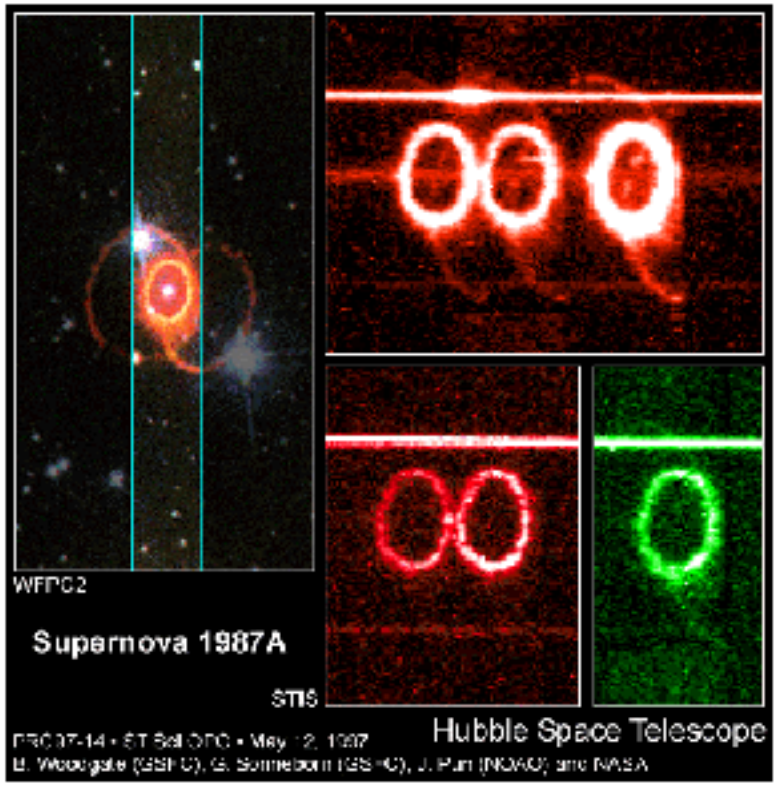

Figure 3: Left panel: WFPC2 image of SN1987A and associated ring system, along with diagram of STIS 2″ wide slit used for spectroscopy of inner ring in visible light modes G430M and G750M. Right panels: STIS spectral images of emission lines of (top) [NII] λ6548, Hα, [NII] λ6583, (bottom left) [SII] $\lambda\lambda$6716,6731, and (bottom right) [OII] λ3727. See Ref. 8 for details.

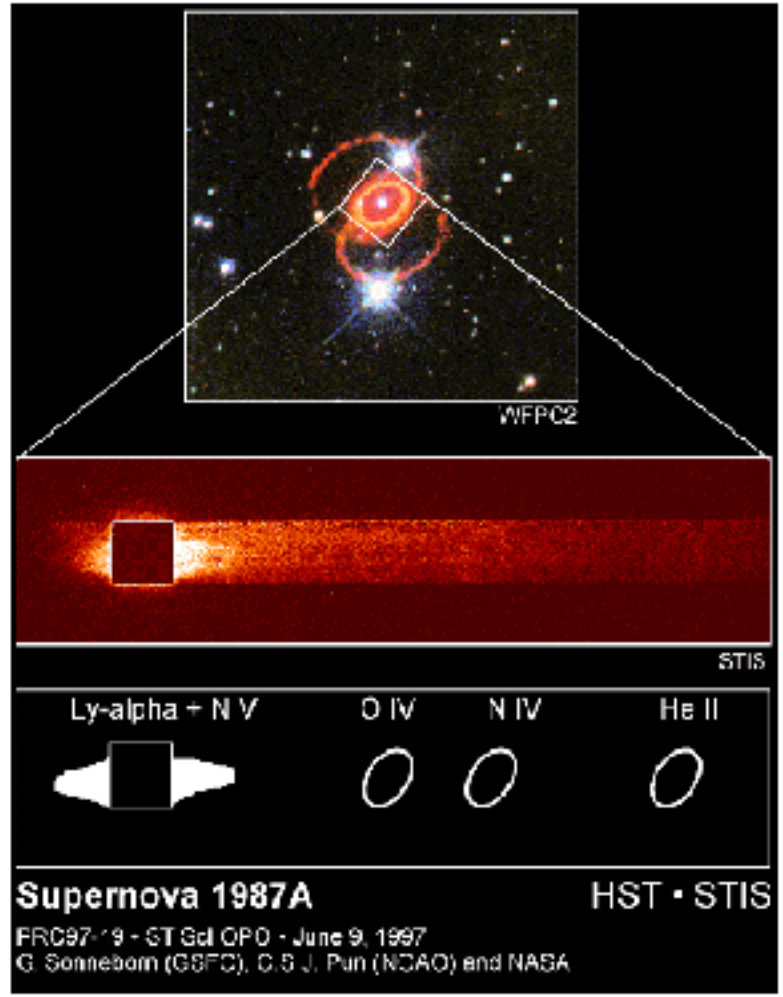

Figure 4: Top panel: WFPC2 image of SN1987A ring system with diagram of 2″ square slit used for STIS ultraviolet spectroscopy in mode G140L. Lower panels: data and schematic representation thereof, showing UV emission lines from inner ring, along with high velocity Lyα emission from interior of inner ring. See Refs. 8,9 for details.