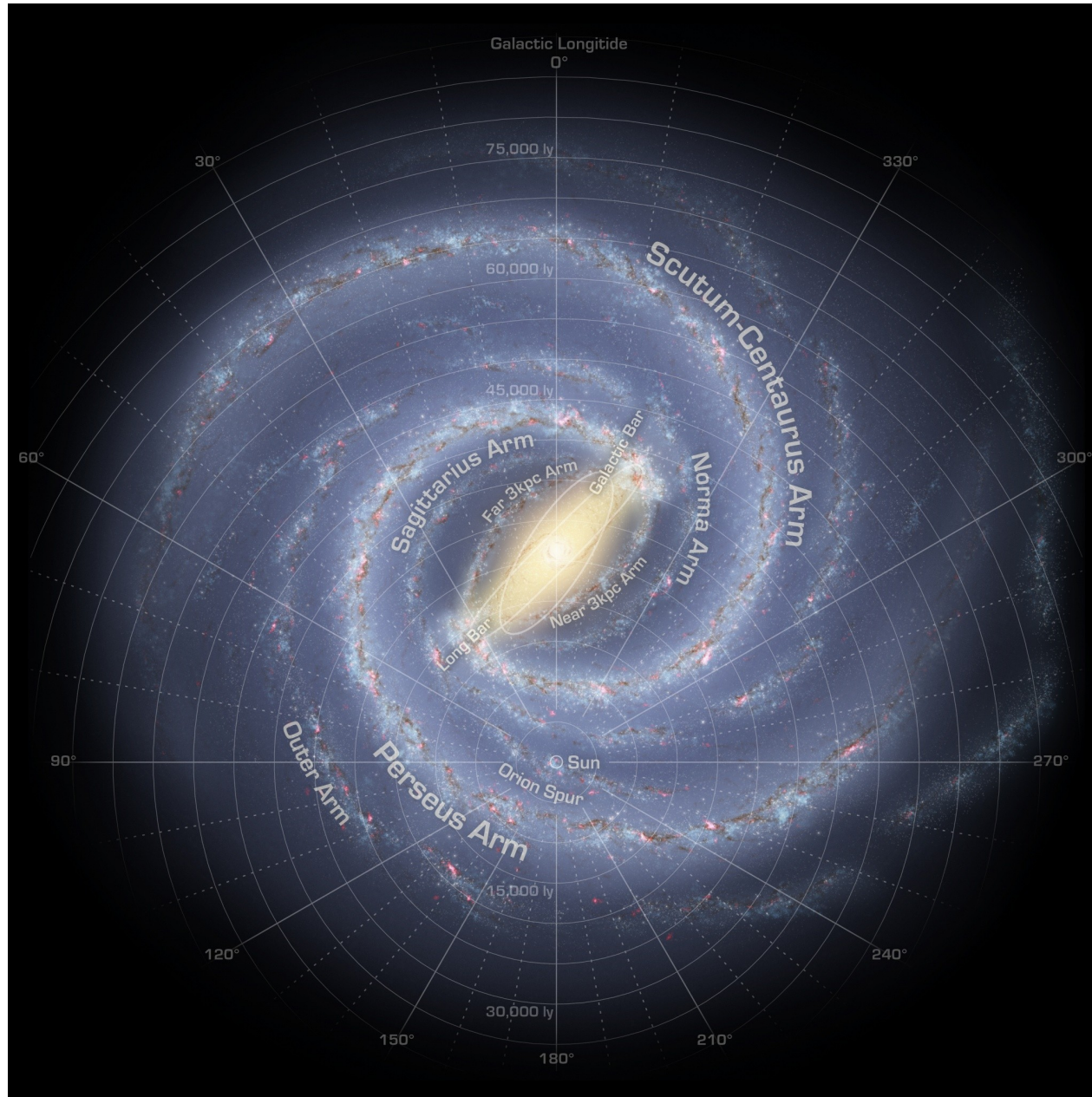


**SAS Honors Seminar 259:
Extraterrestrial Life**

9/29/2008

A (possible) bird's eye view of the Milky Way



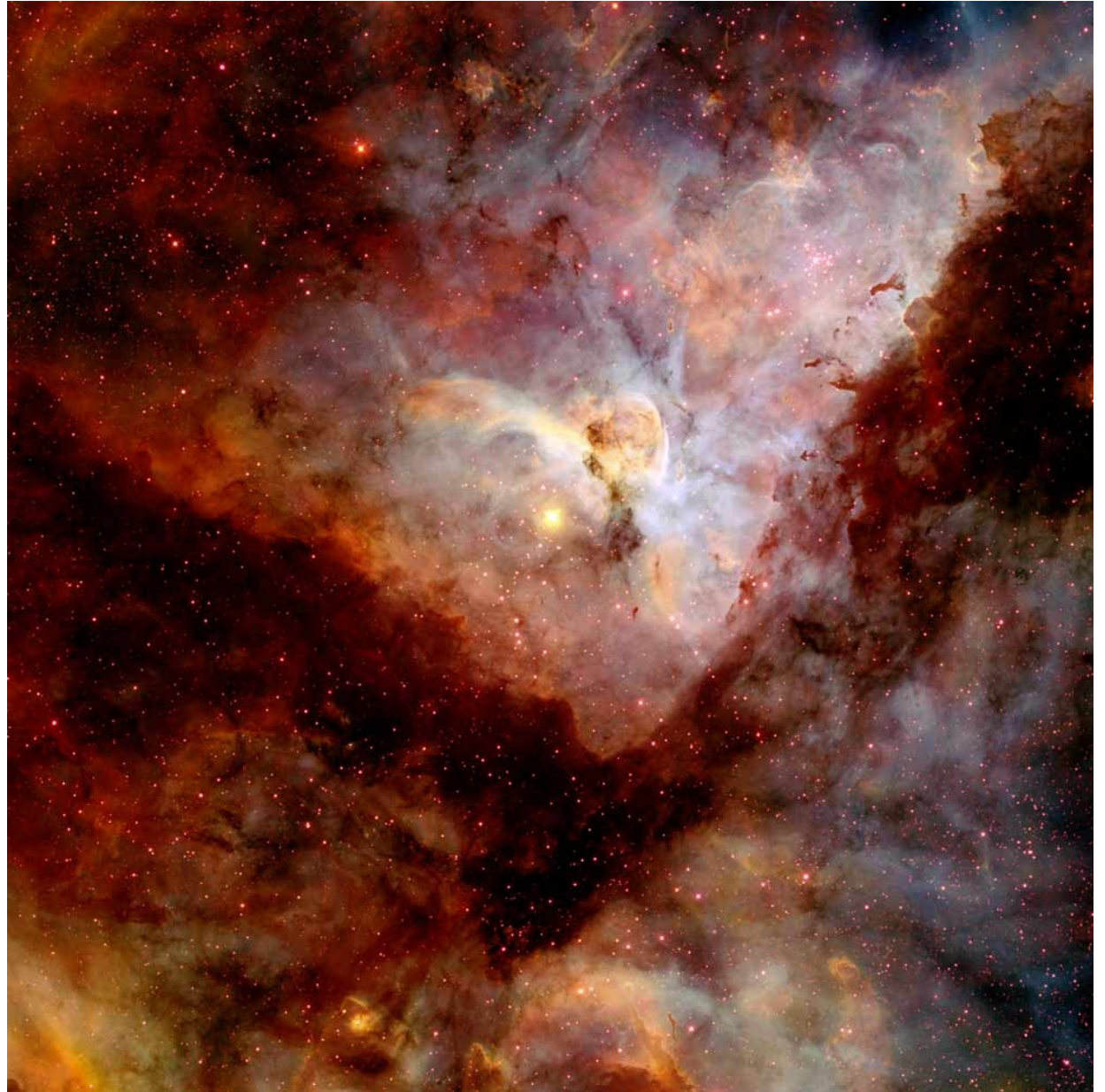
Star formation in the Carina Nebula

sulfur

hydrogen

oxygen

***D* ~ 7500 light-years**



Center of the Carina Nebula

Carina Nebula



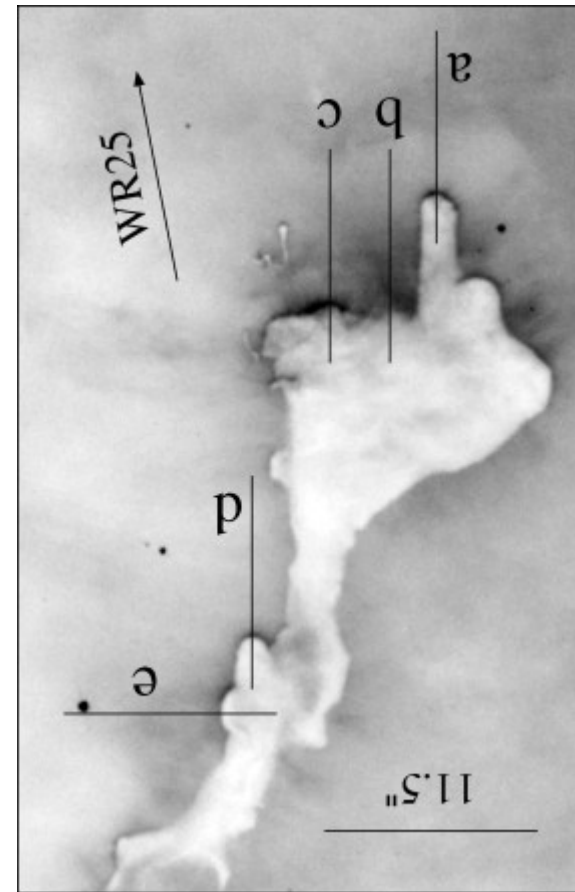
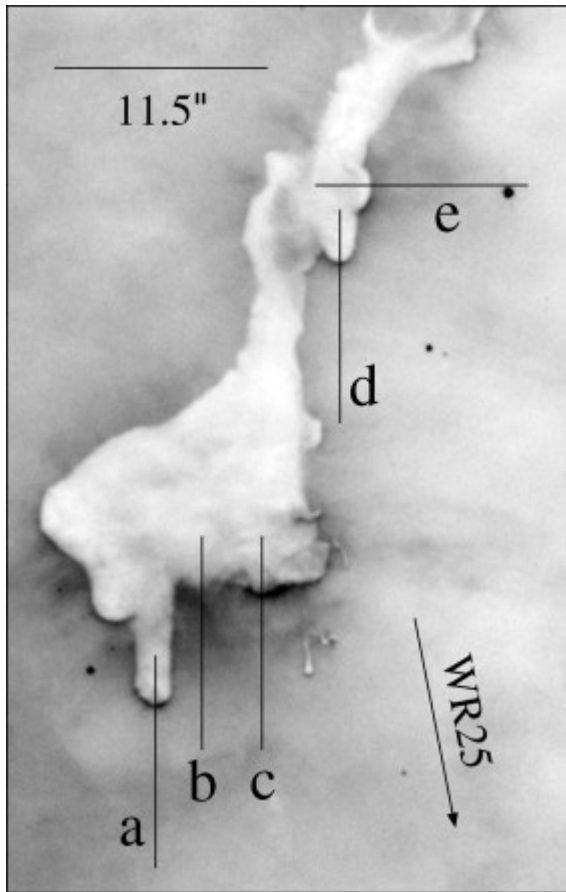
Hubble
Heritage

NASA, ESA, N. Smith (University of California, Berkeley), and The Hubble Heritage Team (STScI/AURA)
Hubble Space Telescope ACS/WFC • STScI-PRC07-16a

Protostellar jets in the Carina Nebula



Carina's "Defiant Finger"



Reading for Wednesday

Bennett & Shostak 11.2 – background on exoplanets

Marcy & Butler (1996) – second Doppler-detected exoplanet

Charbonneau et al. (1999) – first detected exoplanet transit

Cheat sheet up today or tomorrow.

Response paper for Monday (10/6)

The International Astronomical Union (IAU), the organization that expelled Pluto from the “planet club”, is responsible for choosing official names for minor solar system bodies... After reading the guidelines for naming minor planets, explain your views on whether and how you believe these rules... should be modified.

**the planet formerly known as “Xena” &
the moon formerly known as “Gabrielle”**

