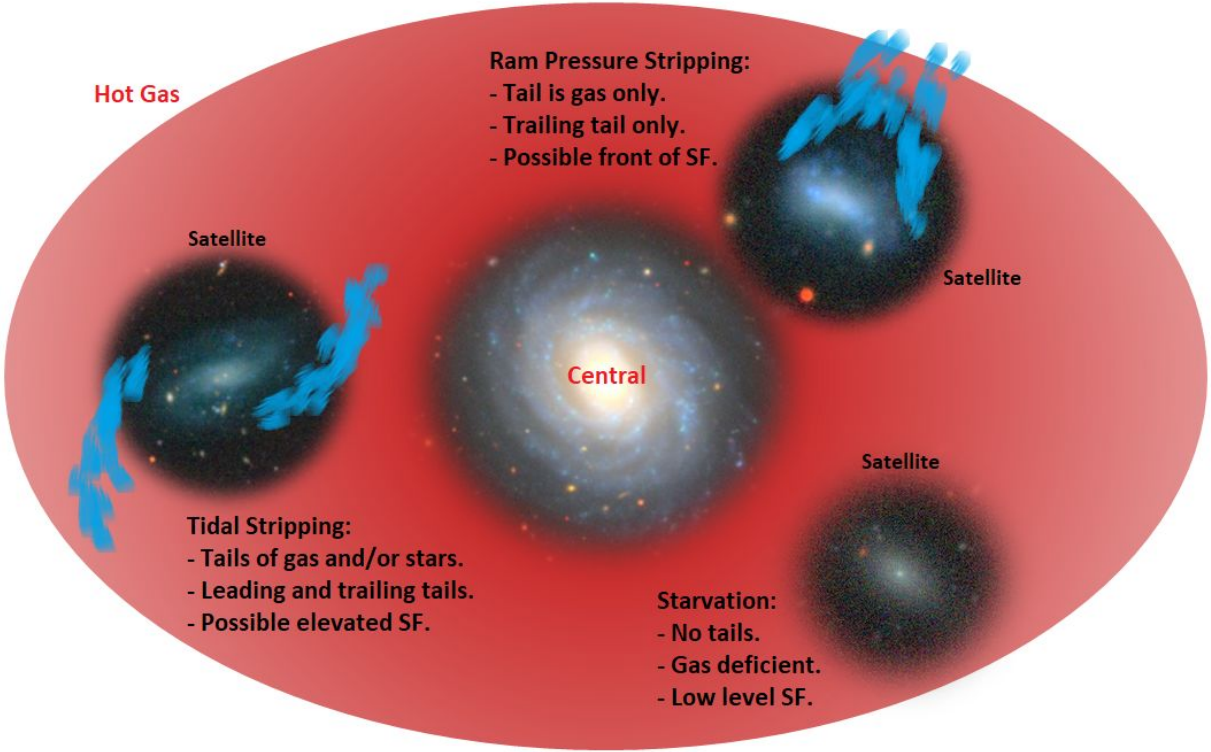
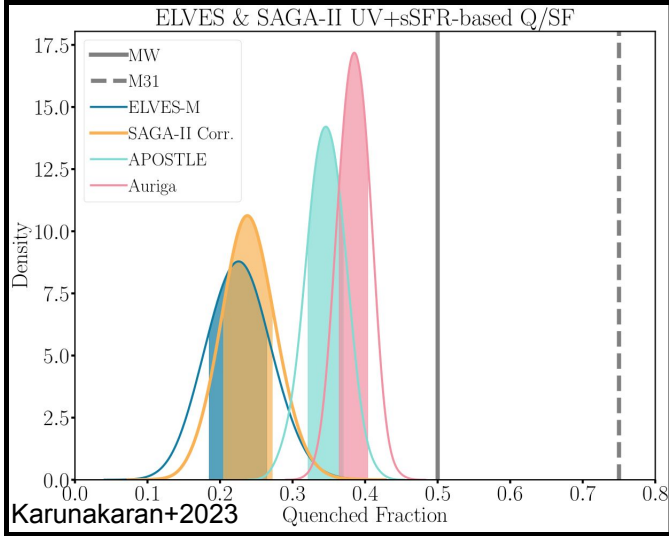
-0.001 < z < 0.01

Quenching of satellites in MW-like groups

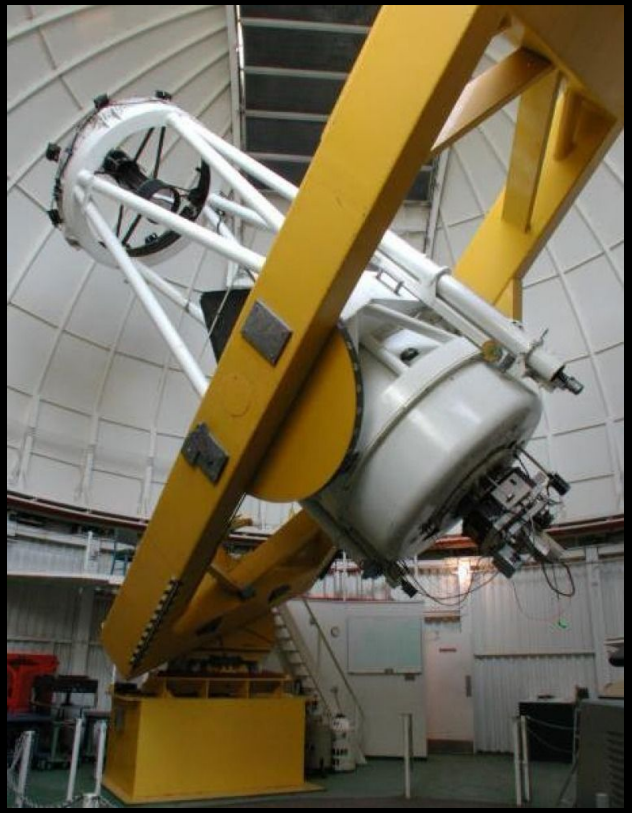


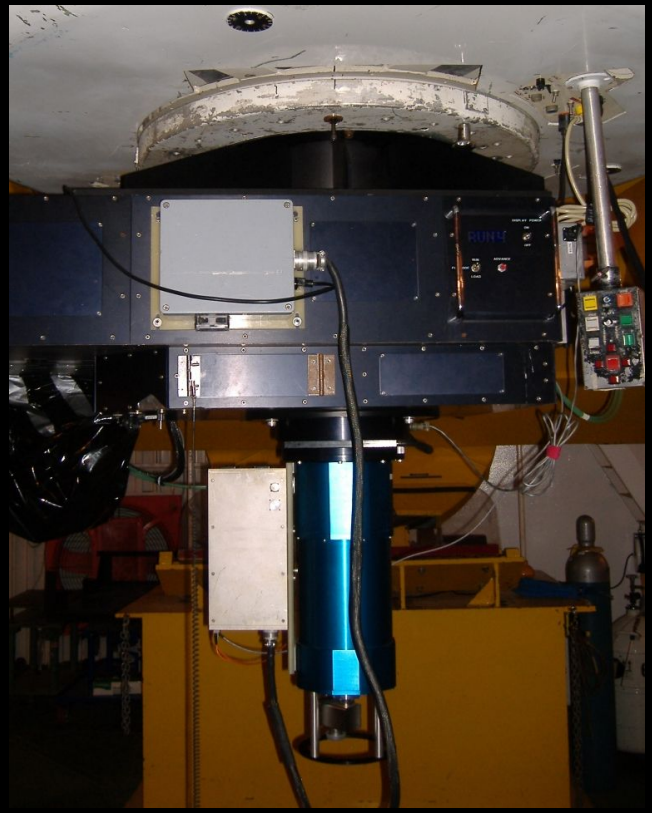
SAGA:
101 hosts
378 satellites
25 < D/Mpc < 40
Mao+2024

ELVES:
30 hosts
338 satellites
D < 12 Mpc
Carlsten+2022



Mont4K & Kuiper



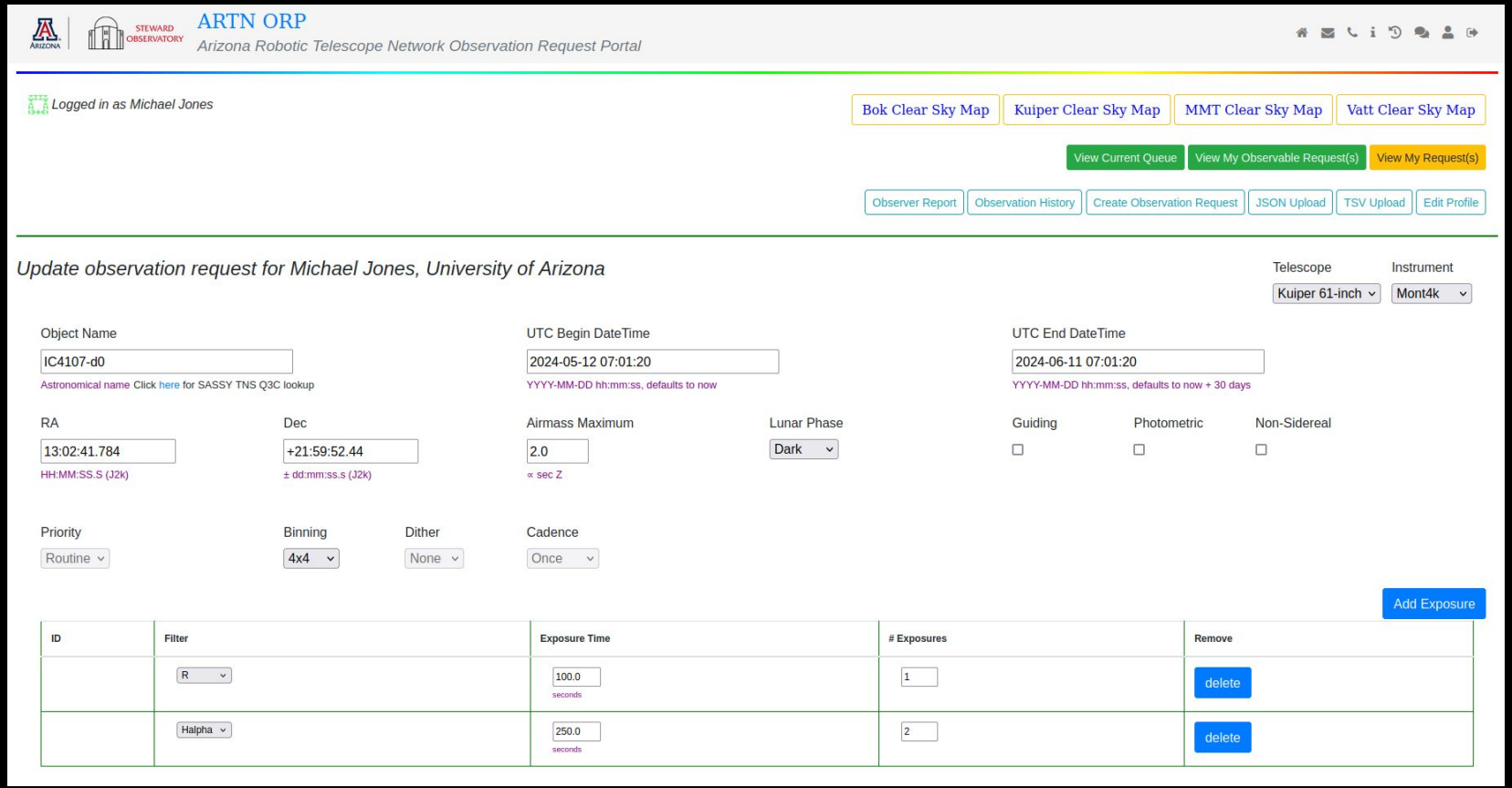


Site: Mt. Bigelow

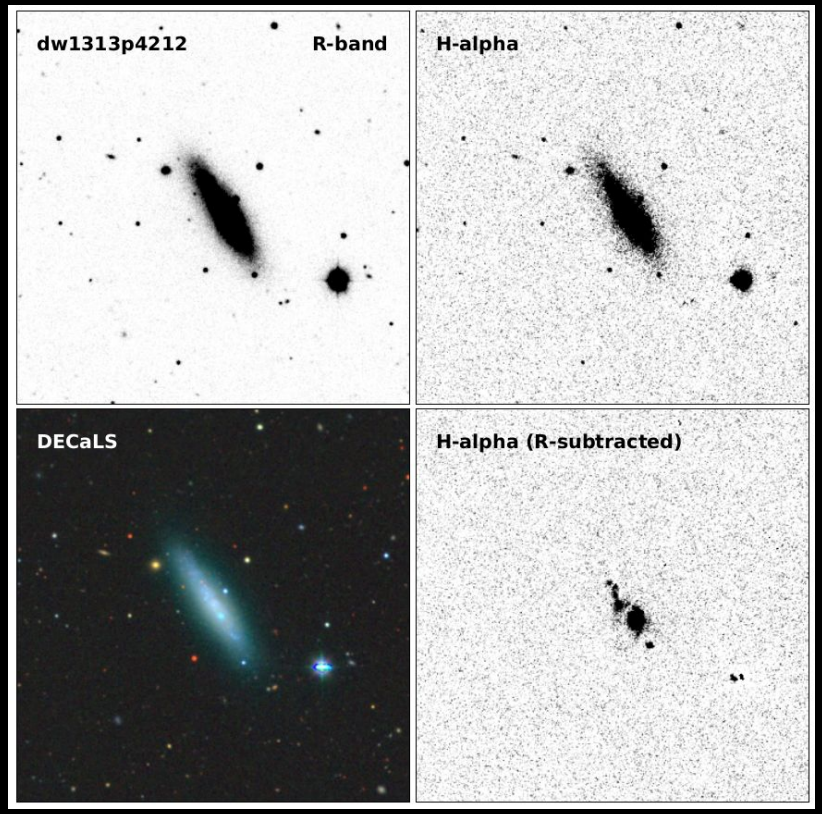
Aperture: 1.54 m
Max Dec: 65º N
Seeing: 1.5”-2.5”

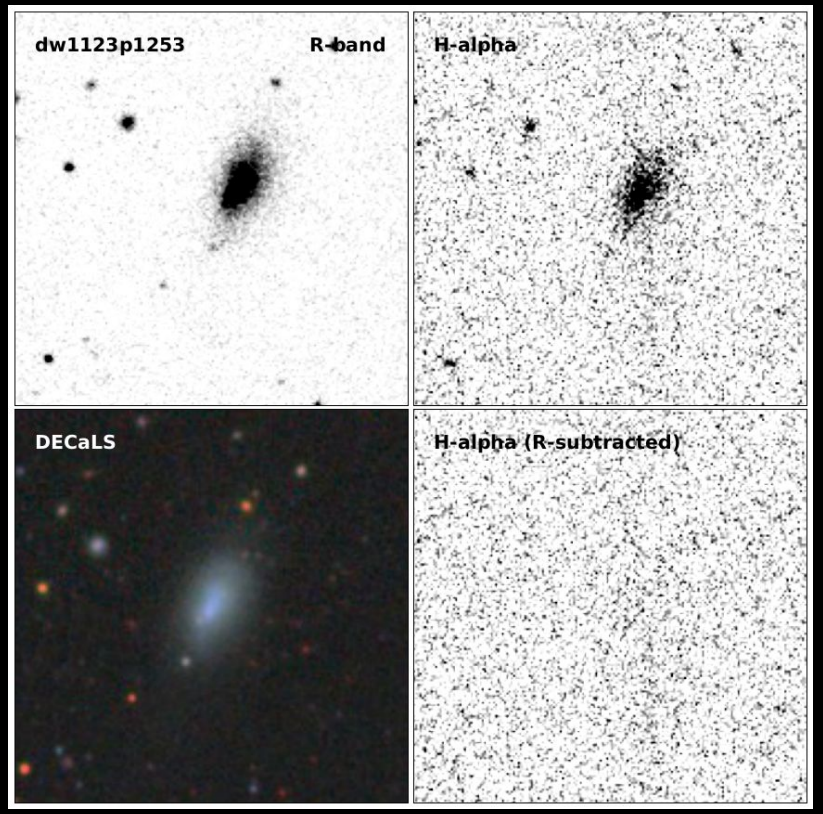
Camera: 4096 x 4097 pix
Scale: 0.14 arcsec/pix
FoV: 9.7 x 9.7 arcmin

Observing with ARTN system



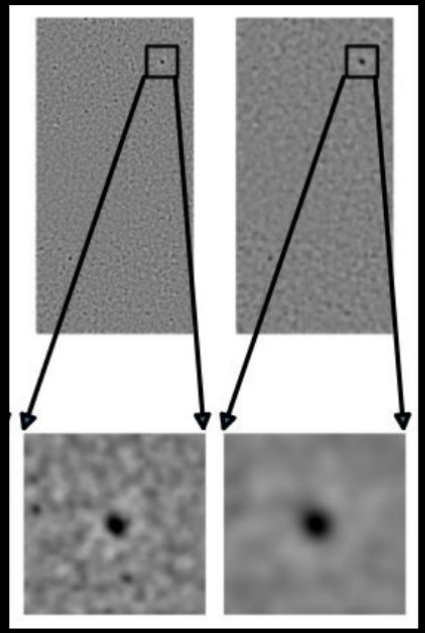
Data


dw1313p4212
R-band
H-alpha
DECaLS
H-alpha (R-subtracted)


dw1123p1253
R-band
H-alpha
DECaLS
H-alpha (R-subtracted)

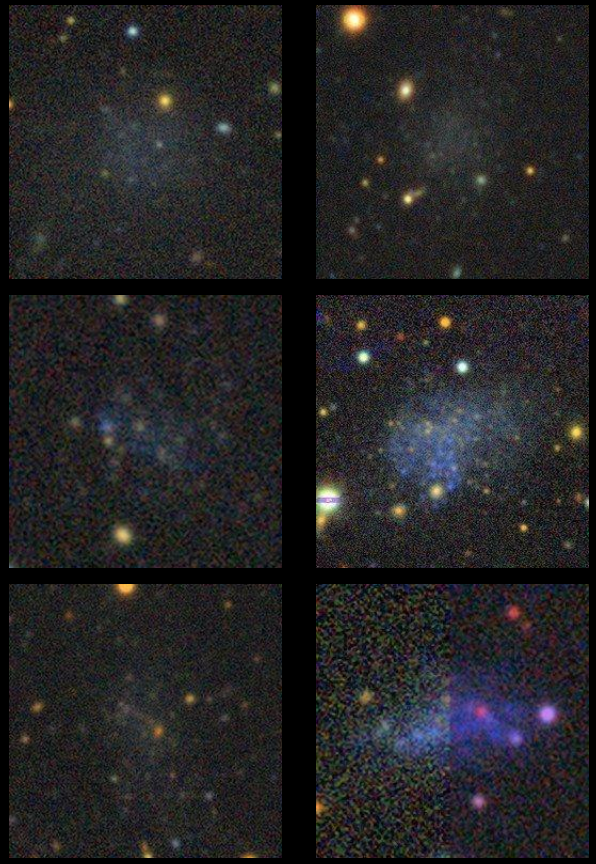
-0.001 < z < 0.002

Finding extremely low-mass galaxies in isolation

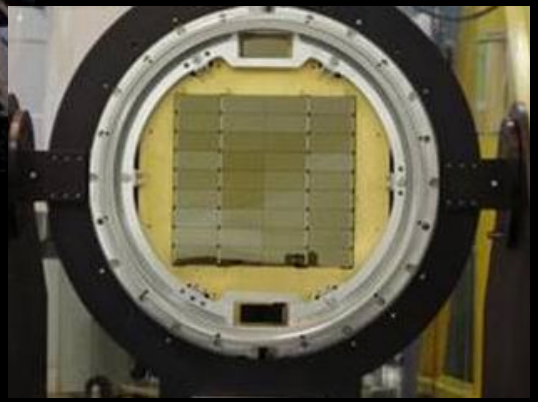


A few million candidates

A few thousand candidates



Magellan IMACS and Megacam



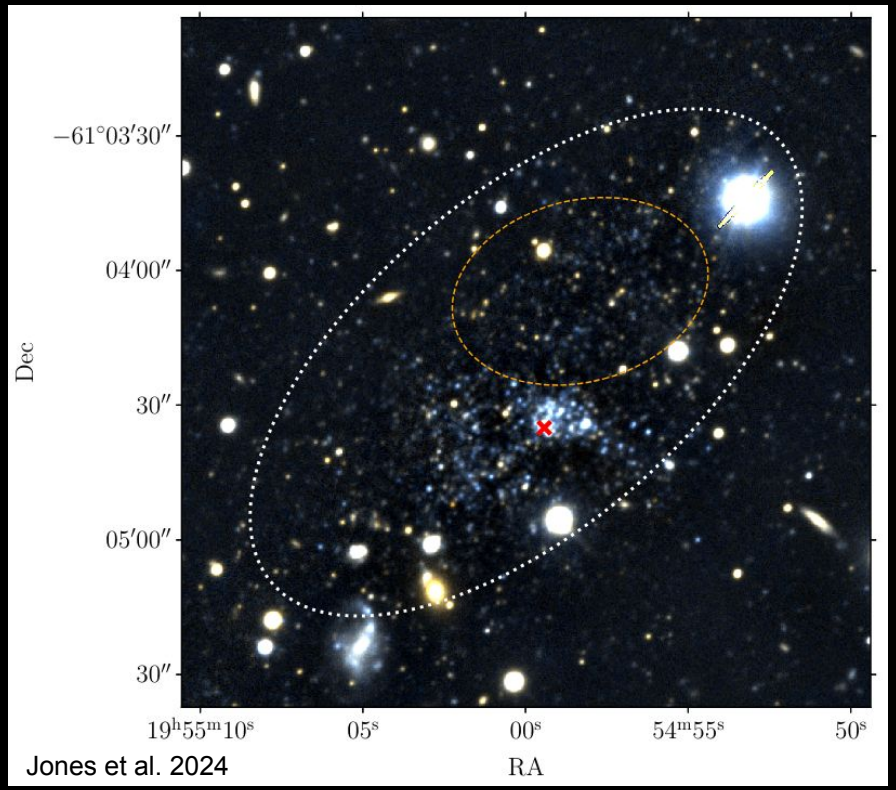
Site: Las Campanas

Aperture: 6.5 m

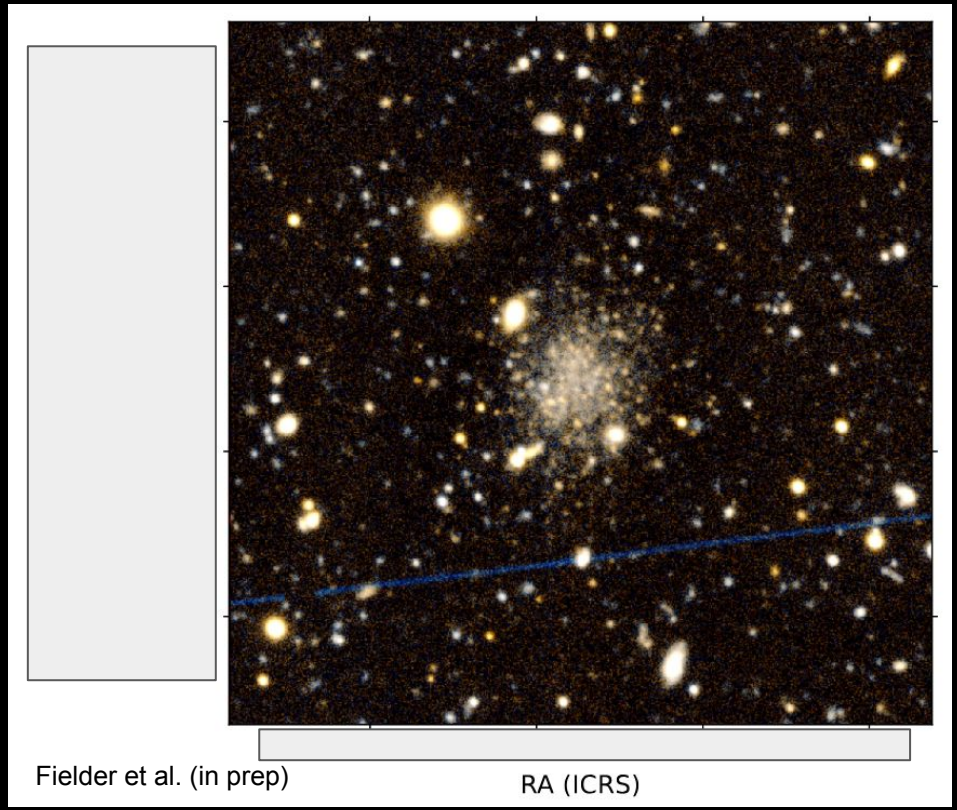
IMACS:
Camera: 8k x 8k pix
FoV: 4 x 4 arcmin

MEGACAM:
Camera: 52k x 52k pix
FoV: 24 x 24 arcmin
Scale: 0.08 arcsec/pix

Magellan IMACS and Megacam



Jones et al. 2024



Fielder et al. (in prep)