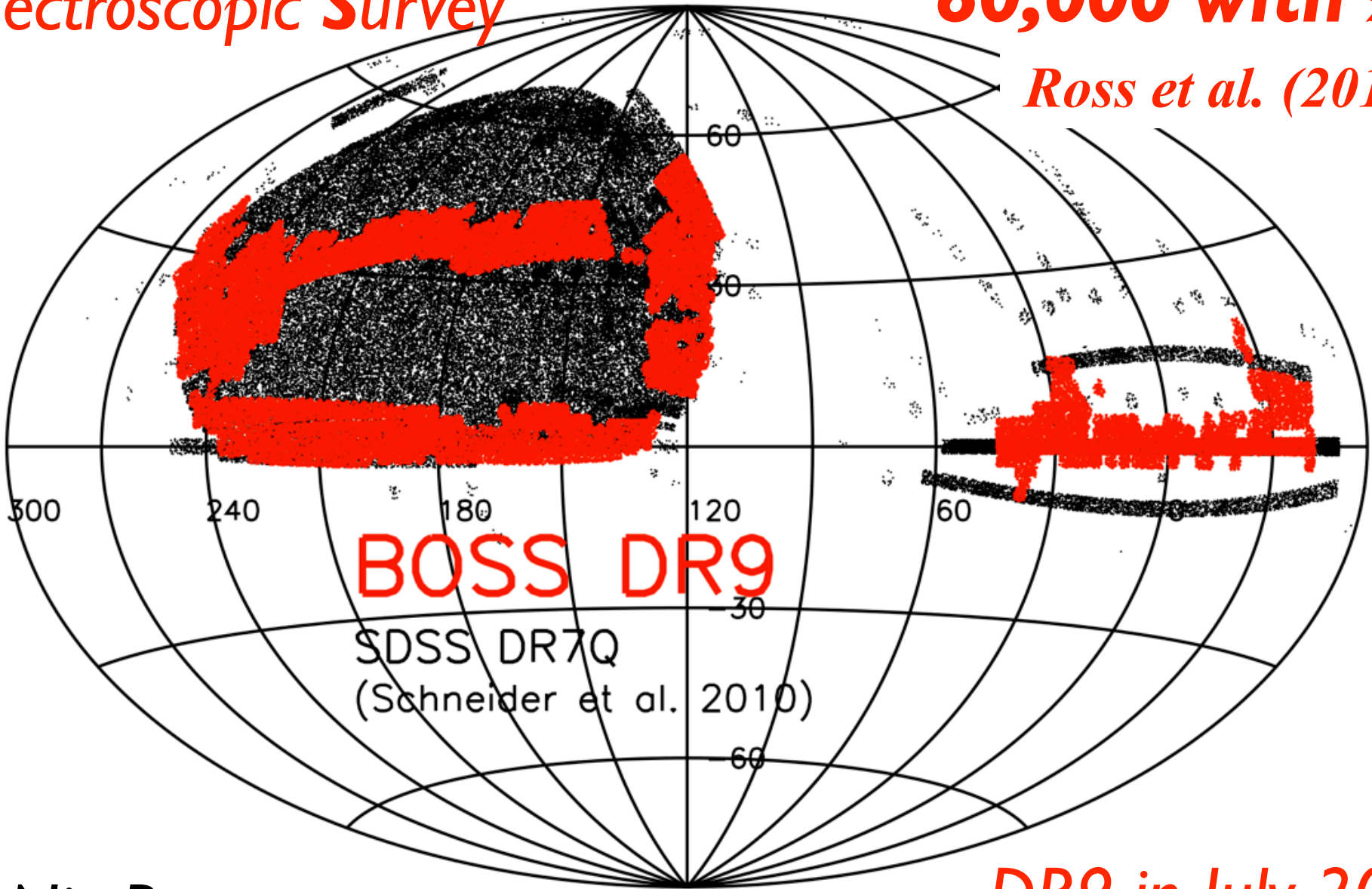


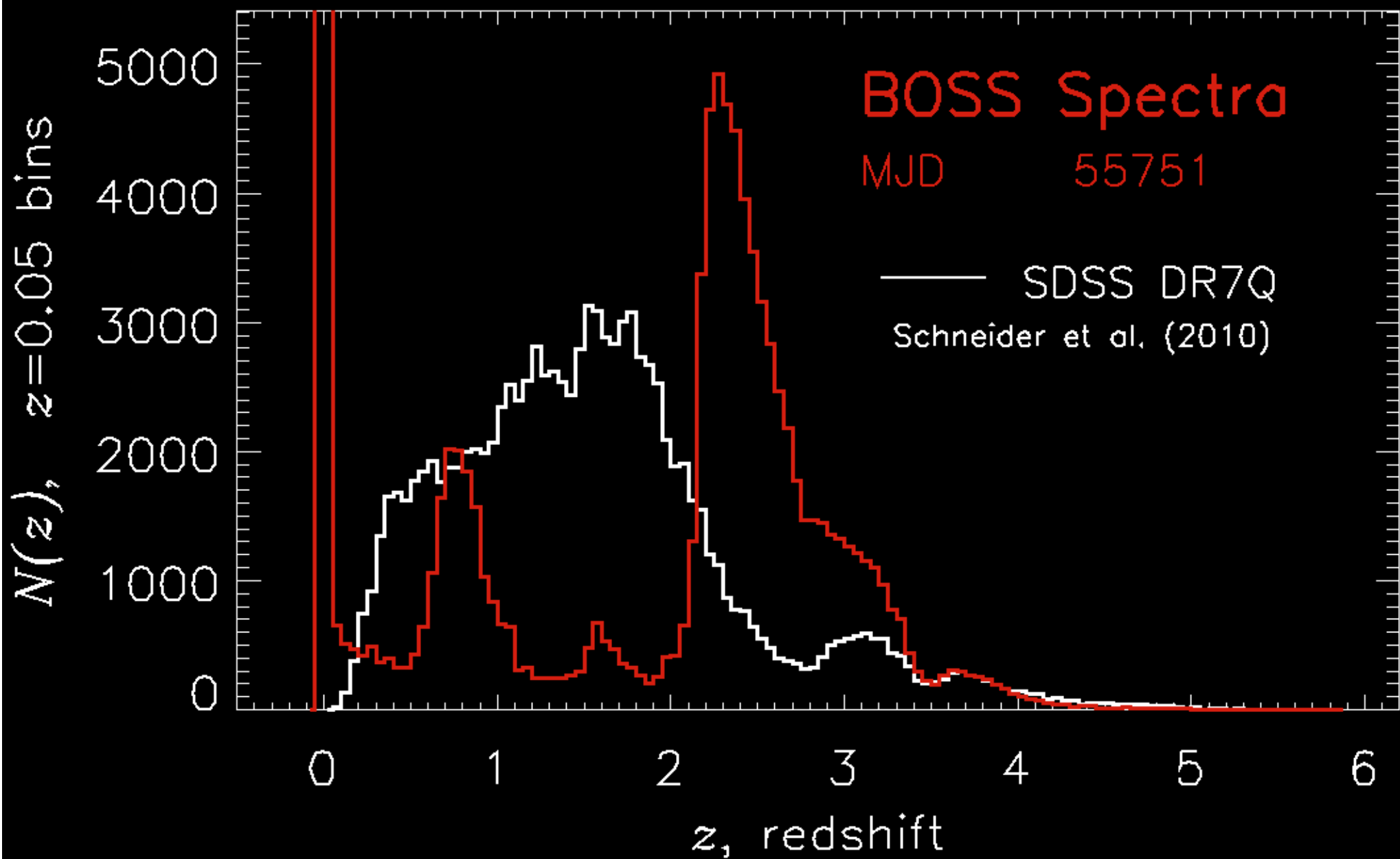
SDSS-III: Baryon Oscillation Spectroscopic Survey

90,000 quasar spectra
60,000 with $z > 2$
Ross et al. (2011a)

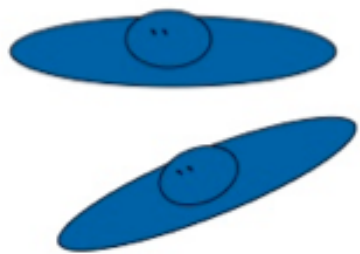


Nic Ross
(Berkeley Lab)

DR9 in July 2012
830,000 spectra



*Clustering / Halo mass
increasing*



gas-rich
galaxy(s)



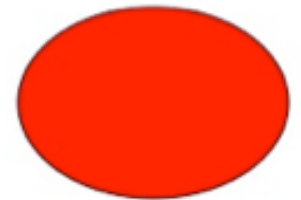
SMG/ULIRG



obscured
quasar

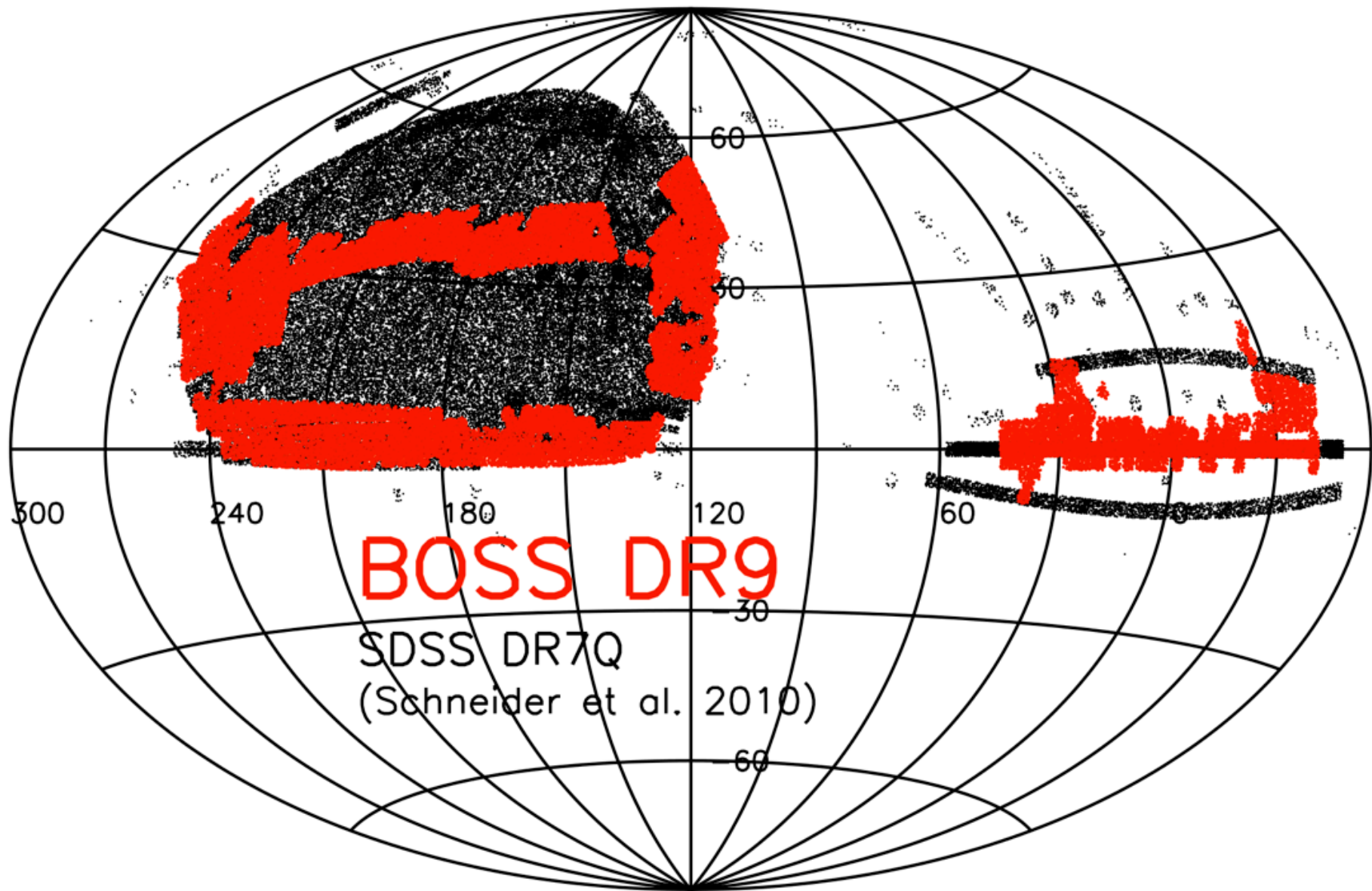


unobscured
quasar



early-type
galaxy

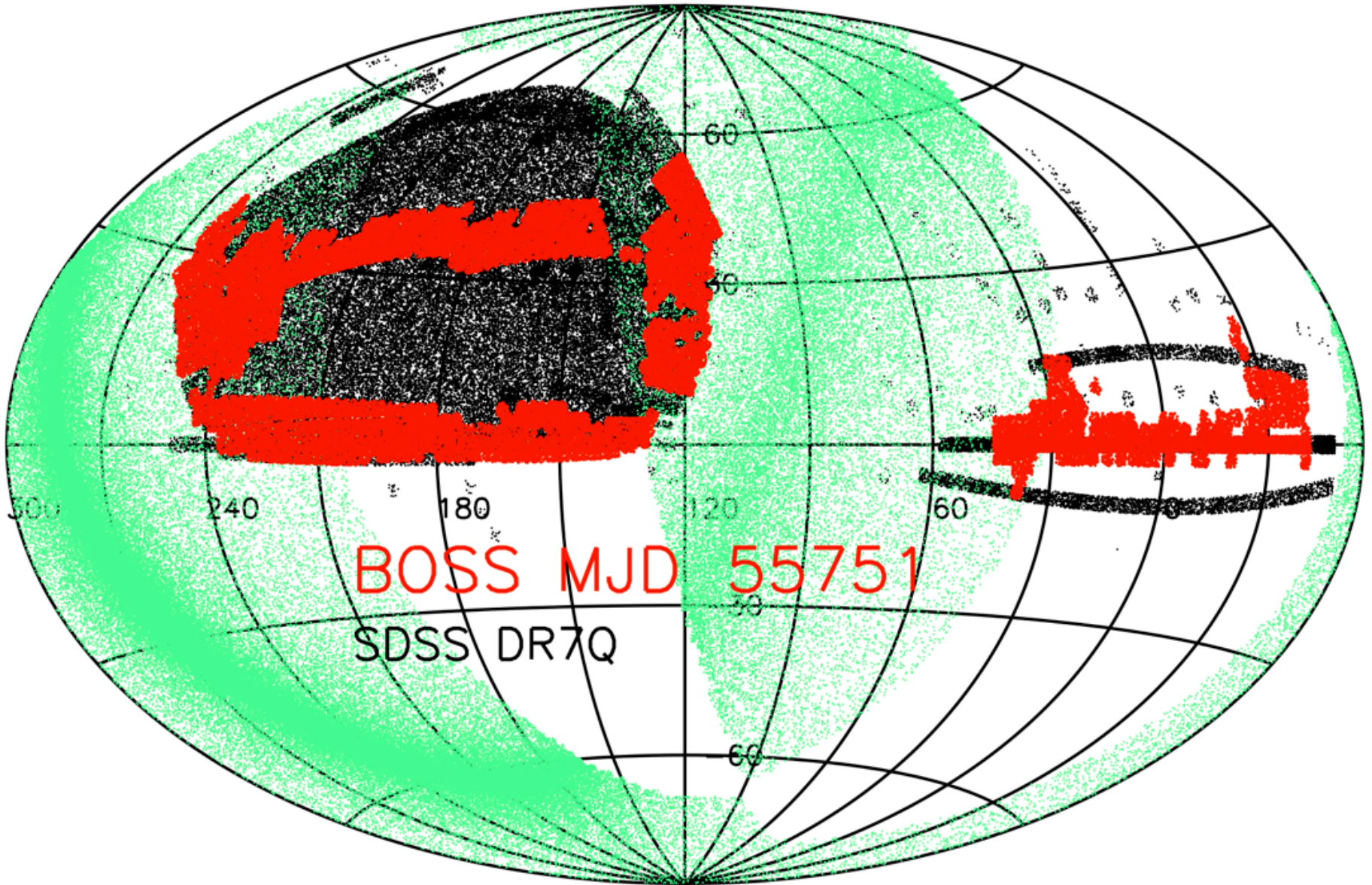
Alexander & Hickox (2011)

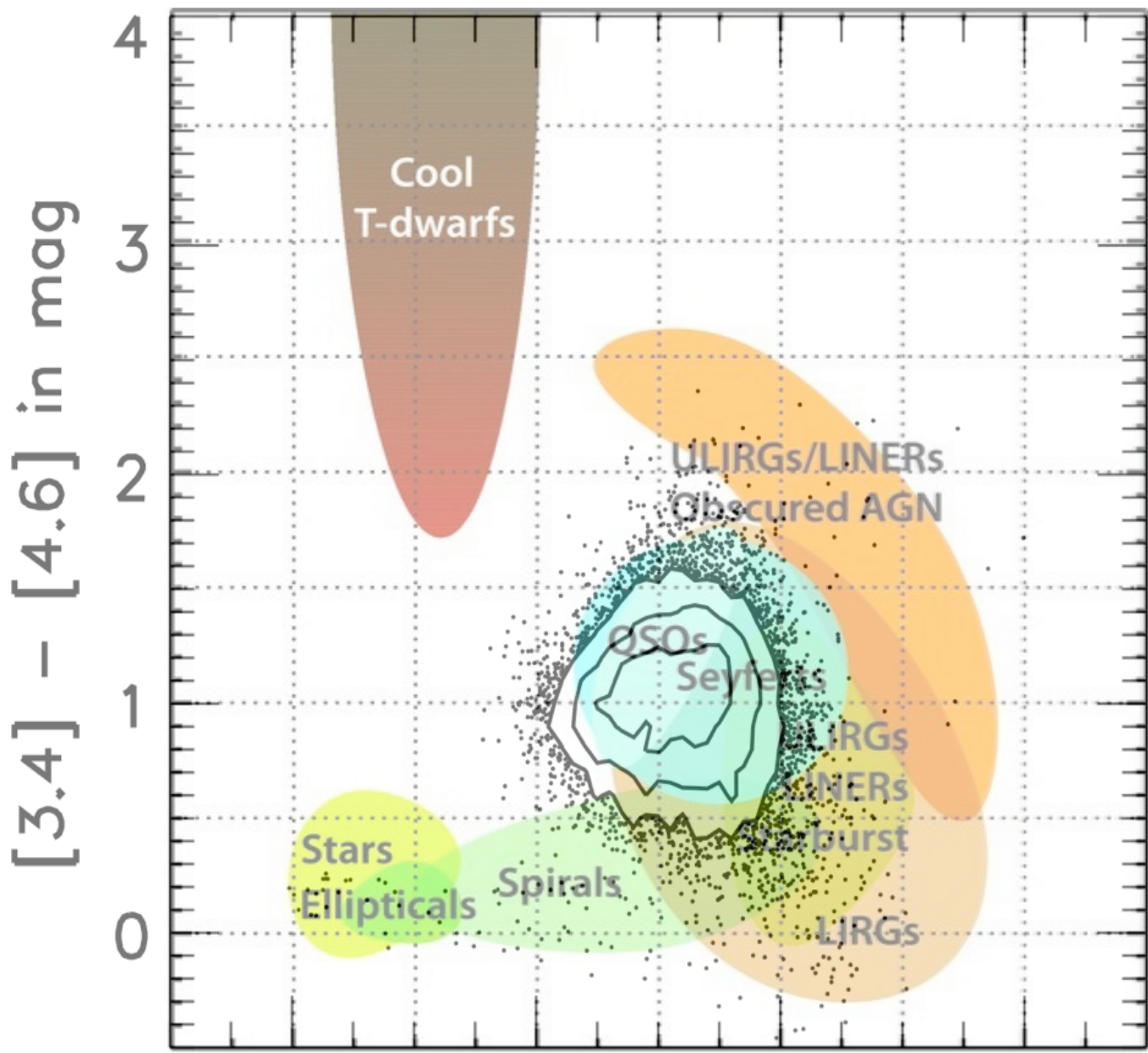


BOSS DR9

SDSS DR7Q
(Schneider et al. 2010)

“A WISE BOSS”

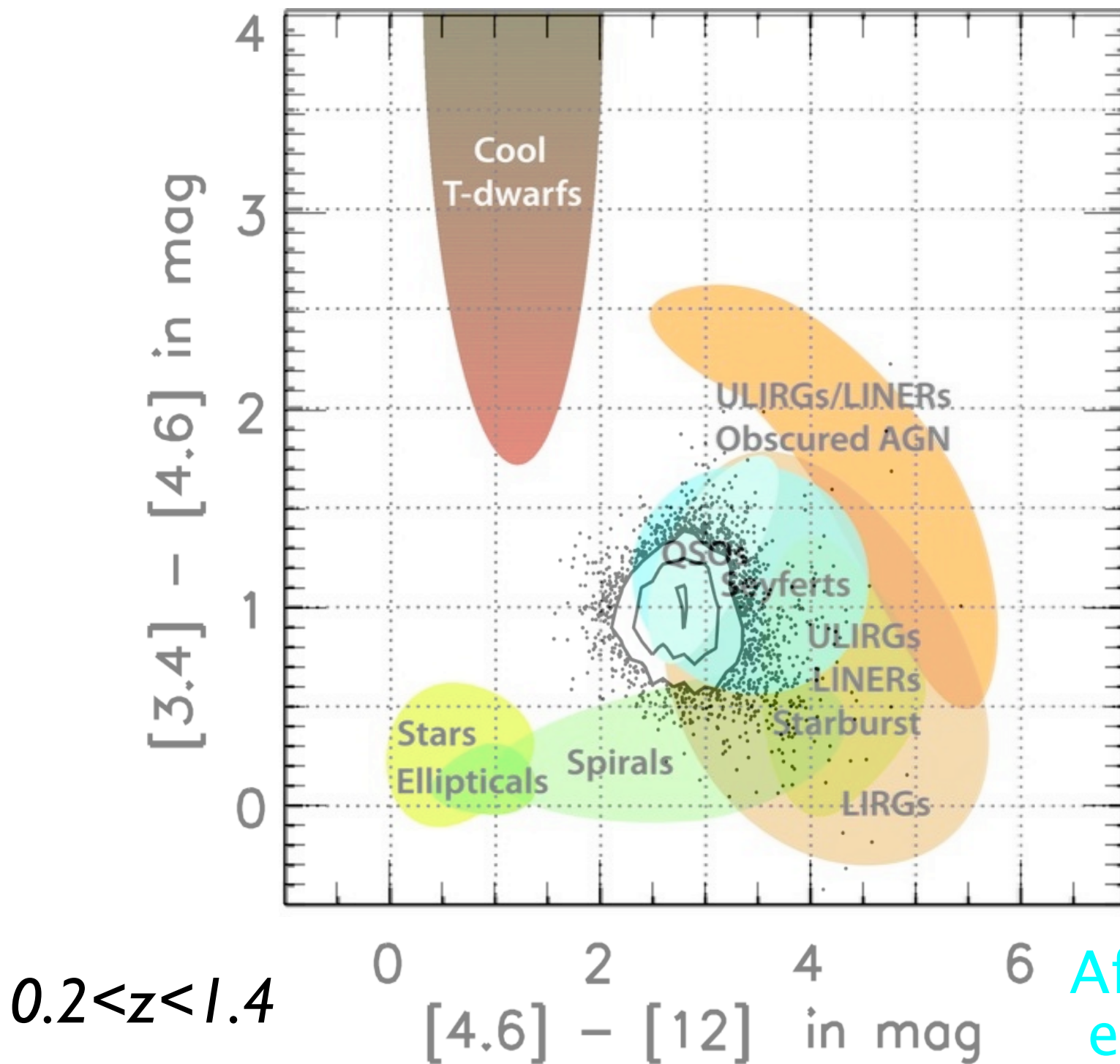




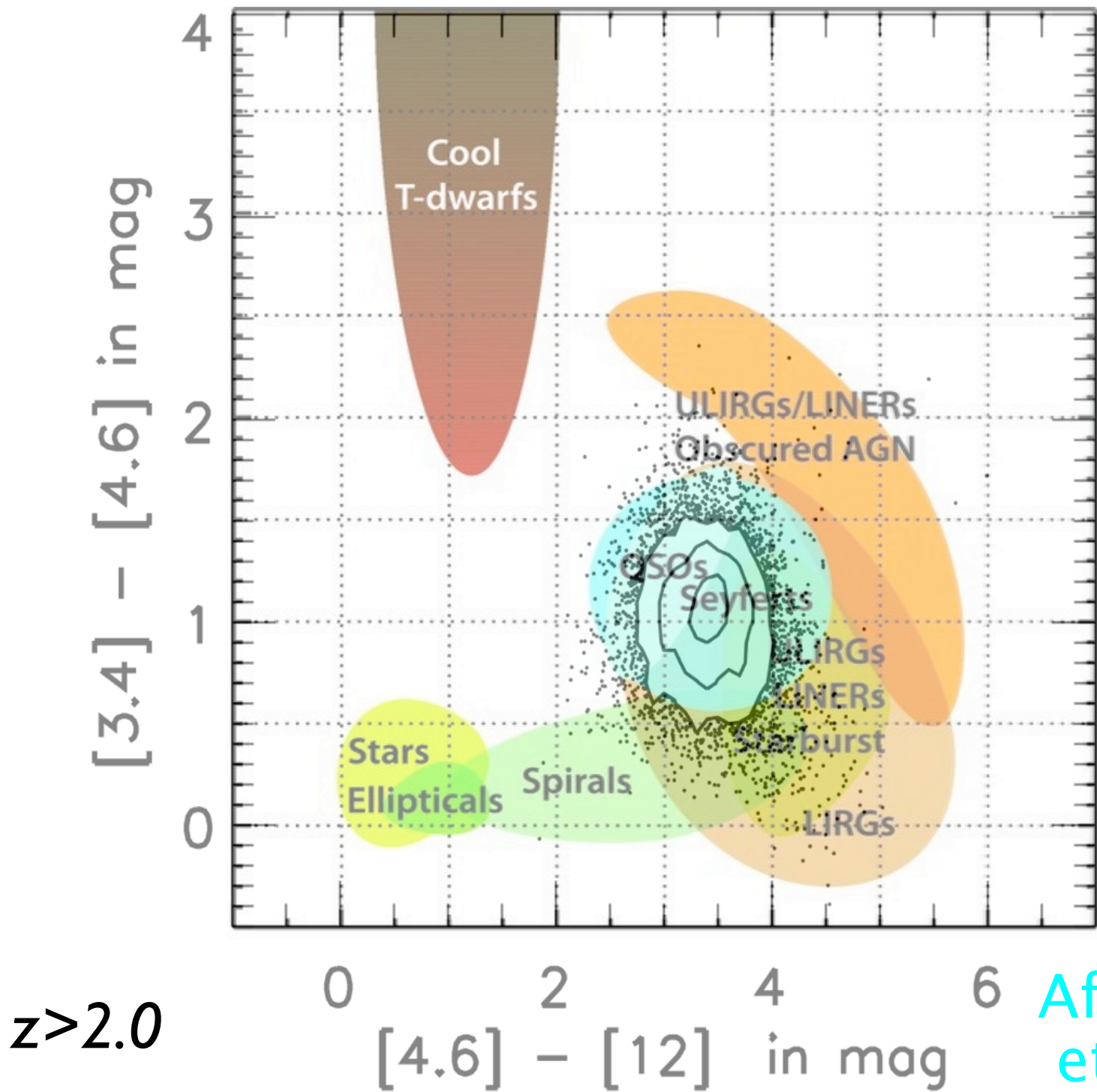
All BOSS+WISE
matches

0 2 4 6
[4.6] - [12] in mag

After: Wright
et al. (2010)



After: Wright et al. (2010)



$z > 2.0$

After: Wright et al. (2010)