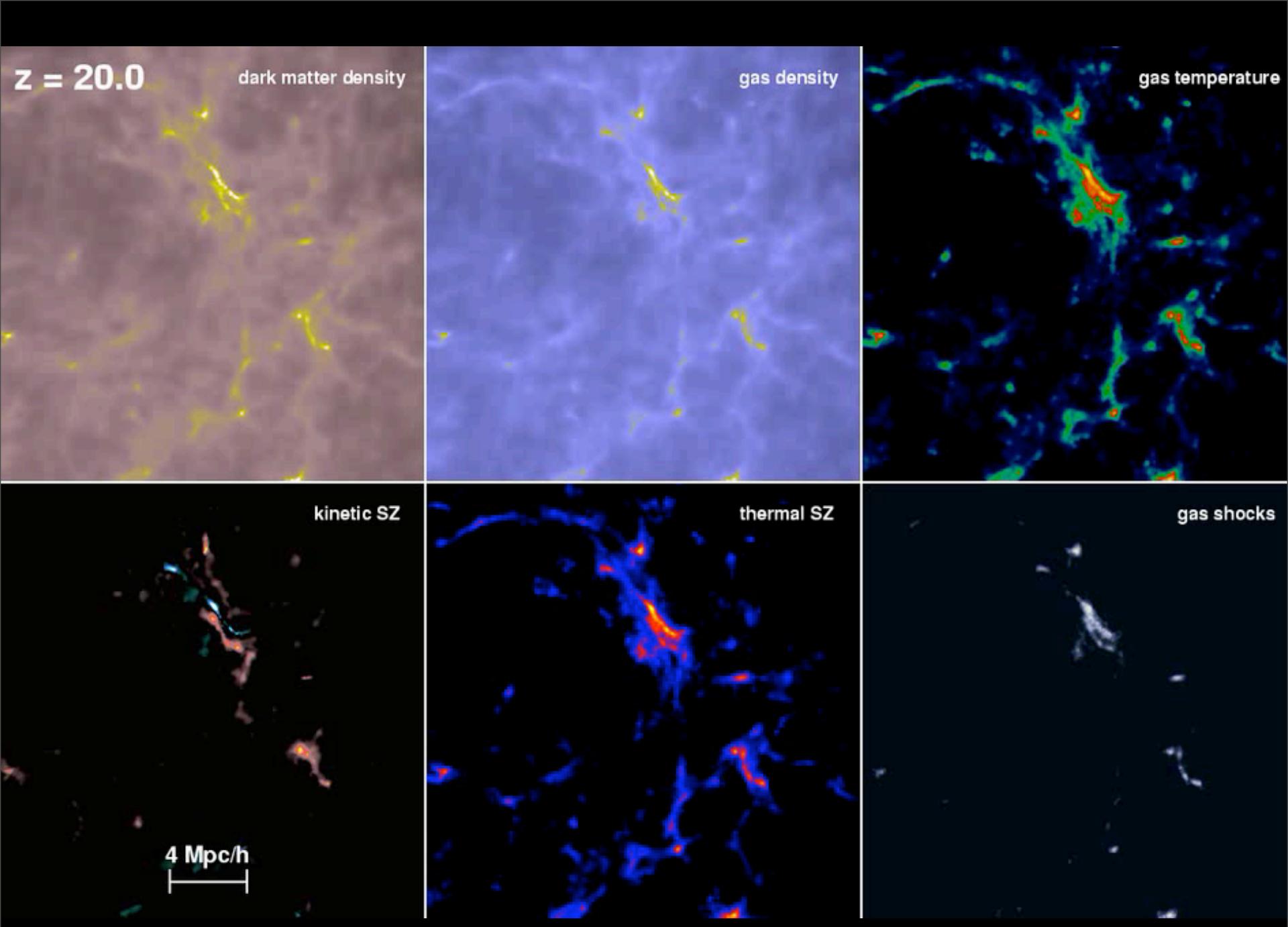
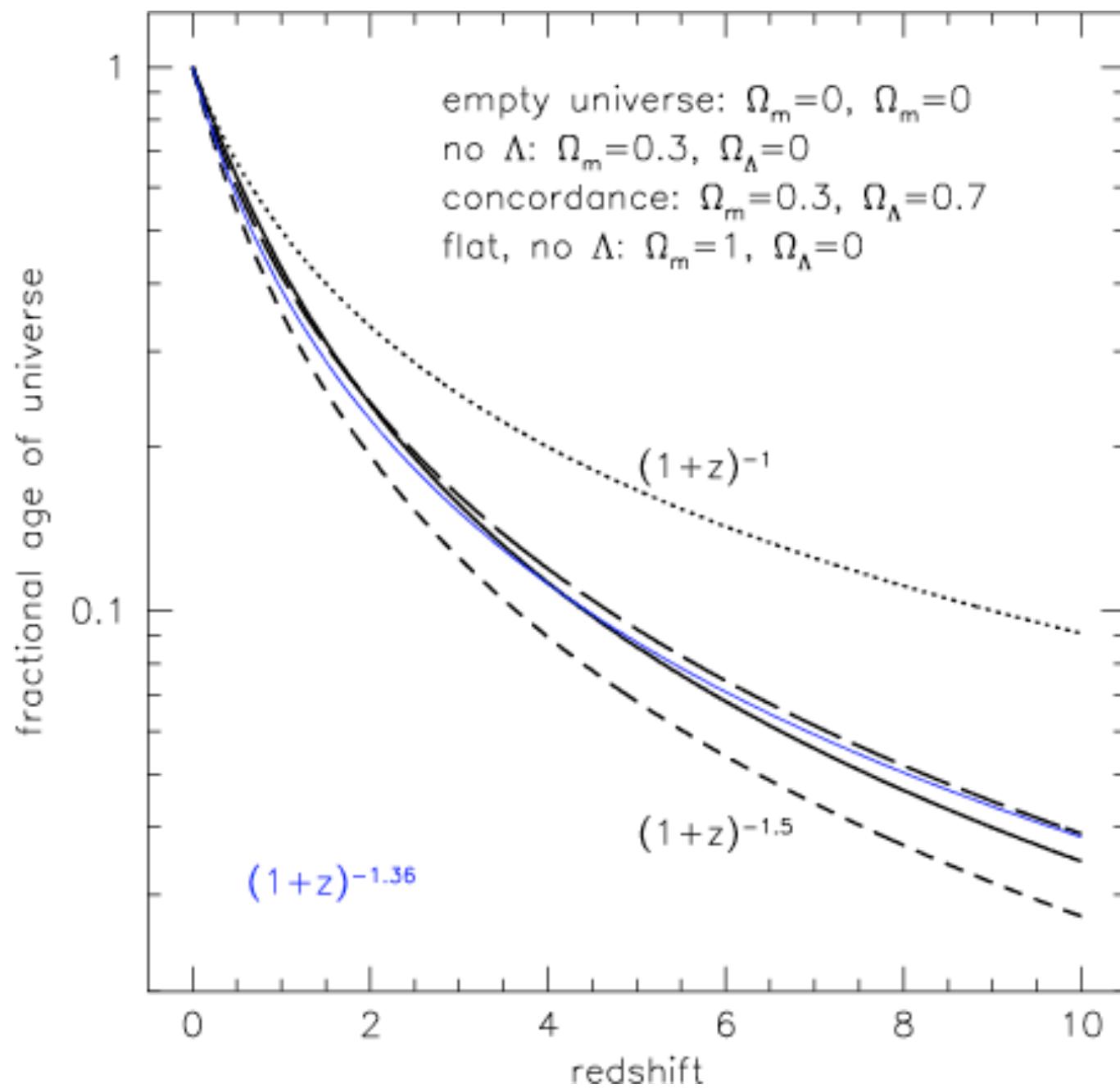
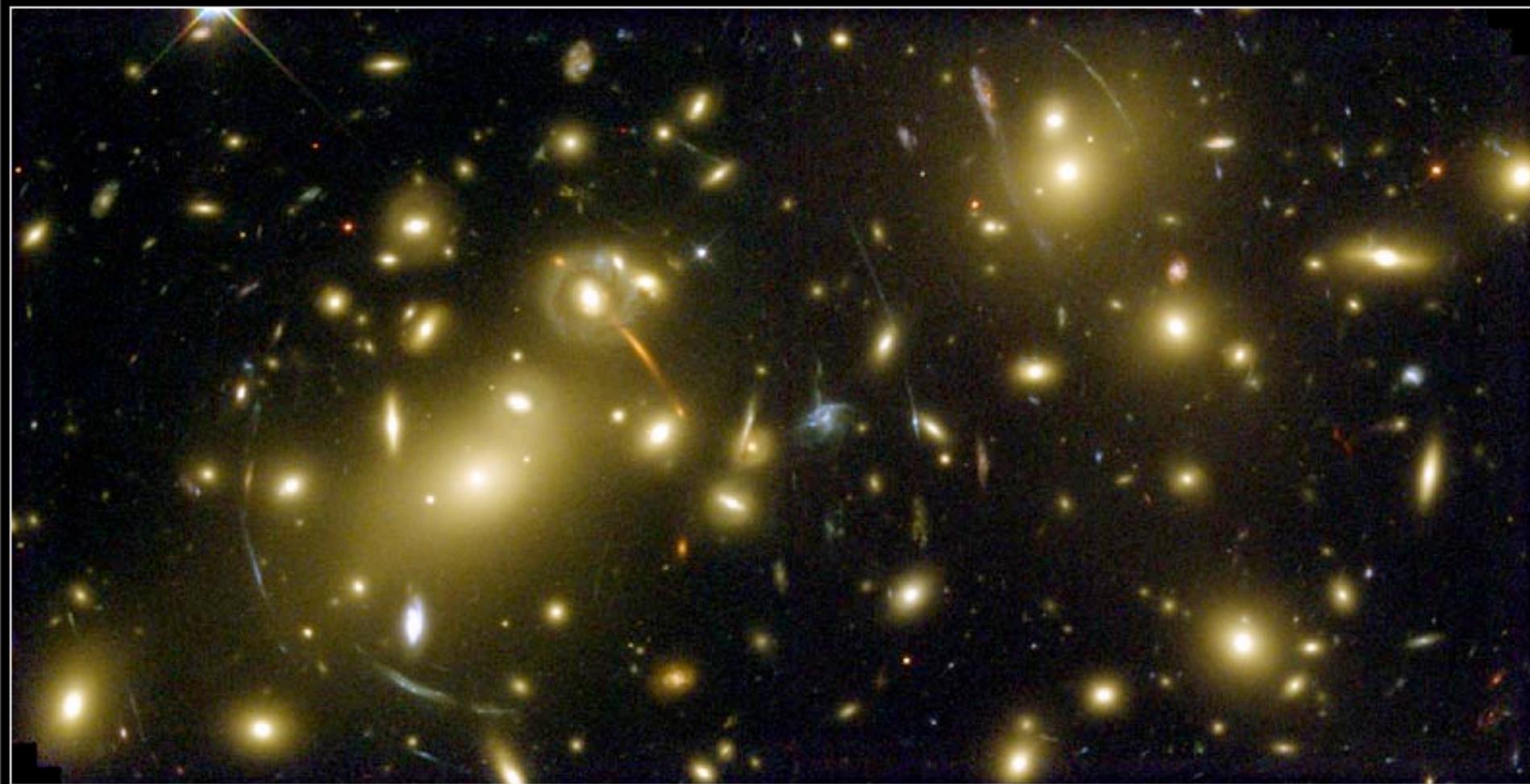


ASTR 220
Galaxies and Cosmology

April 8 2009







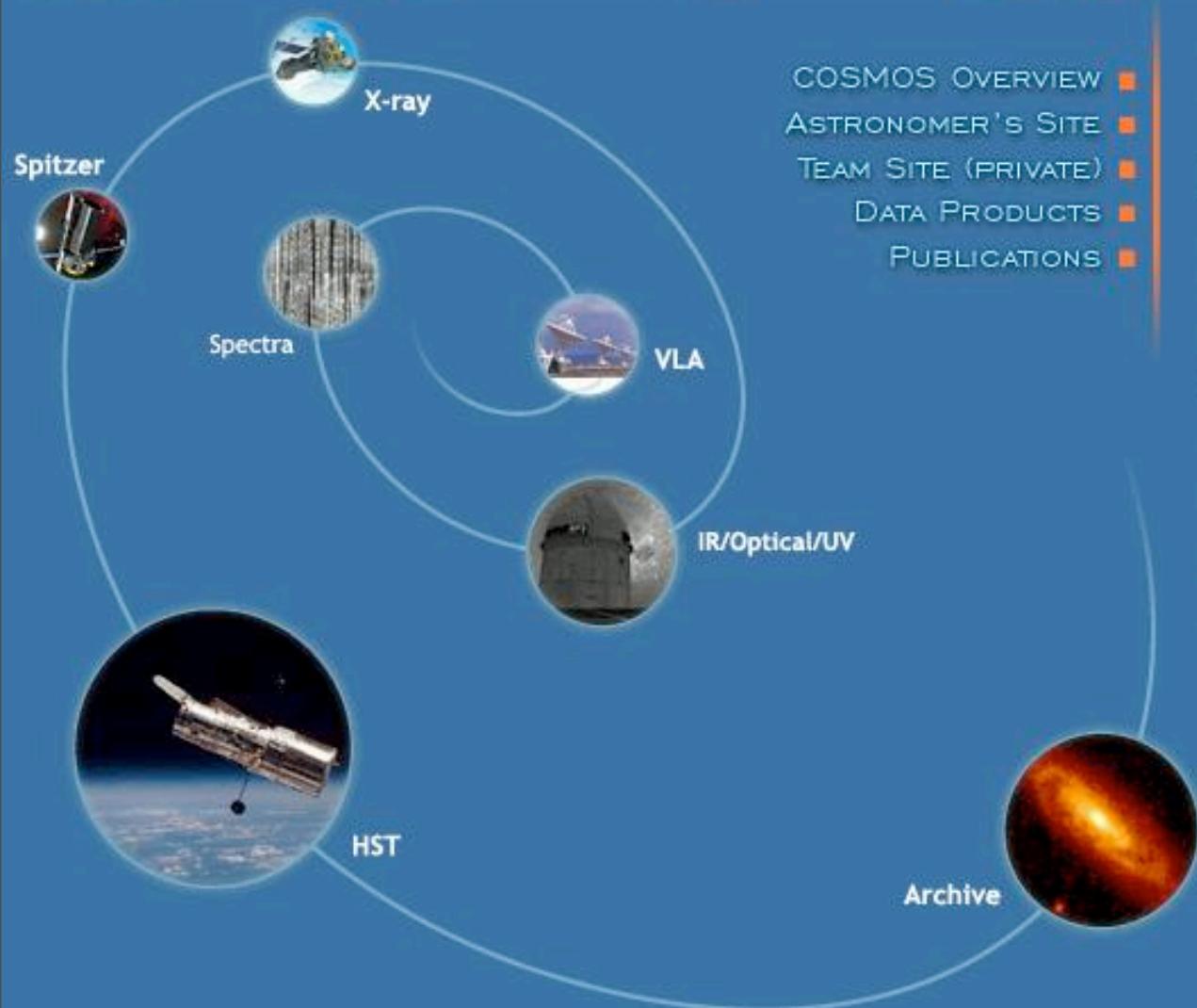
Galaxy Cluster Abell 2218

NASA, A. Fruchter and the ERO Team (STScI) • STScI-PRC00-08

HST • WFPC2



C O S M O S

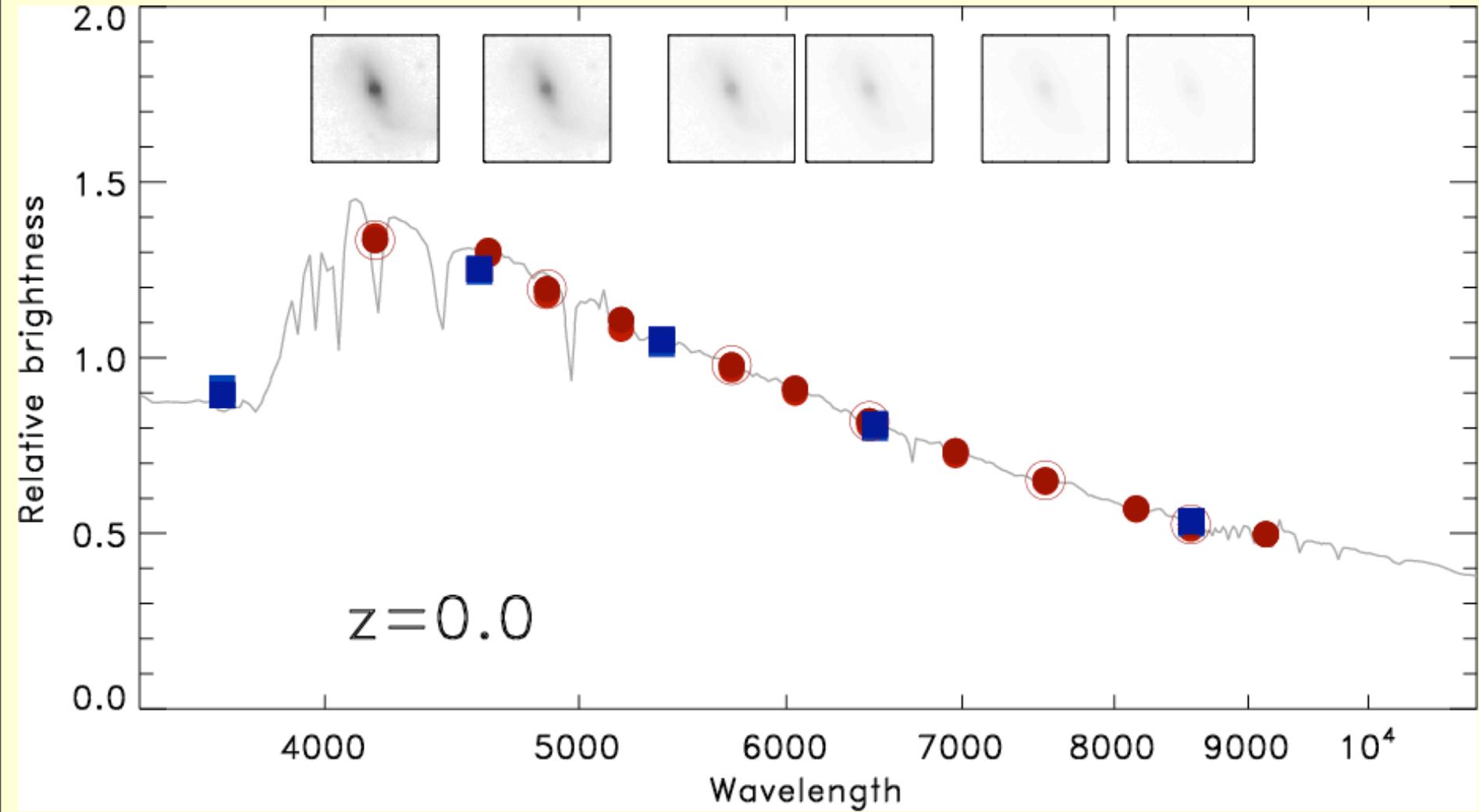


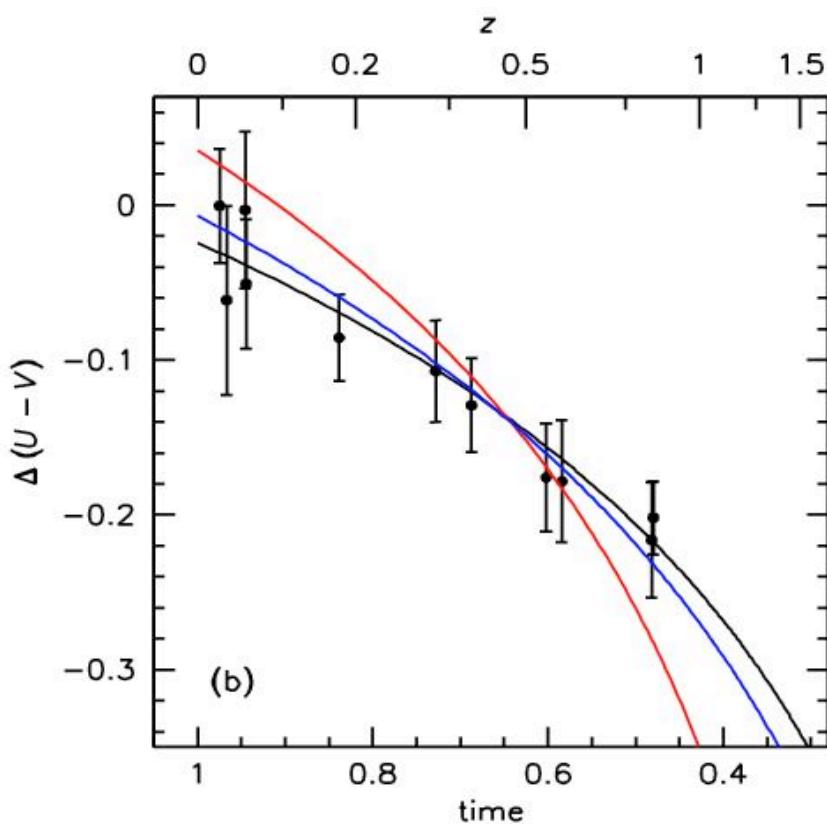
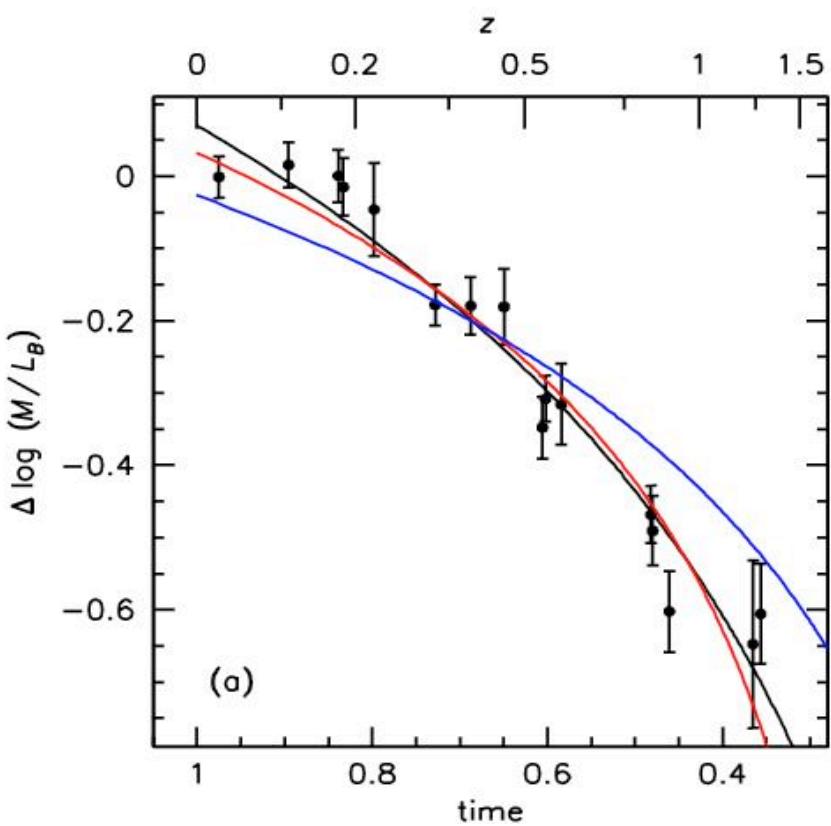
- [COSMOS OVERVIEW](#)
- [ASTRONOMER's SITE](#)
- [TEAM SITE \(PRIVATE\)](#)
- [DATA PRODUCTS](#)
- [PUBLICATIONS](#)

The Cosmological Evolution Survey (COSMOS) is an astronomical survey designed to probe the formation and evolution of galaxies as a function of cosmic time (redshift) and large scale structure environment. The survey covers a 2 square degree equatorial field with imaging by most of the major space-based telescopes (Hubble, Spitzer, GALEX, XMM, Chandra) and a number of large ground based telescopes (Subaru, VLA, ESO-VLT, UKIRT, NOAO, CFHT, and others). Over 2 million galaxies are detected, spanning 75% of the age of the universe. The COSMOS survey involves almost 100 scientists in a dozen countries.

COSMOS in the News



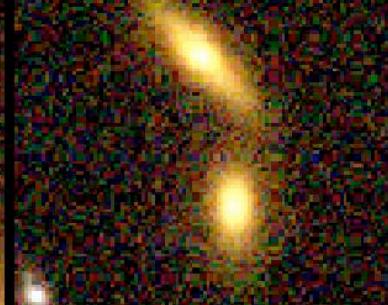
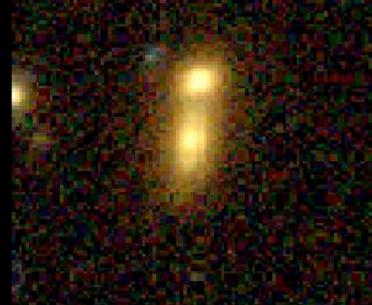
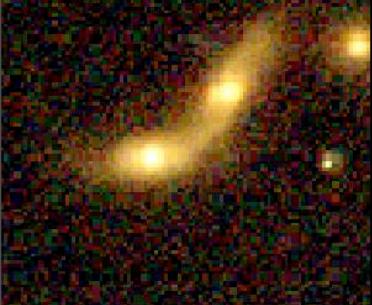




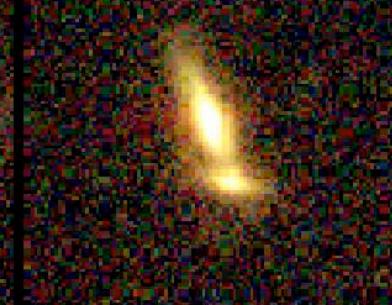
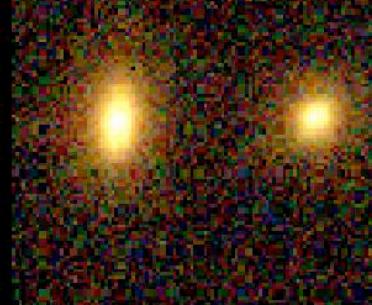
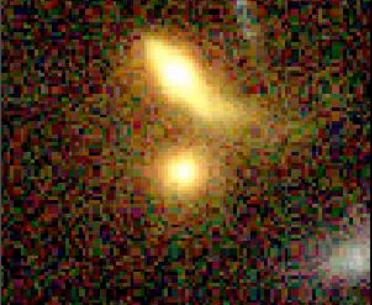




H3495/3524 H4459/4528 H4520/4822 H4715/4822 H5280/5298

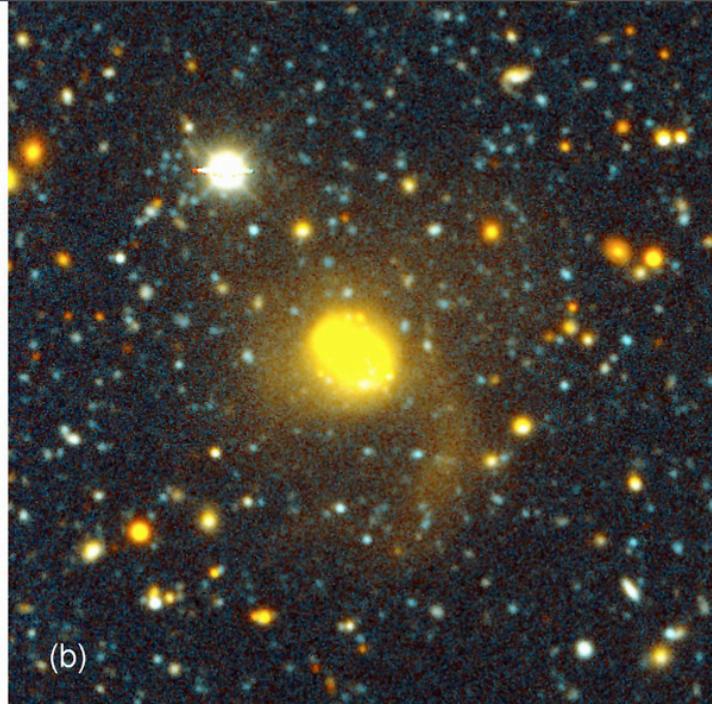


H5347/5543 H5577/5607 H5840/5940 H6036/6064 H6688/6695

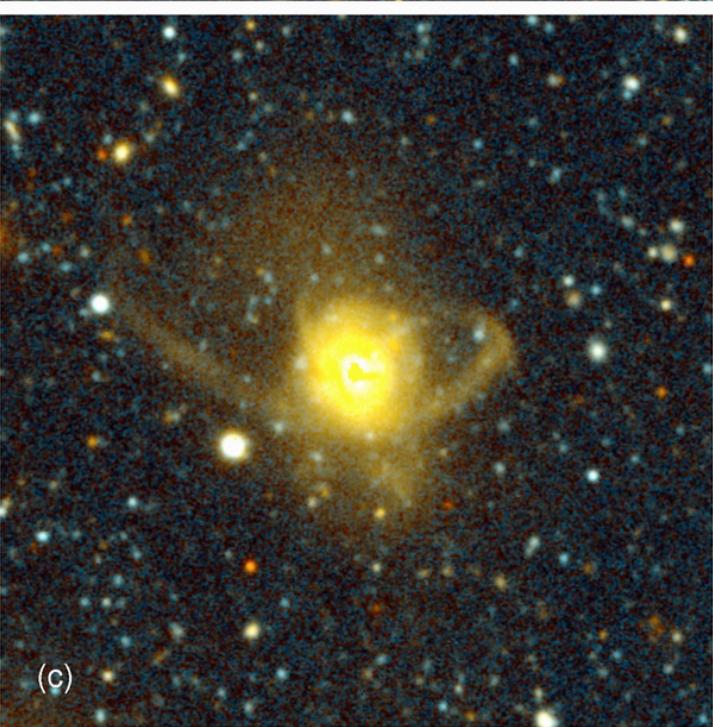




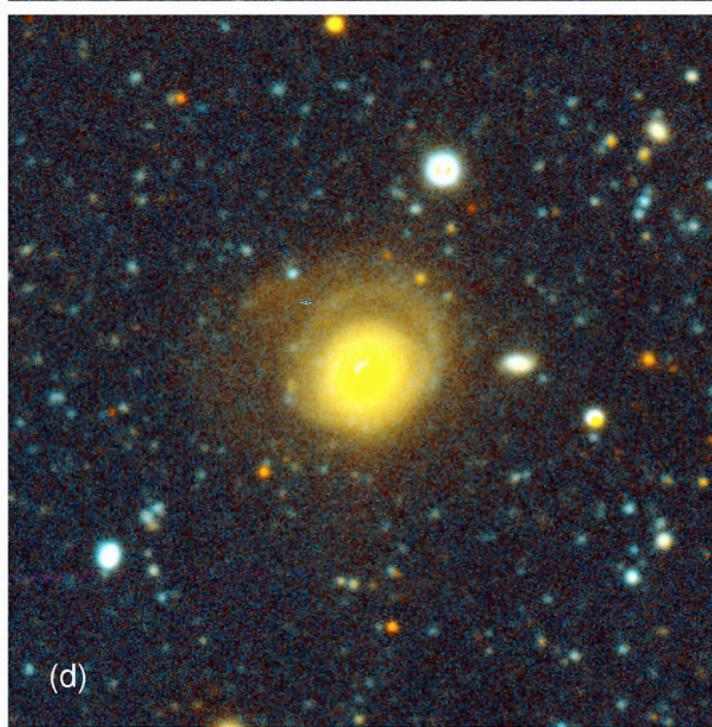
(a)



(b)

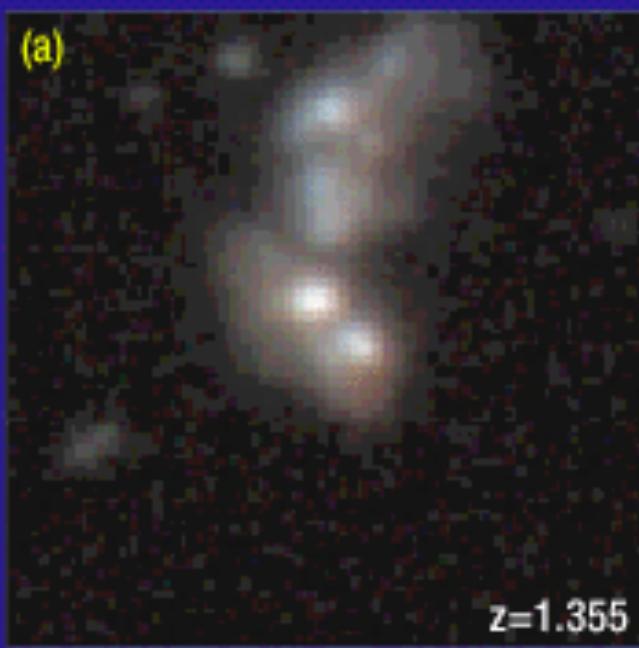


(c)

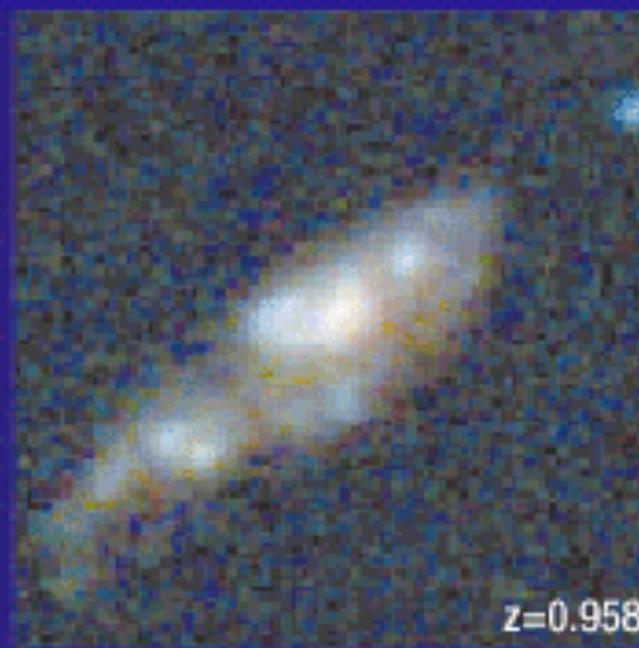


(d)

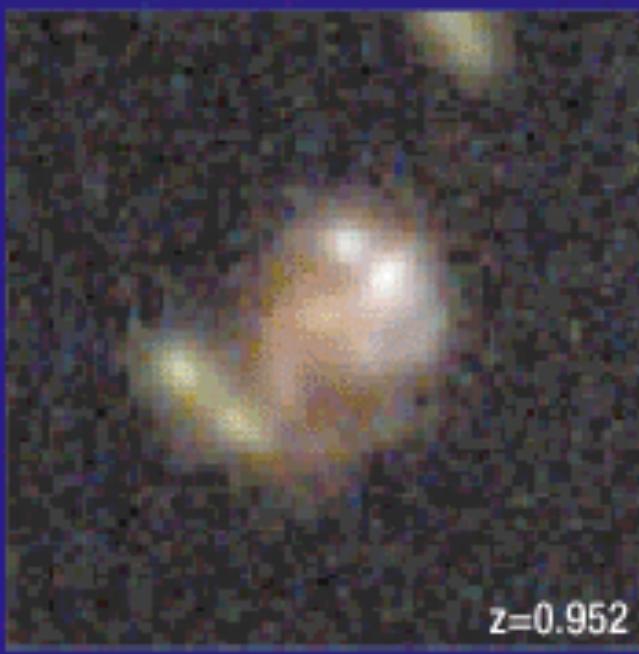
(a)



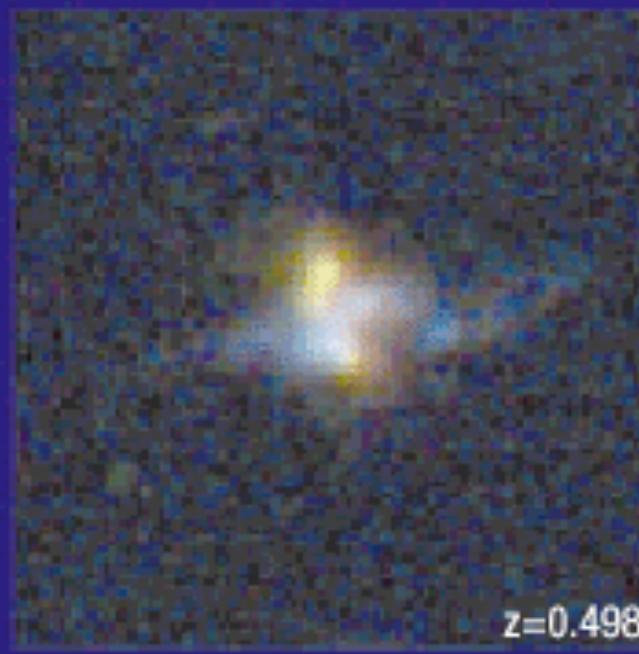
$z=1.355$



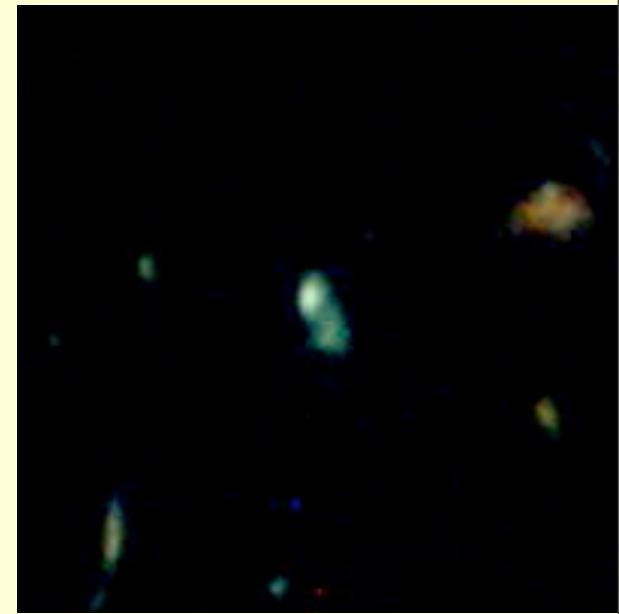
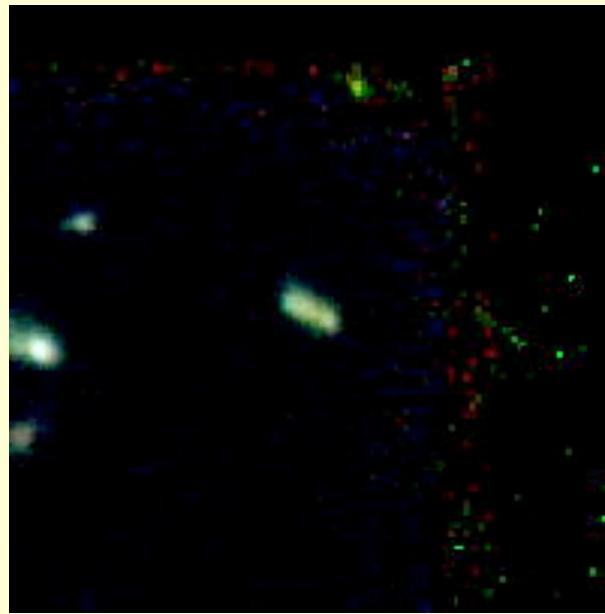
$z=0.958$

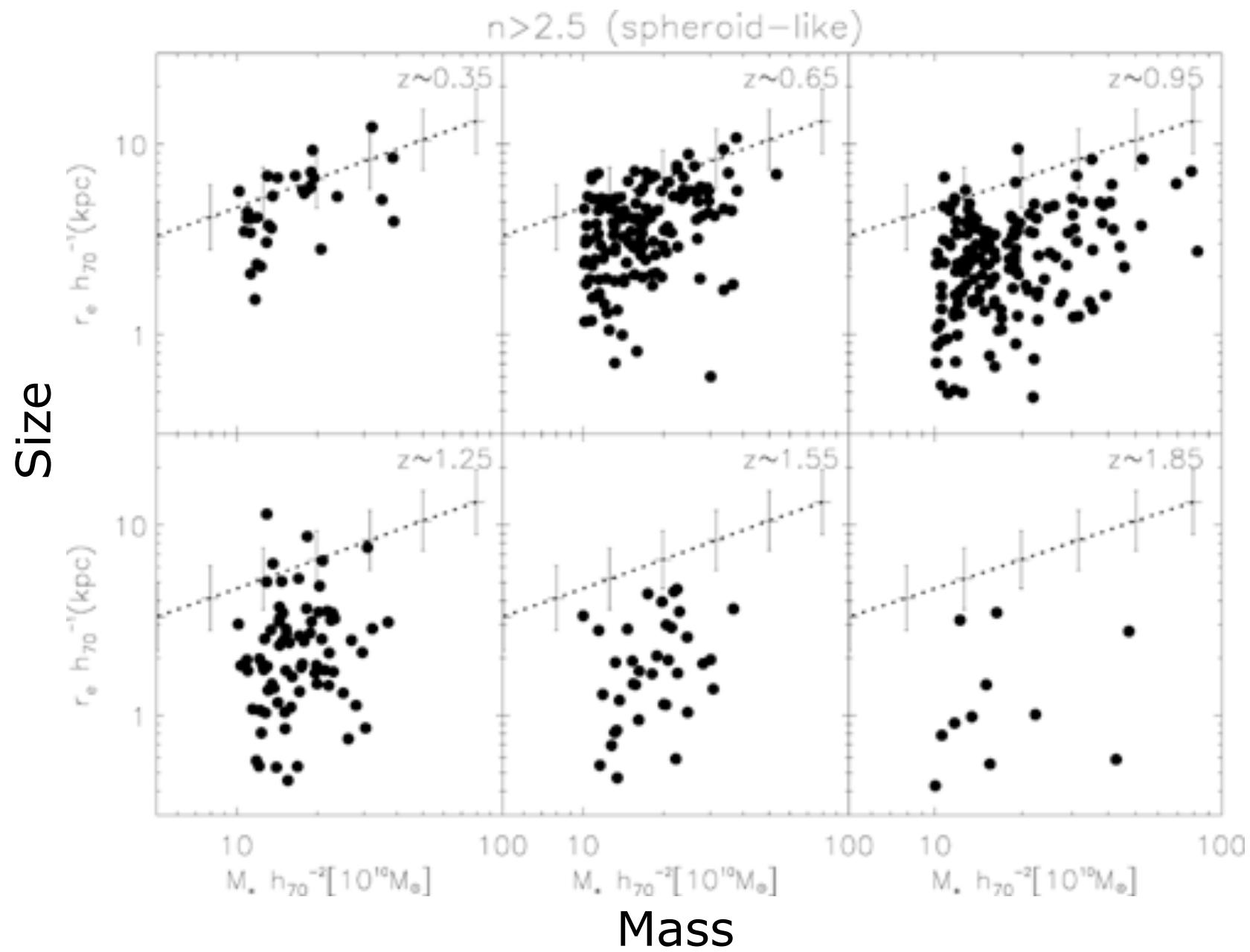


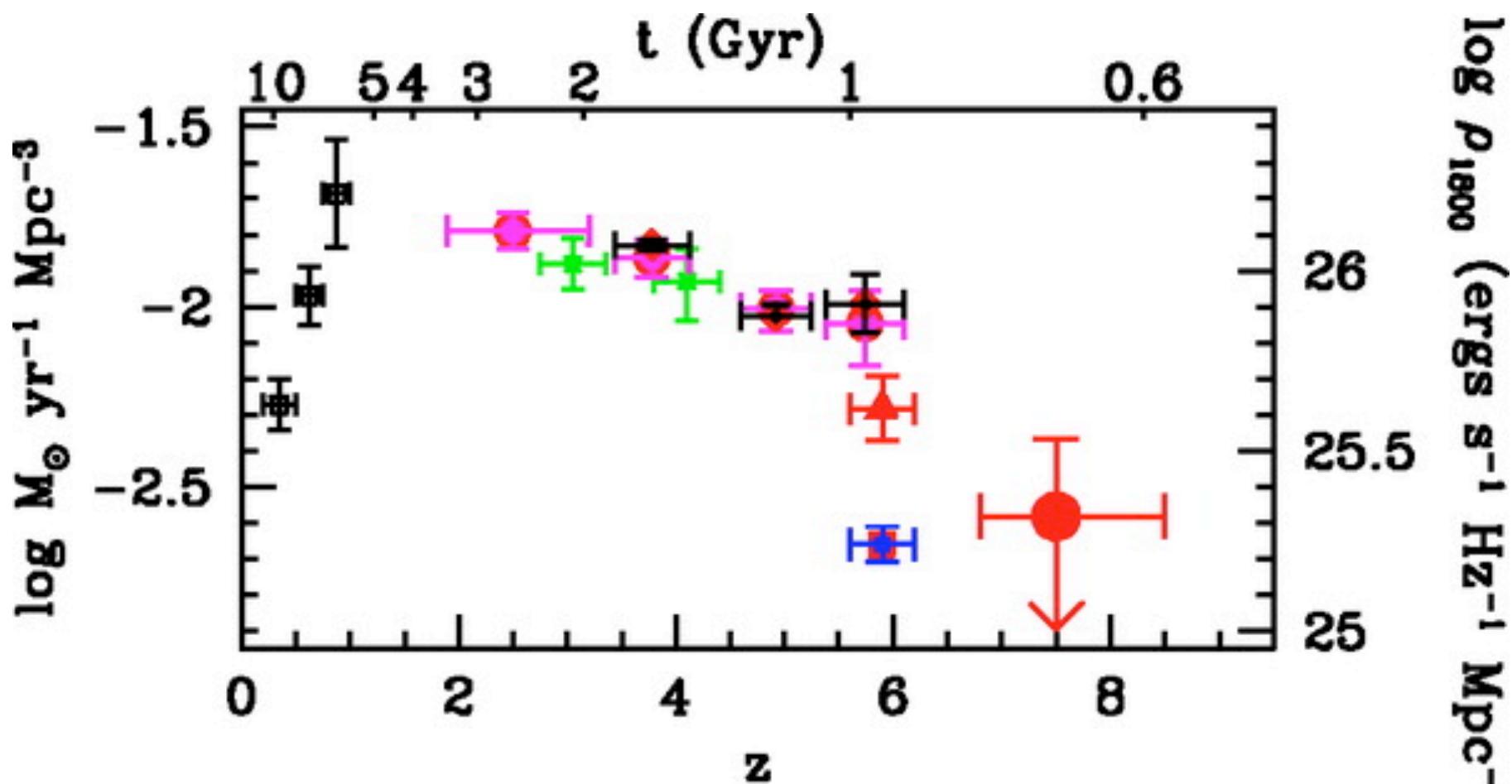
$z=0.952$

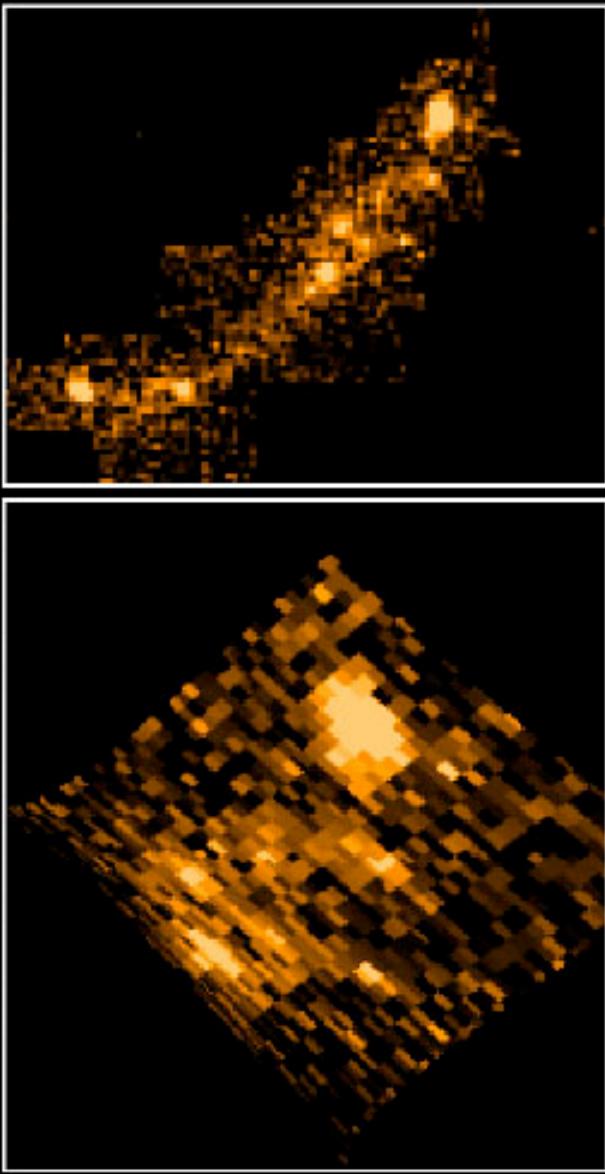


$z=0.498$









Gravitationally Lensed Image of Highest Redshift Galaxy

PRC97-25 • ST Scl OPO • July 30, 1997

M. Franx (Kapteyn Astronomical Institute), G. Illingworth (Lick Observatory) and NASA

HST
WFPC2

