

Galaxies & AGN at "moderate" redshift

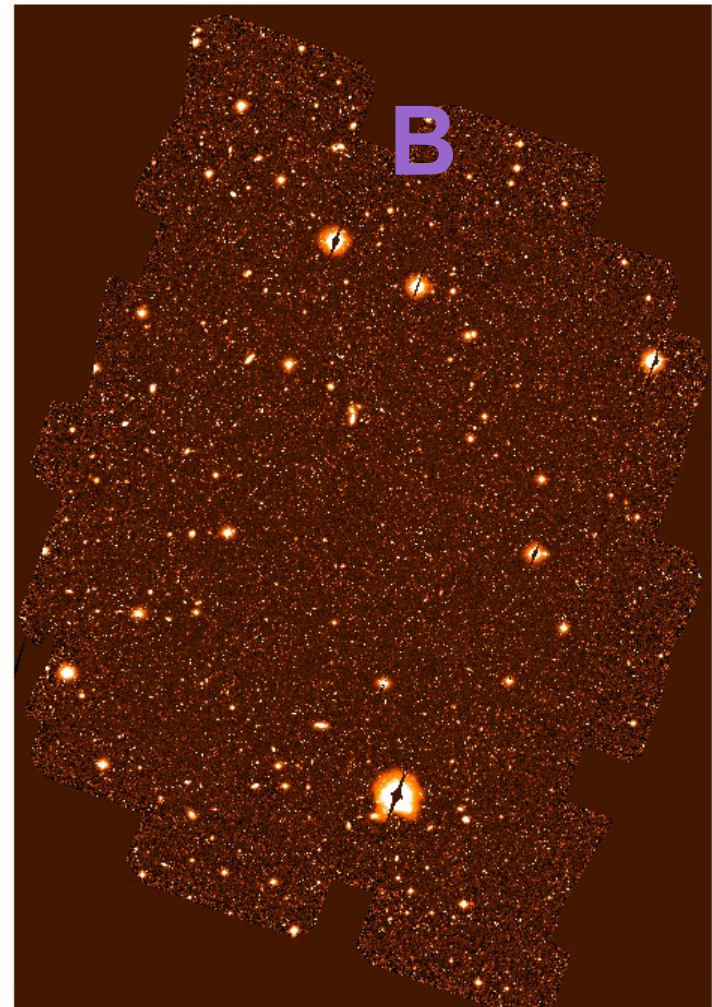
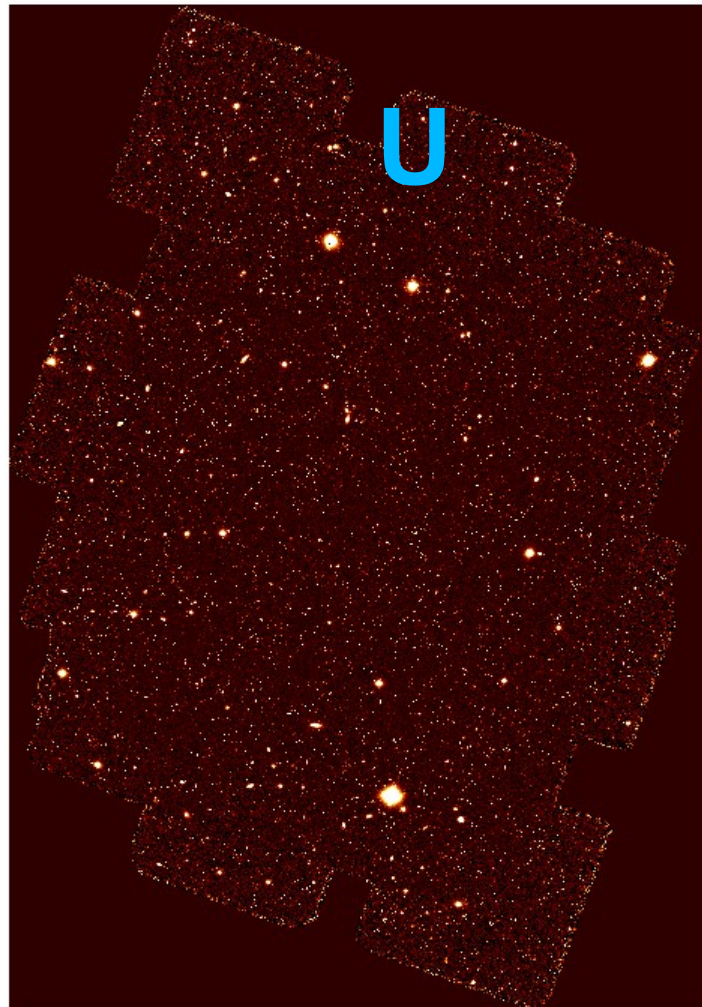
- Fields: GOODS, (Cosmos)
-
- Moderate: $z \sim 2-5$
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- Images: ground based! (VLT+Suprime)

Lot of effort towards very high
 z ($> \sim 7$) objects discovery

Lower redshift miss wide & deep areal coverage

New moderately wide but deep GOODS-South
ground based imaging, mainly aimed at $z \sim 2 \rightarrow 5$

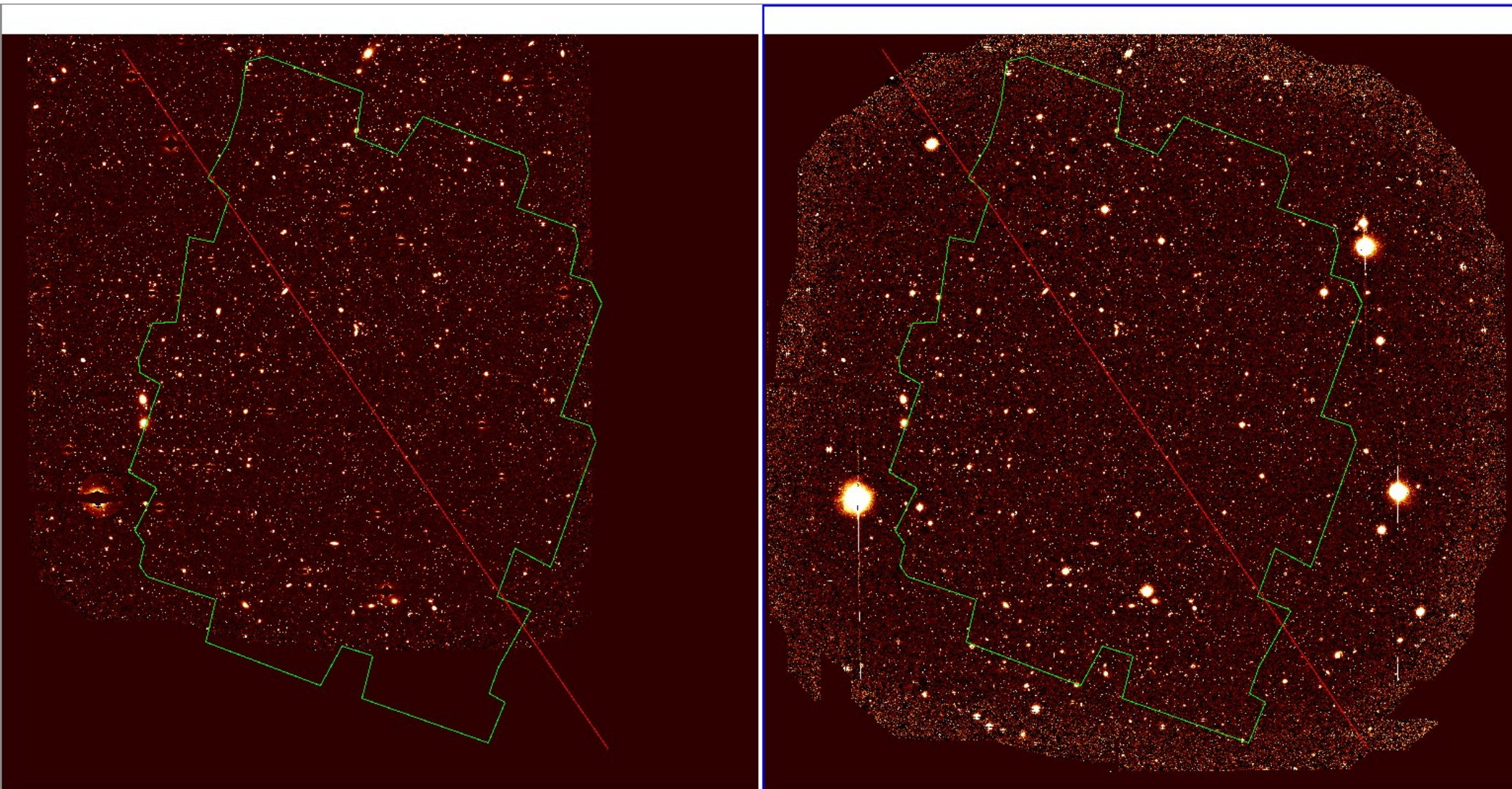
The "twin" blue:
VIMOS U (40hrs) & VIMOS B (28hrs)



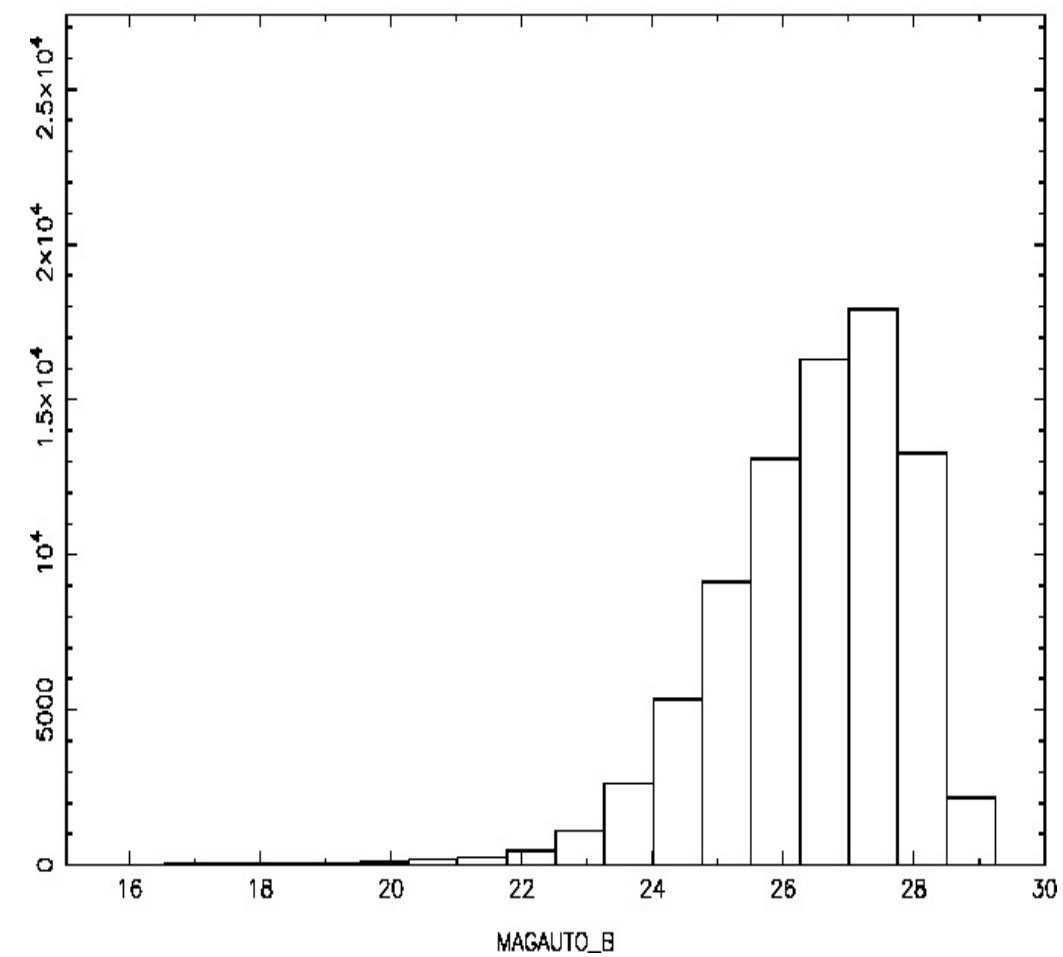
Suprime r' and z'

*r' almost as deep as VIMOS R but much more
uniform coverage & great PSF (0.55) sx*

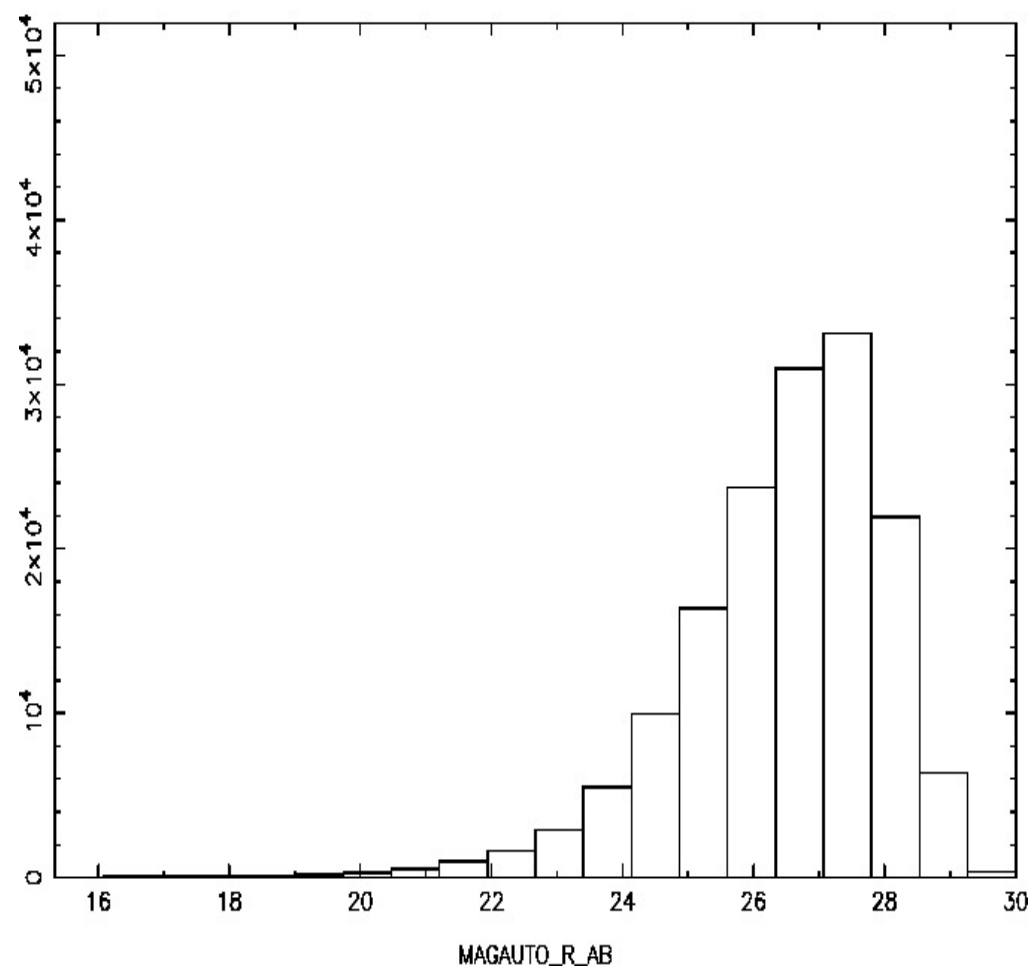
z' for z 4-5 objects (e.g. classical BRI) dx



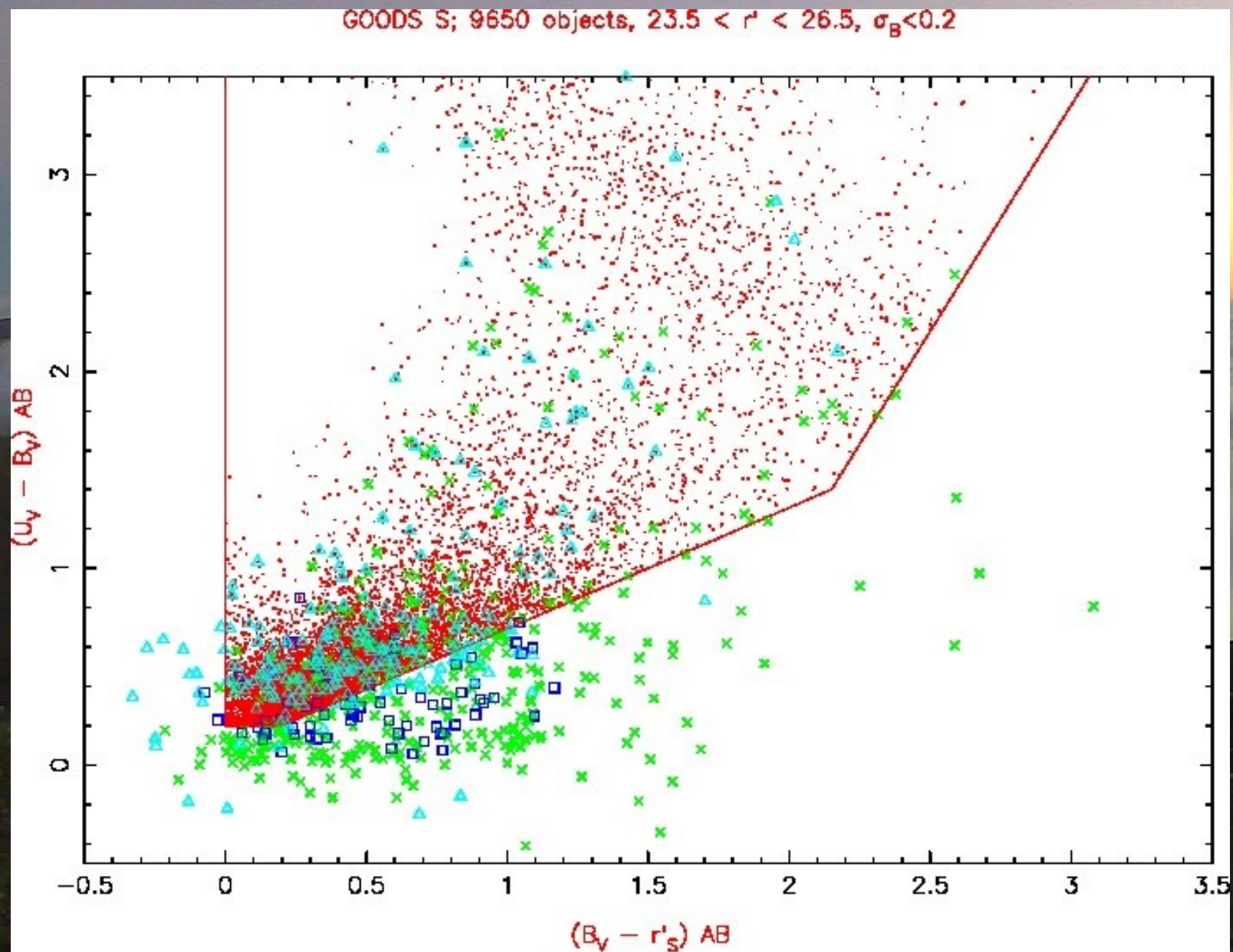
vimos_B_GOODS



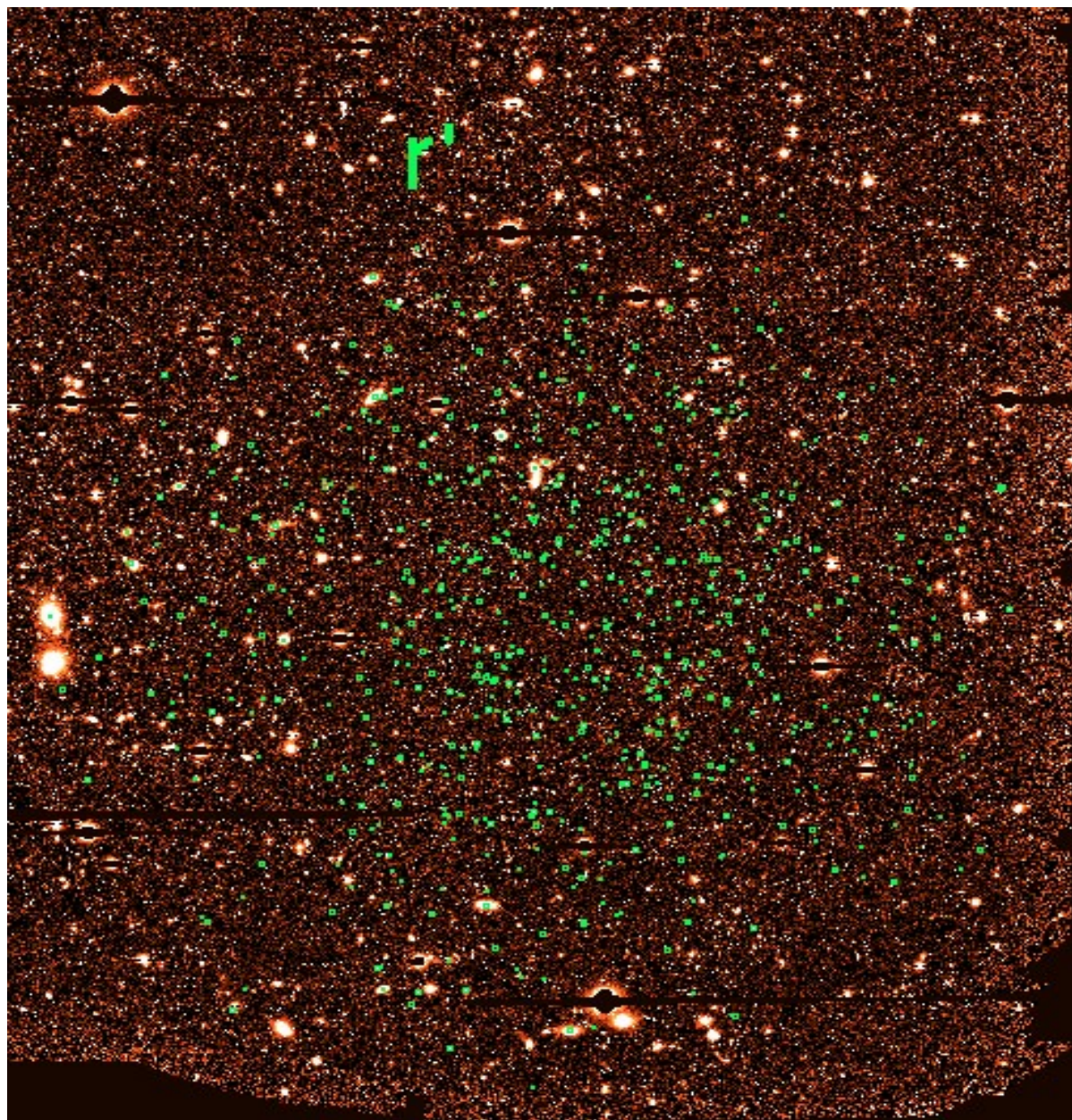
suprime_r_GOODS-S



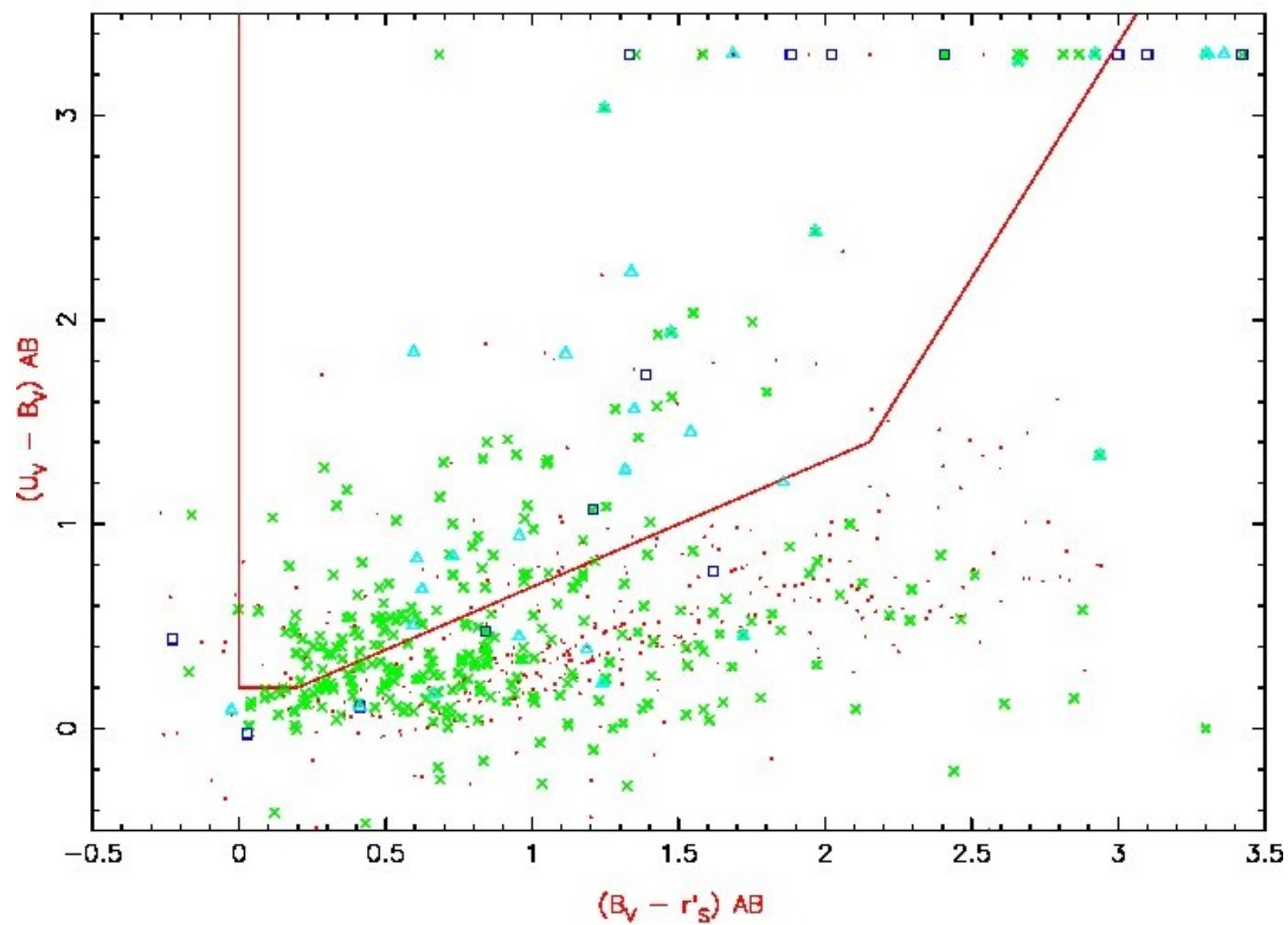
"Classical" LBGs ($z \sim 2-3$) selection



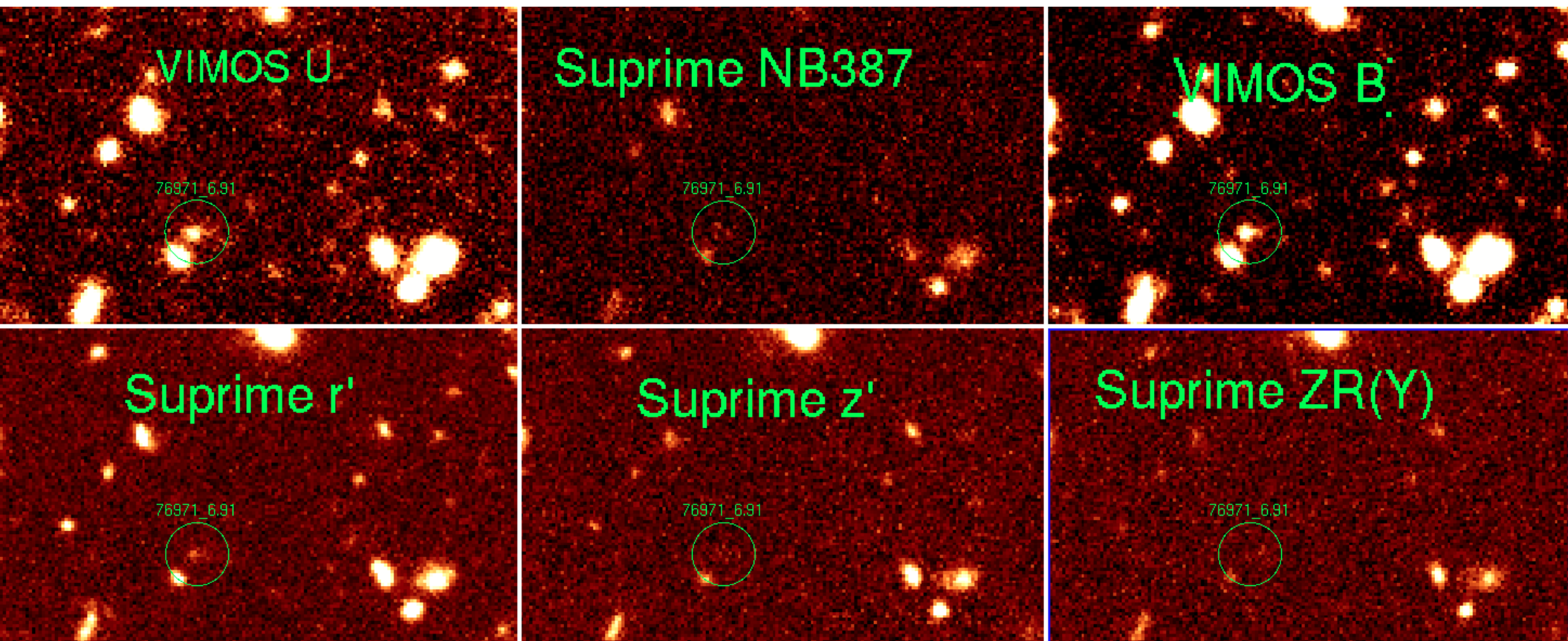
4Ms coverage (Xue et al catalogue)



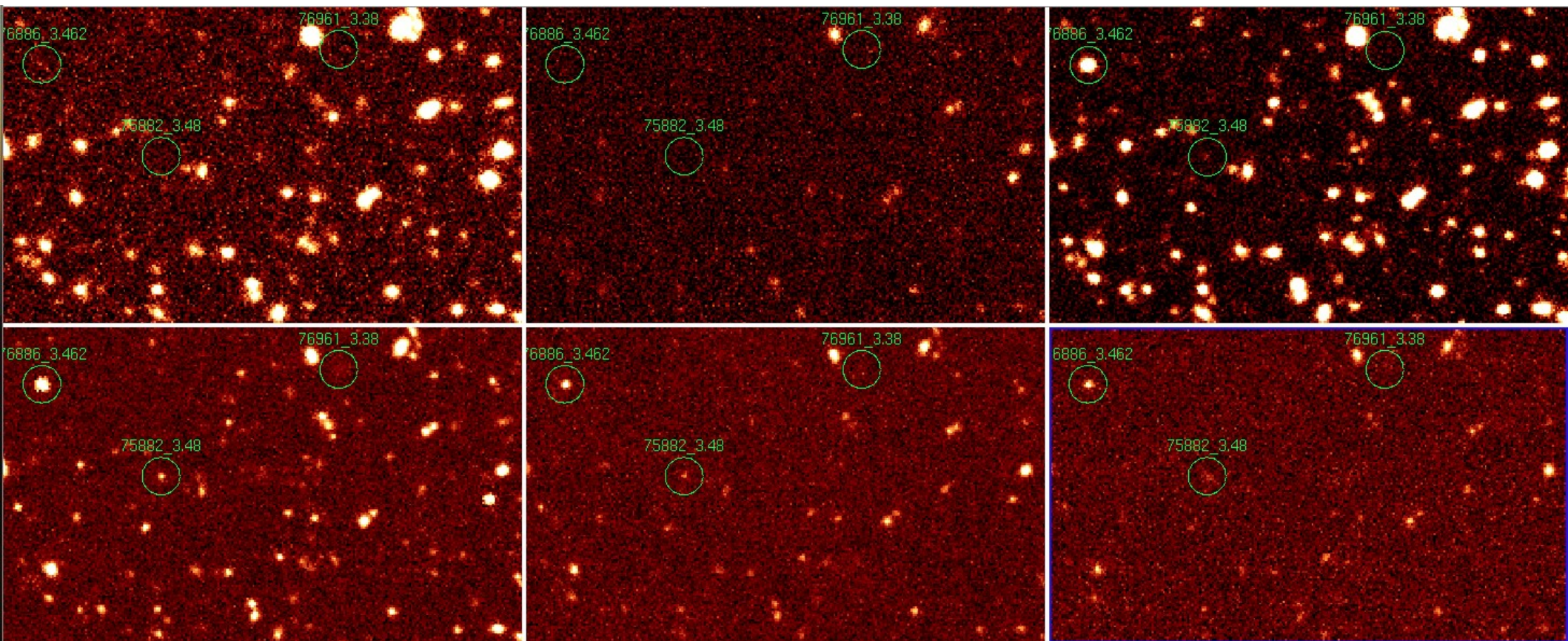
GOODS S; x_ray sources (plain matching)

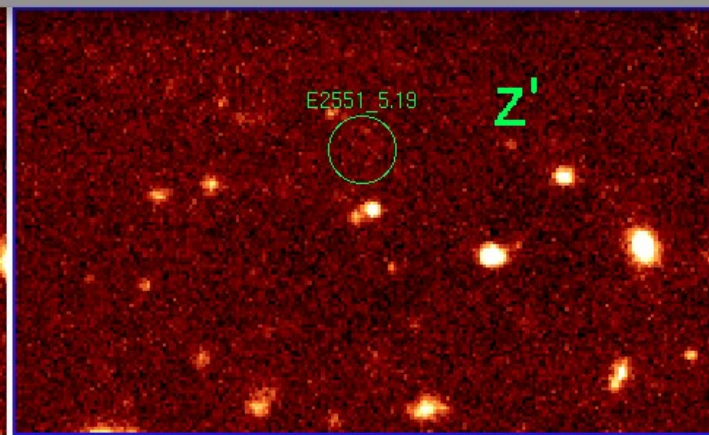
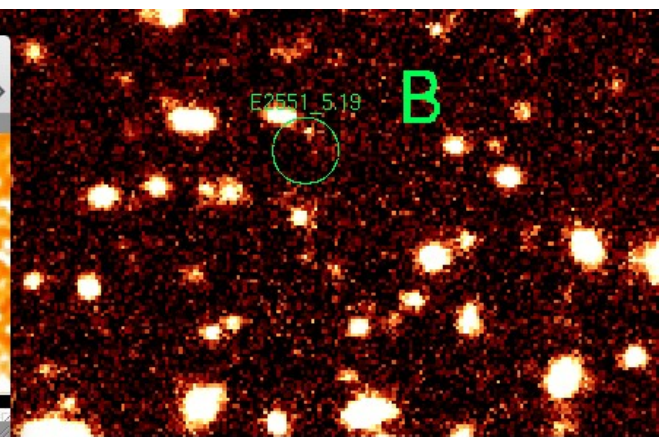
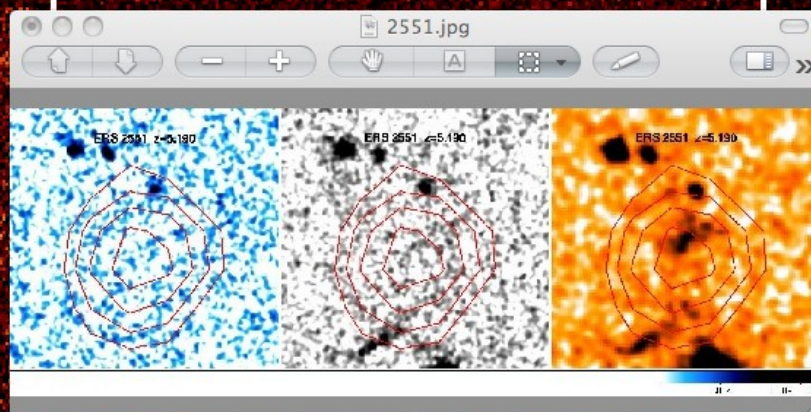
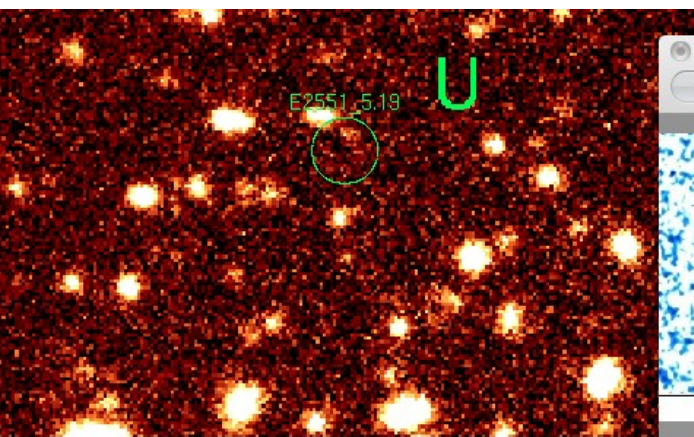


E1611 $z_{\text{phot}}=6.91$ (ERS) but $z_{\text{spec}}=3.356$



3 AGNs 3.38-3.48





Conclusions

- “Good” ground based images mandatory to complement limited HST spatial coverage (obvious! but ...)
- Deep VIMOS B is coming! (plus some “gifts”??)
- “Easy”: classical LBGs (not always many bands available for multiband based photo-z), BzKs (not mentioned!), “reverse drops”, i.e. blue objects..