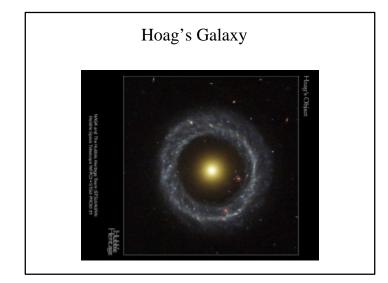
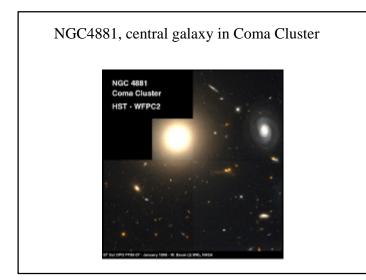
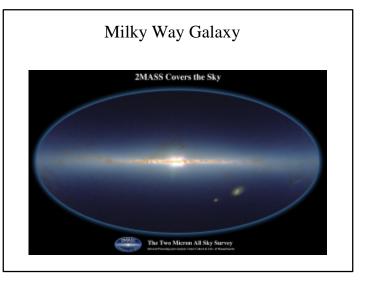
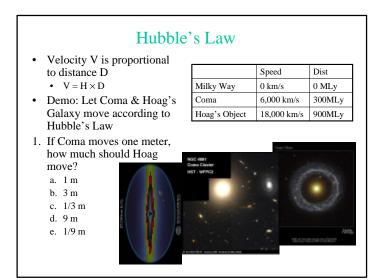


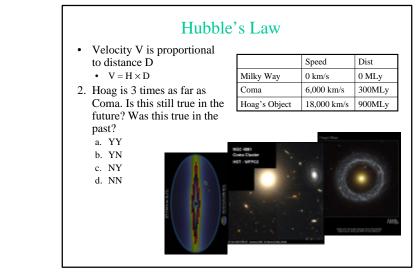
v=6000km/s











## Hubble's Law

- $V = H \times D$
- 2. Hoag is 3 times as far as Coma. Is this still true in the future? Was this true in the past? YY.

	Speed	Dist
Milky Way	0 km/s	0 MLy
Coma	6,000 km/s	300MLy
Hoag's Object	18,000 km/s	900MLy

- H's Law => Universe began in a Big Bang
  - Universe was very dense
  - What became Milky Way was very close to what became Coma & Hoag's Galaxy.
- Current physics can explain universe 10<sup>-10</sup>s after Big Bang, when proto-Coma was 1 mm from proto-us.

