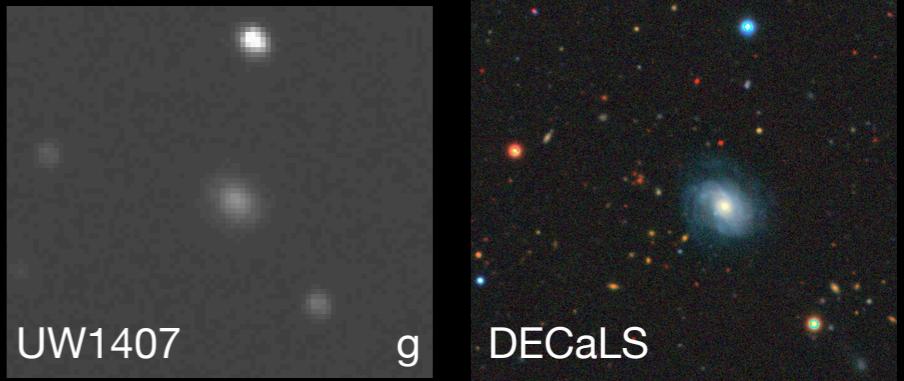


Dragonfly UWS

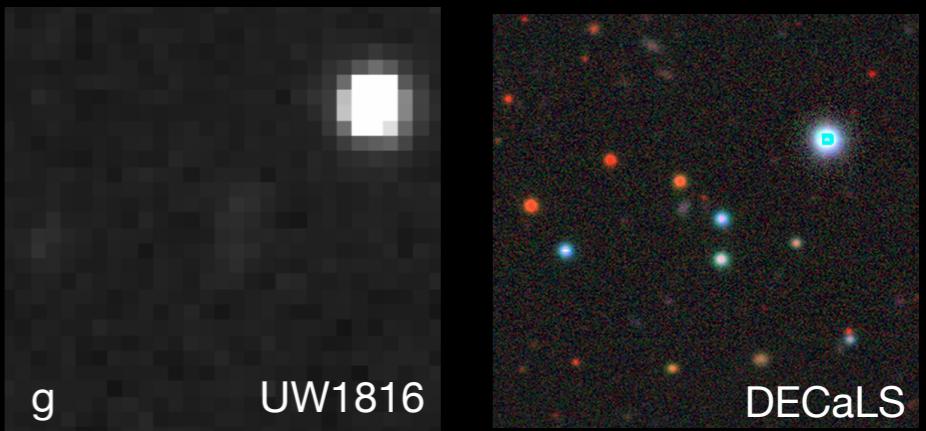
What exists in these data?

“Contaminating” sources

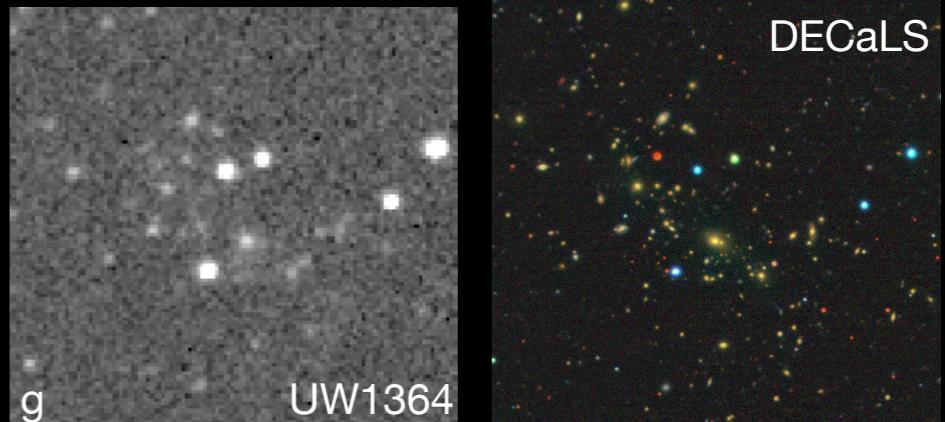
- Distant spiral galaxies



- Faint stars in our shallower data



- Clusters at $z \sim 0.3$

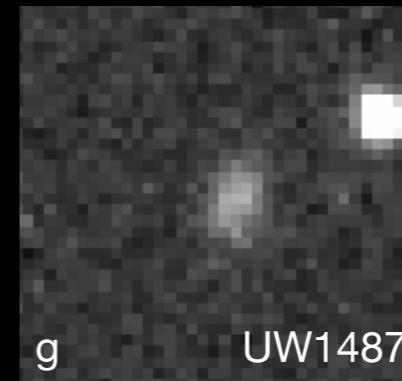


Fuzzy things - dwarf galaxy candidates

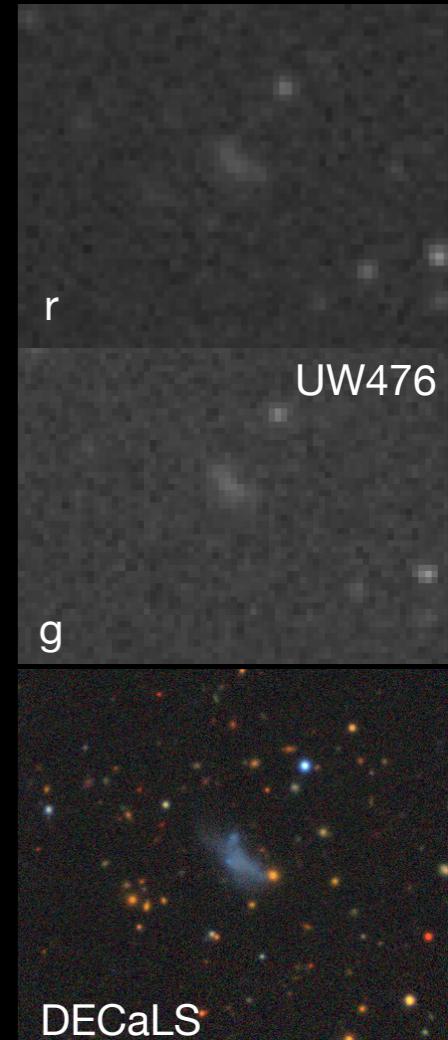
- Often difficult to distinguish from faint stars or spiral galaxies without high resolution data
- MRF really draws them out — still working on optimizing the parameter file for the depth of the UWS
- Spatial number density is consistent Danieli+ 2018; very likely that we're missing smaller/fainter dwarf candidates without effectively automating detection



16:32:36.6589 +51:09:01.425

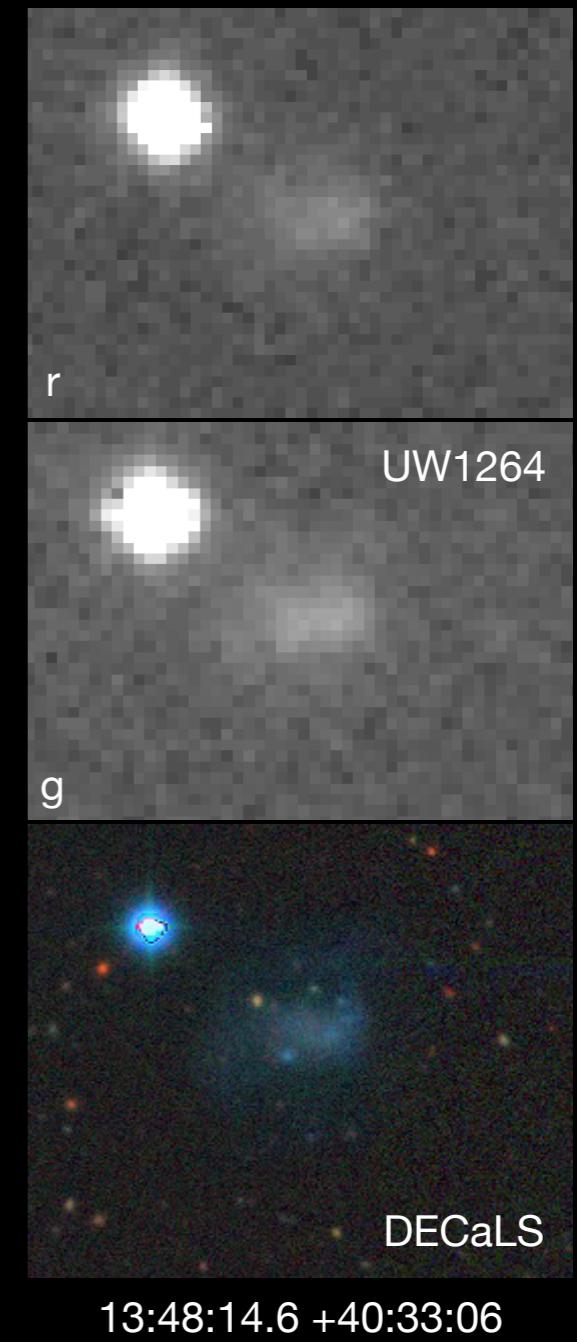
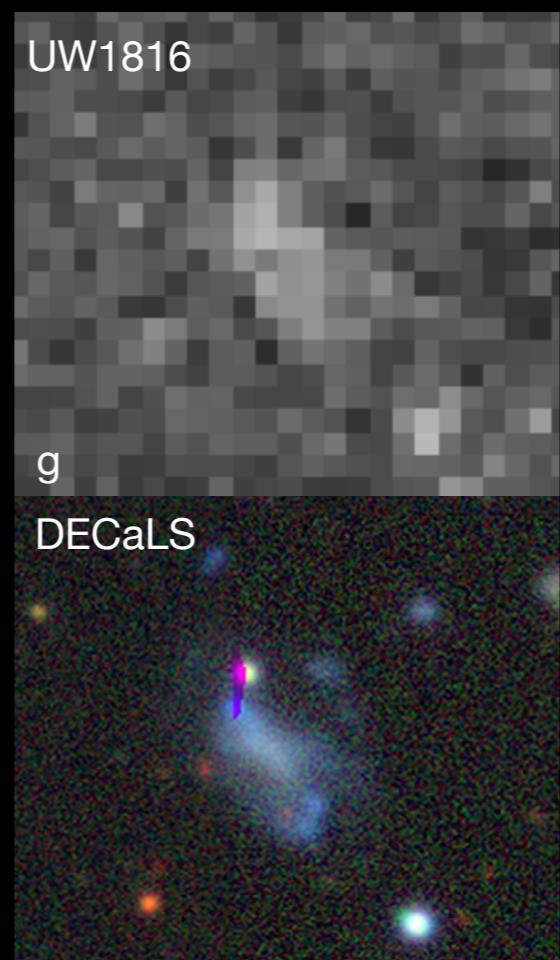
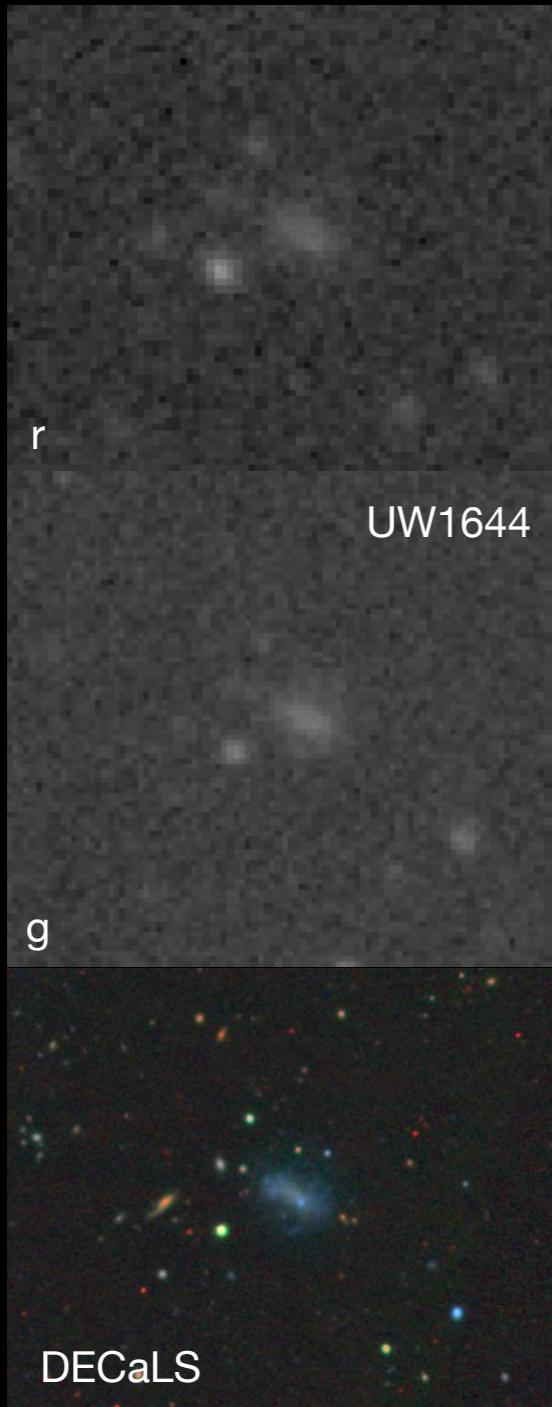


15:58:26.5119 +48:38:19.193



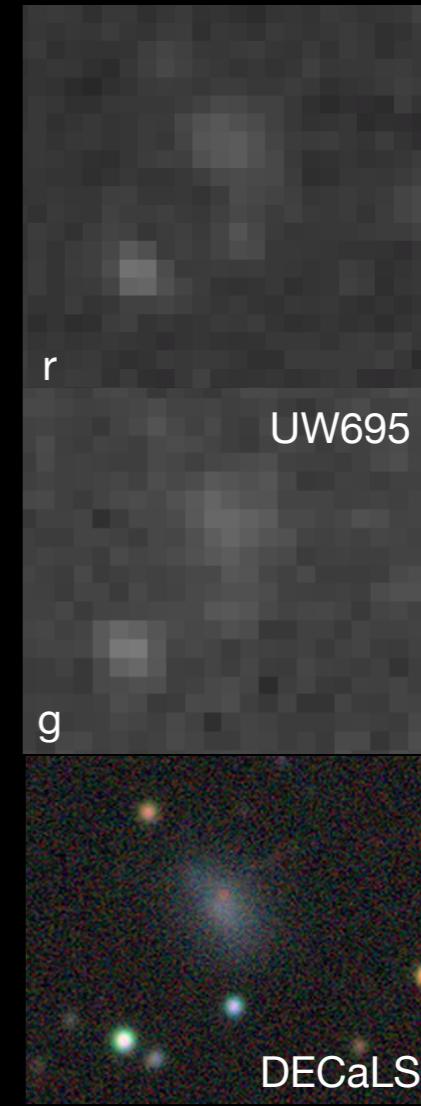
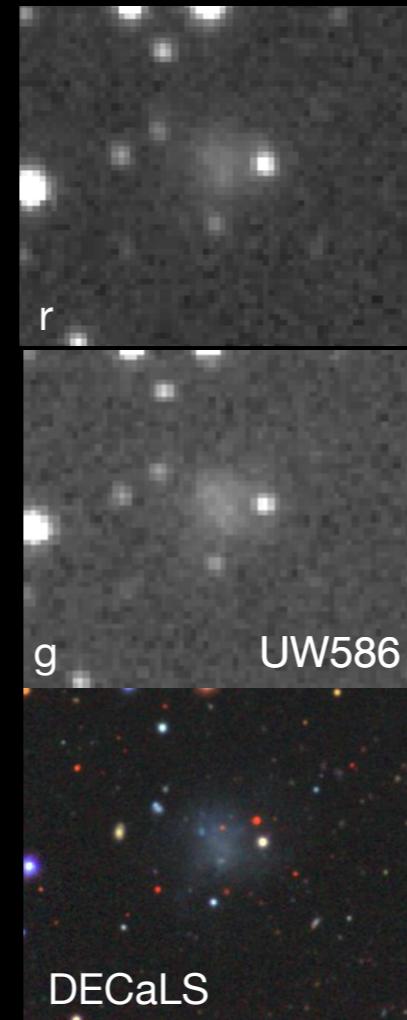
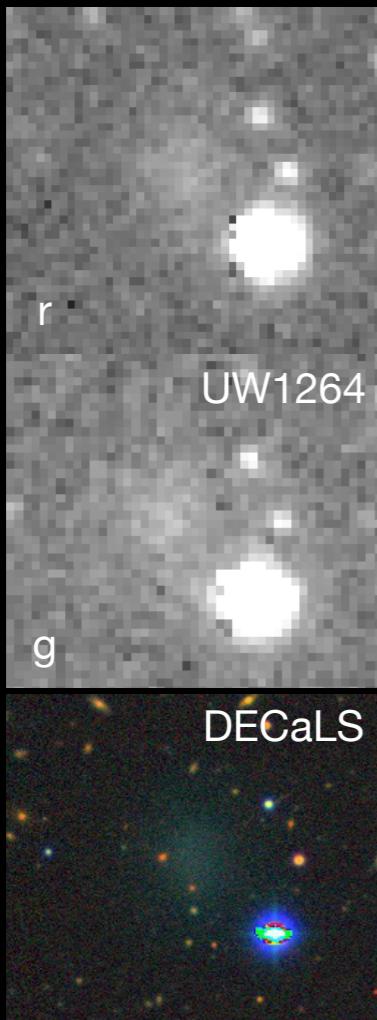
16:24:04.0 +12:41:18

dlrrs



Fuzzy things – UDG candidates

- Mostly in fields with larger host galaxies or clusters
 - Qualitatively consistent with van der Burg+ 2017 and Prole+ 2019
 - Bob has suggested that someone should look into a “possible excess of UDGs around compact groups”



Misc. interesting things

- Of course, in addition to potentially interesting dwarf galaxy candidates and UDGs, we regularly see intracluster light and tidal features
- Because this dataset covers so much of the sky and has great sensitivity to LSB objects, we can also see diffuse cirrus
- This also means that we're suited to detecting things like PNe (at right)

Planetary Nebula

