

10/13/06

Exam 2, Chapters 6, 7, Friday, October 20

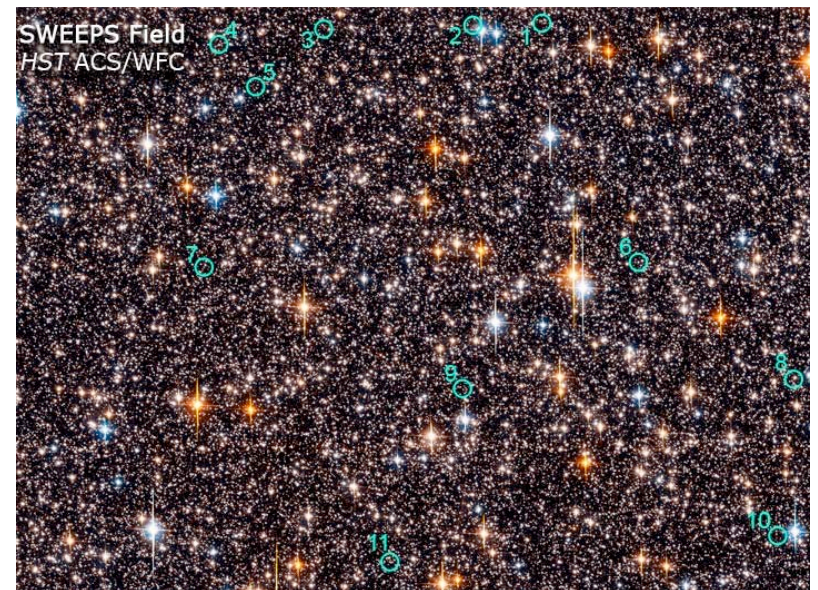
Chapters 6, 7 posted - revised, updated for second edition

Movies are now posted on class website, by chapter.

Check chapter 6.

News?

Pic of the day - stars with planets
toward the center of the Milky
Way, Sagittarius



Sky Watch Objects mentioned so far

Lyra - Ring Nebula, planetary nebula in Lyra

Sirius - massive blue main sequence star with white dwarf companion

Algol - binary system in Perseus

Vega - massive blue main sequence star in Lyra

Antares - red giant in Scorpius

SN 1006 - Lupus/Centaurus (not this time of year)

SN 1054 Crab Nebula - Taurus

SN 1572 Tycho - Cassiopeia

SN 1604 Kepler - Ophiuchus

Cassiopeia A - Cassiopeia

Vela supernova - Vela (not this time of year)

Betelgeuse - Orion, Red Supergiant due to explode “soon” 15 solar masses

Rigel - Orion, Blue Supergiant due to explode later, 17 solar masses

Sky Watch

Can only count each objects once for credit, but can do any objects missed earlier in later reports.

Add relevant objects that I don't specifically mention in class, other examples of planetary nebulae, main sequence stars, red giants, binary stars, supernovae....

Don't wait until the last minute. It might be cloudy.

The Earth orbits around the Sun, some objects that were visible at night become in the direction of the Sun, "up" in daylight, impossible to see, other objects that were inaccessible become visible at night. Check it out.

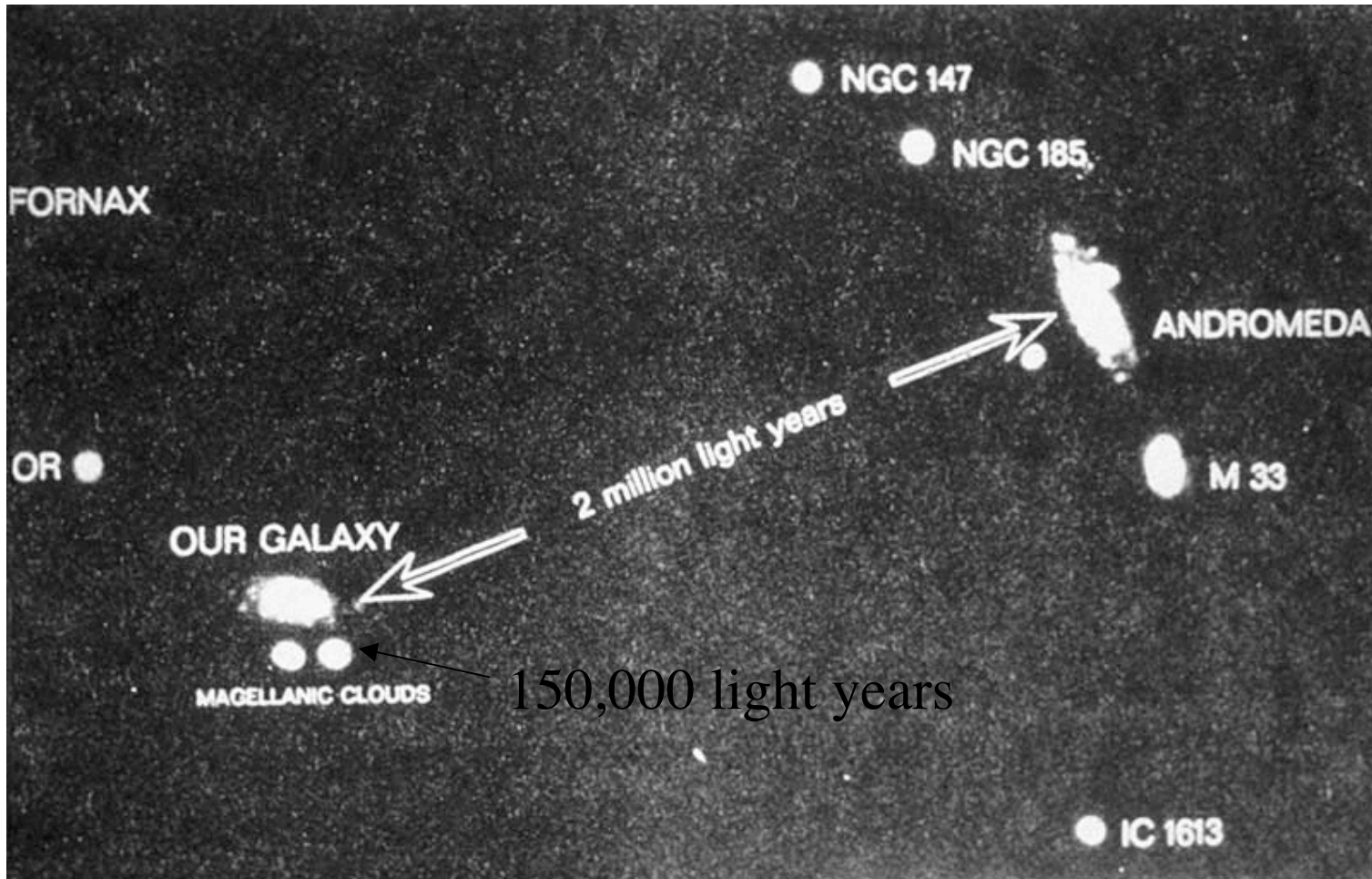
Kepler

SN 1987A
first naked eye
supernova since
Kepler's in
1604



Tycho

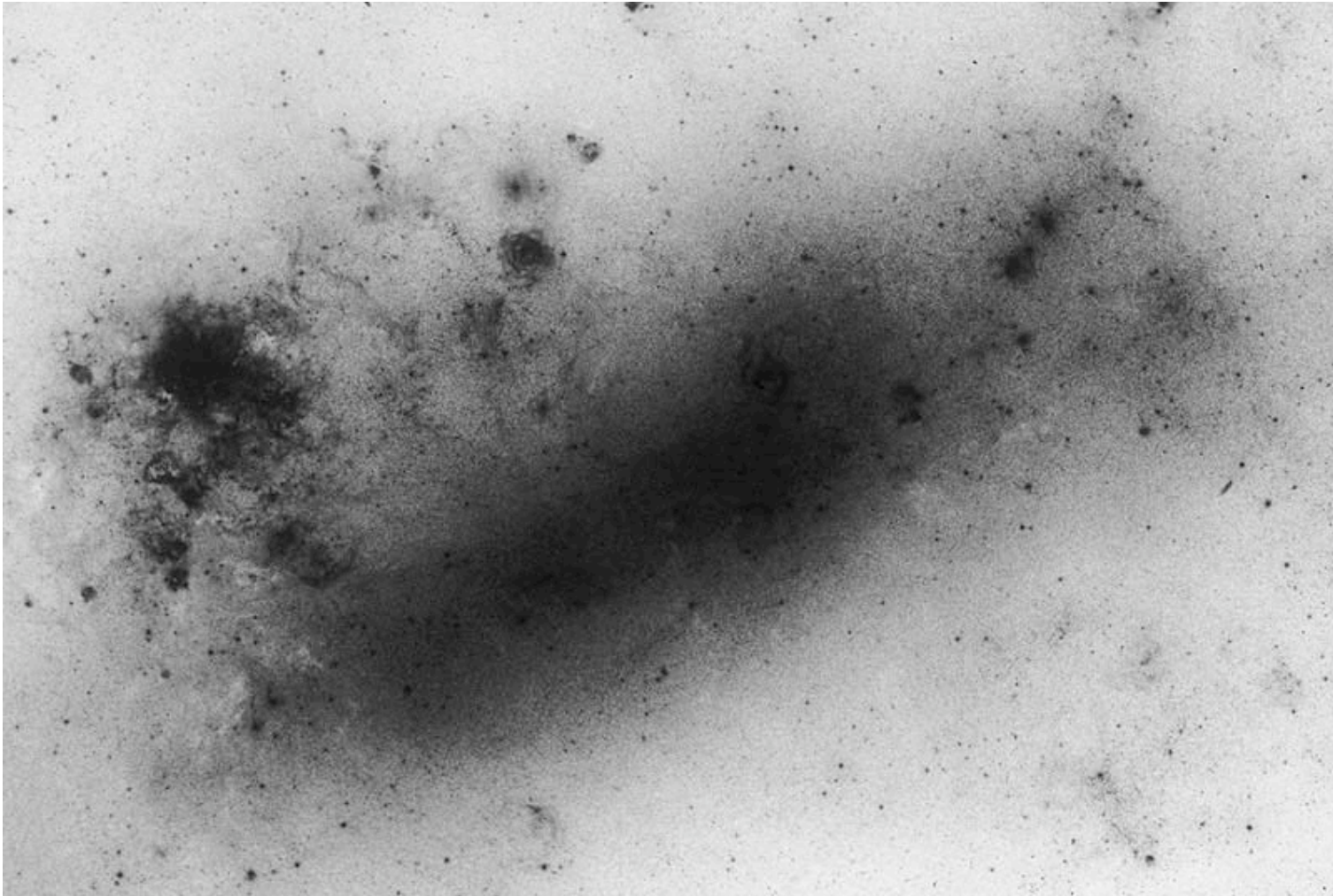
Local group



Large Magellanic Cloud, irregular galaxy (color)



LMC negative



Rob McNaught patrol photos - the day before



2-22-87

The first known photo of SN 1987A hours after shock breakout



2-23-87

One day later



2-24-87

Near maximum light



5-20-87

About when I saw it



8-23-87

LMC w/arrow

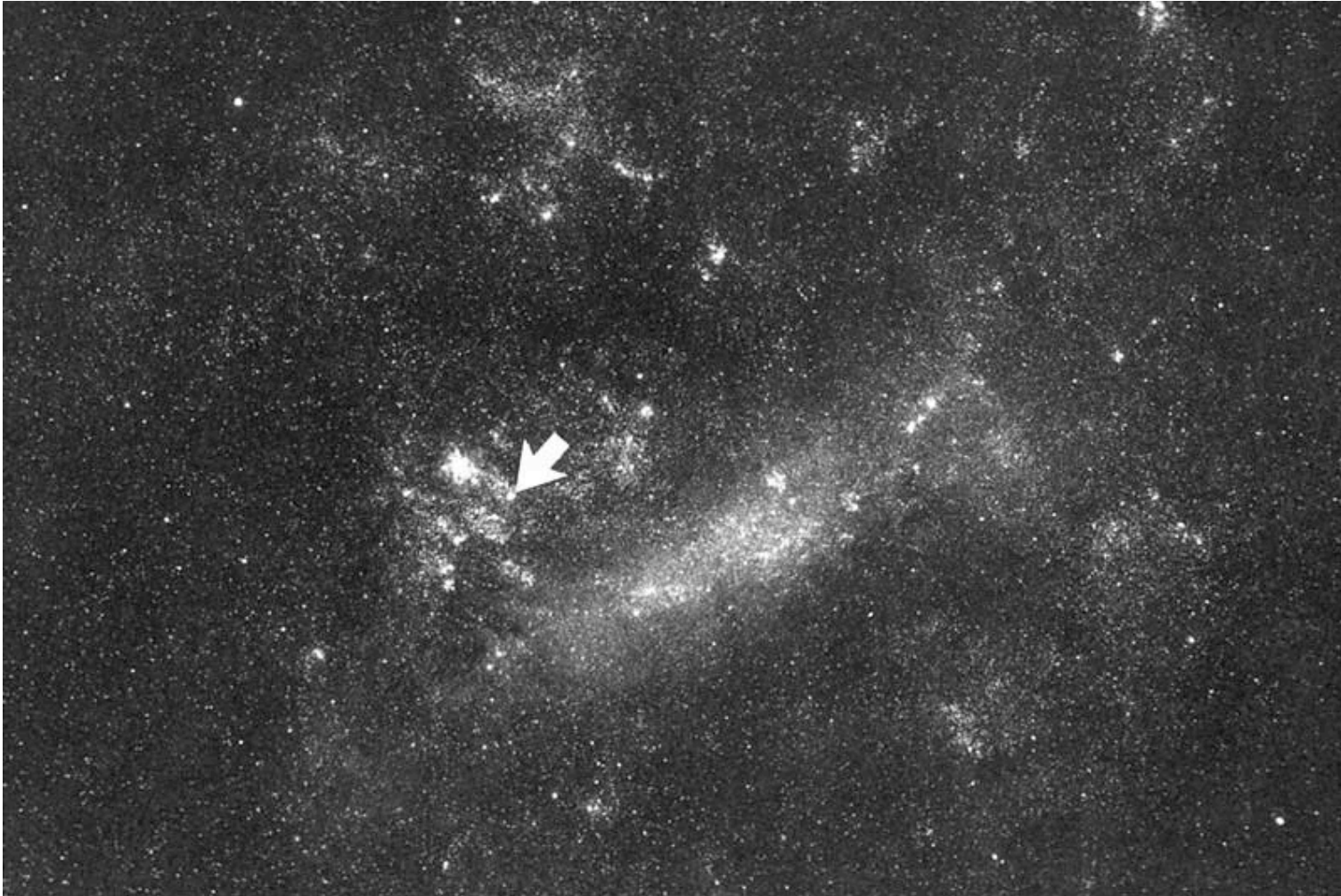
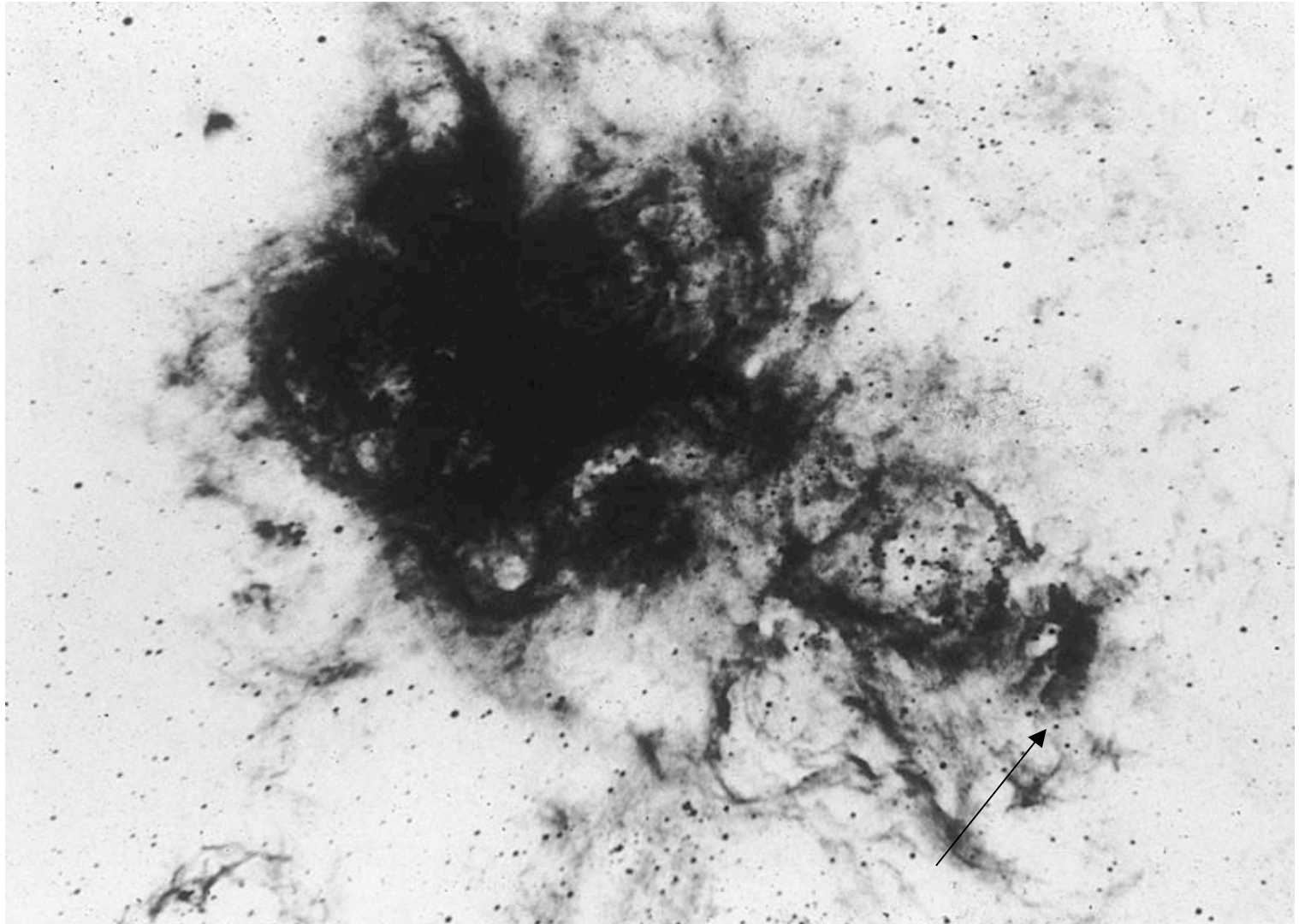
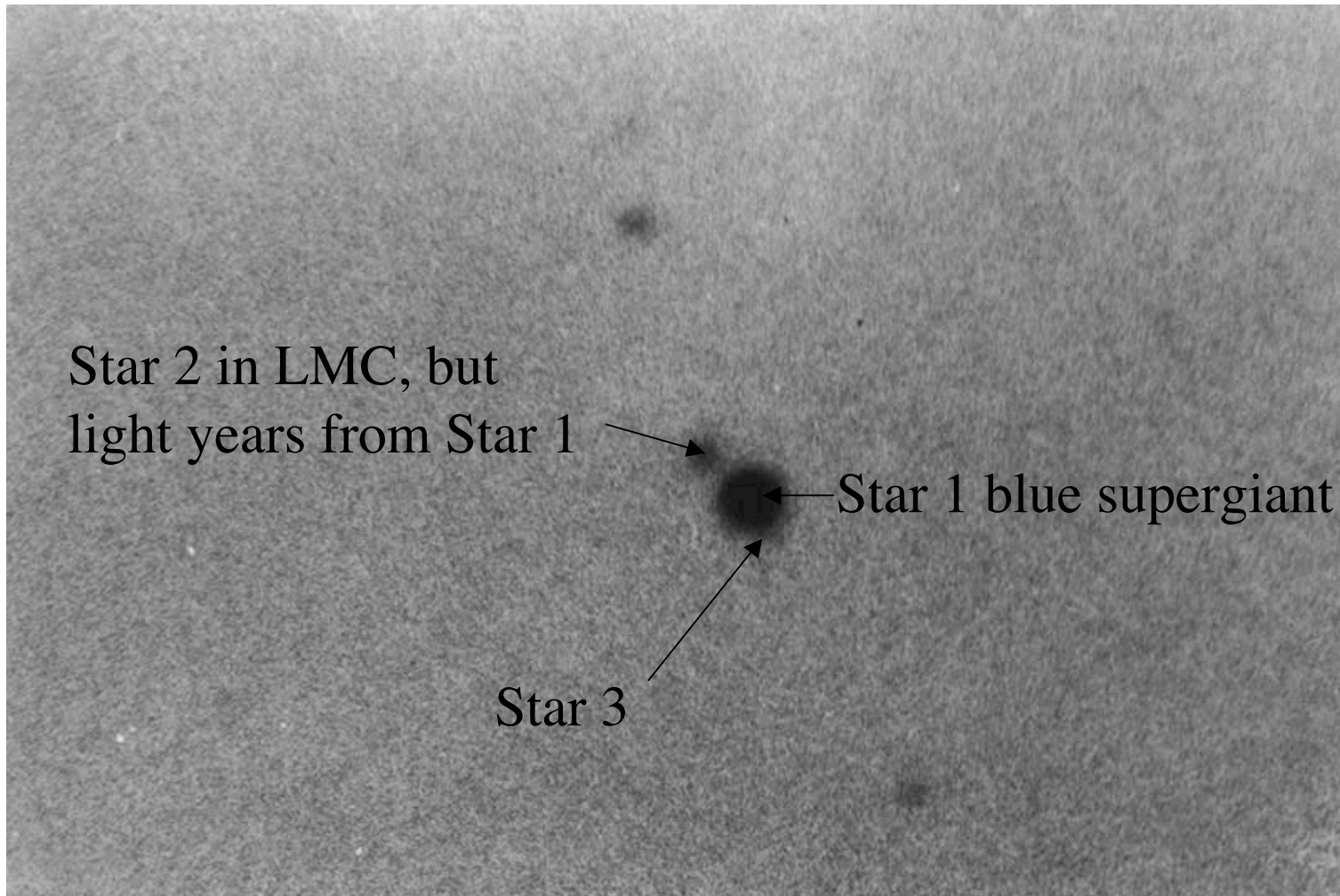


Photo of progenitor star (giraffe)



Stars 1, 2, 3



Close-up

Supernova 1987A Rings



Hubble Space Telescope
Wide Field Planetary Camera 2

