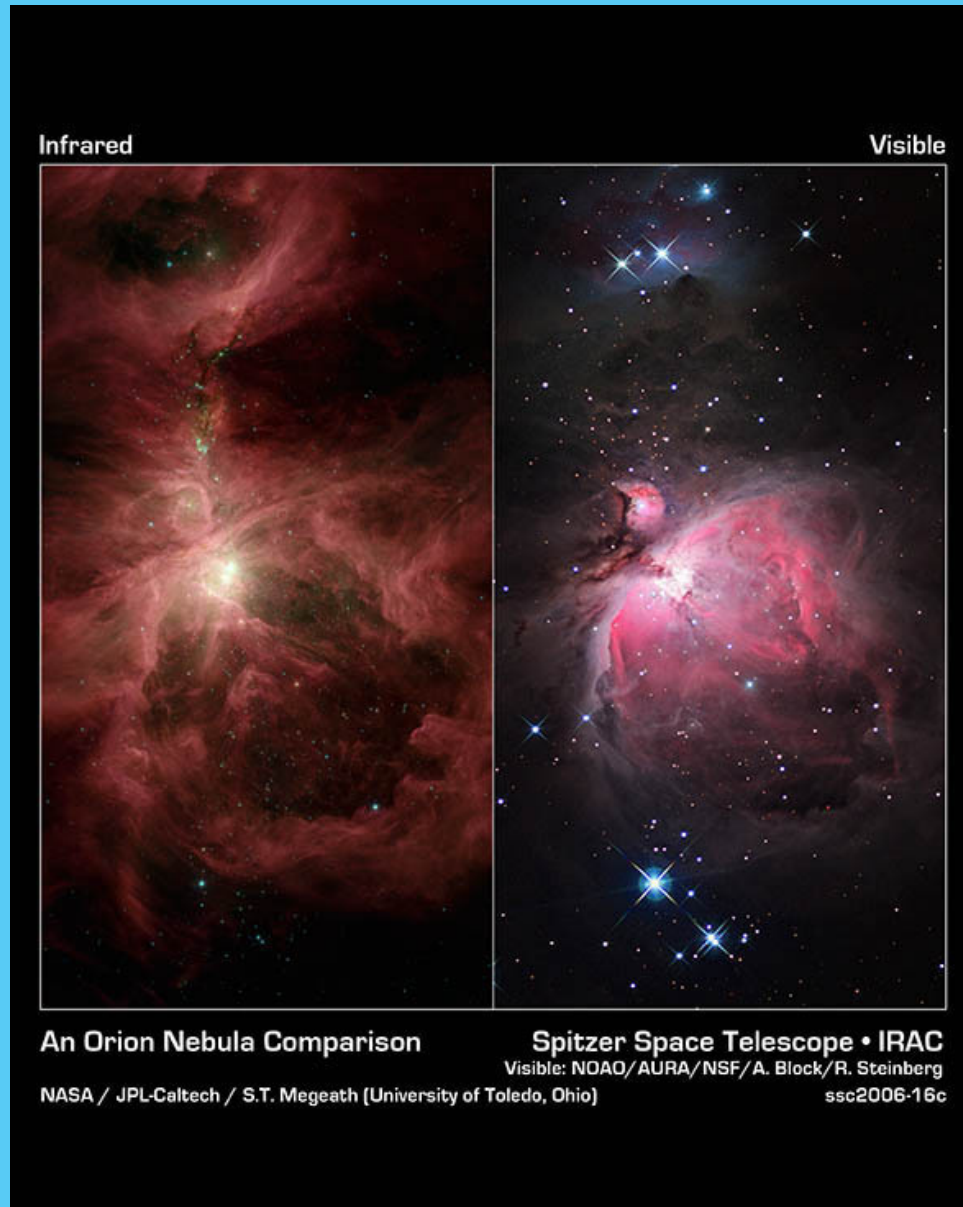
More lenses and image distortion



Kepler Supernova 1604



Orion comparison



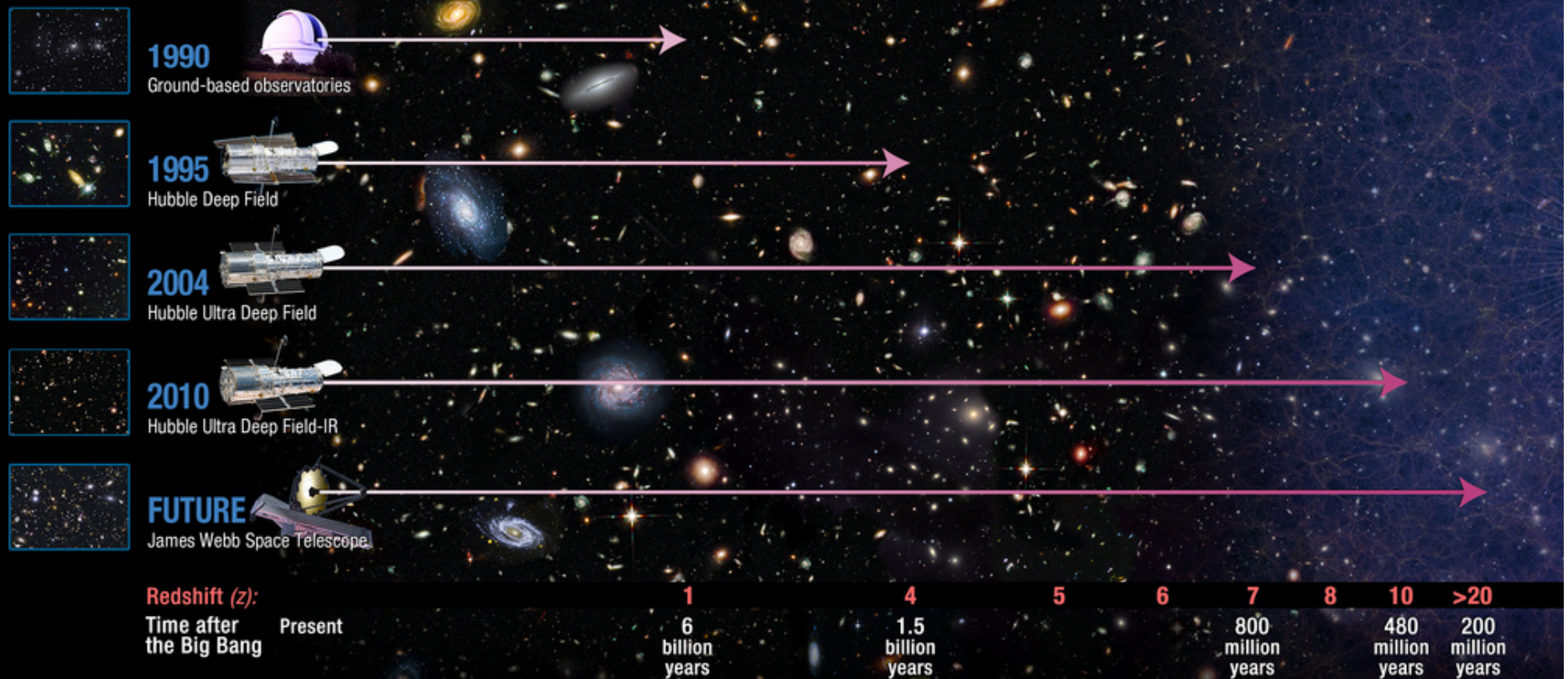
The infra red picture shows the cool dust cloud.

The rings are walls of cavities that are being excavated by radiation and winds from massive stars.

The visible view of the nebula shows gas heated by ultraviolet radiation from the massive stars.

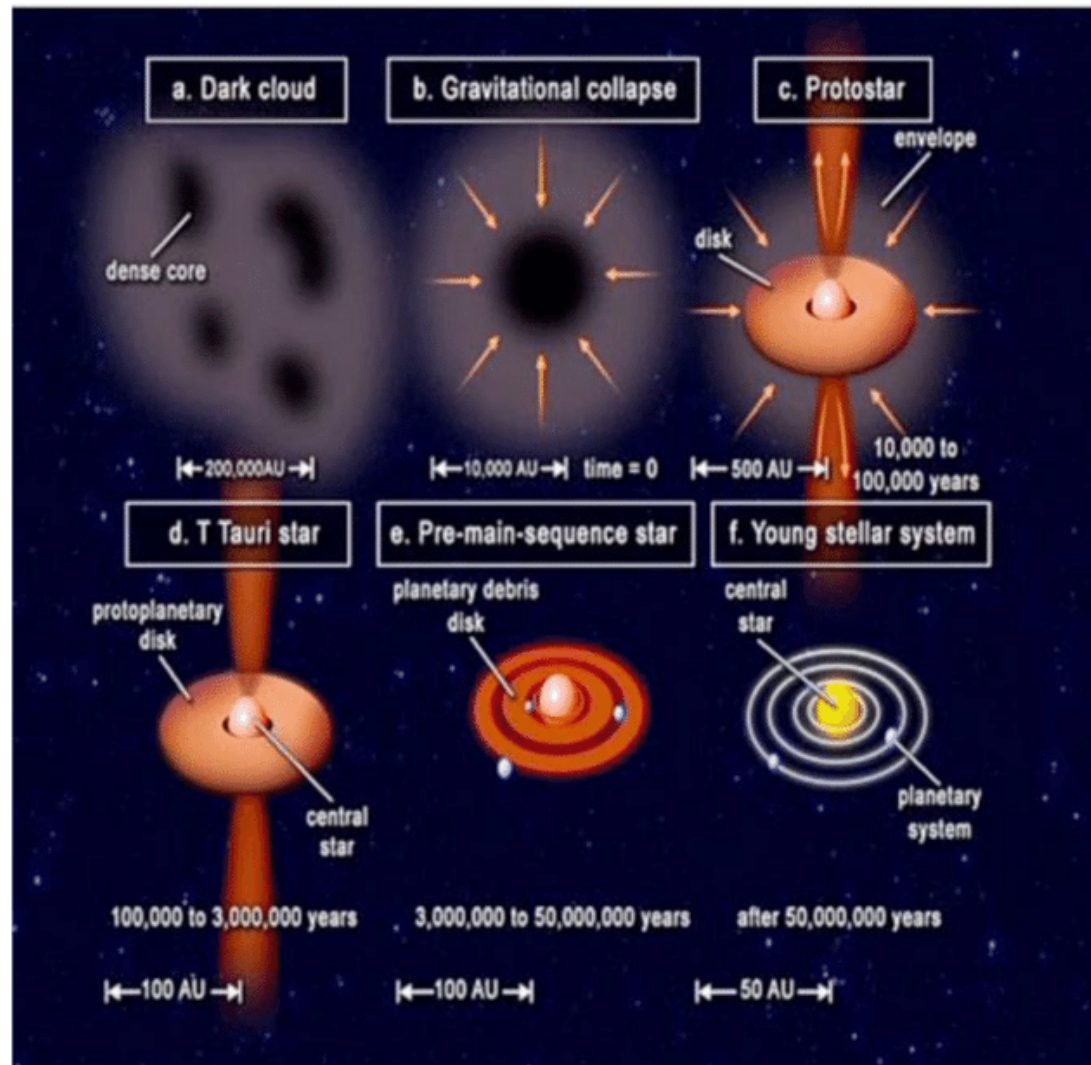
Future with James Webb

Hubble Probes the Early Universe



Stop here

Star formation



What other eyes do we have?

- The Great Observatories
 - Hubble Space Telescope
 - Built at MSFC, transferred to GSFC for operations
 - Optics repaired (Senator Mikulski “Techno-turkey”)
 - Instruments updated spacecraft repairs
 - 1993 (mirror corrected), 1997, 1999, 2002, 2009
 - Chandra
 - Spitzer