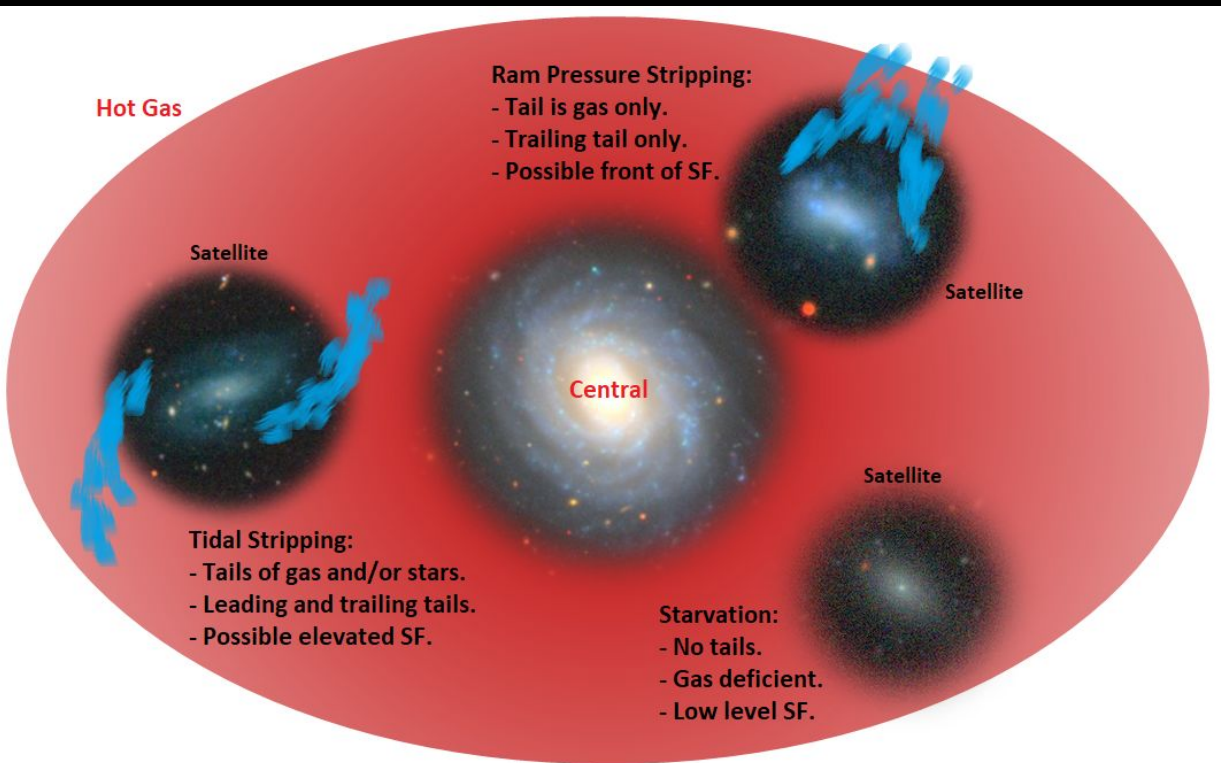


Quenching of satellites in MW-like groups



SAGA:

101 hosts

378 satellites

$25 < D/\text{Mpc} < 40$

Mao+2024

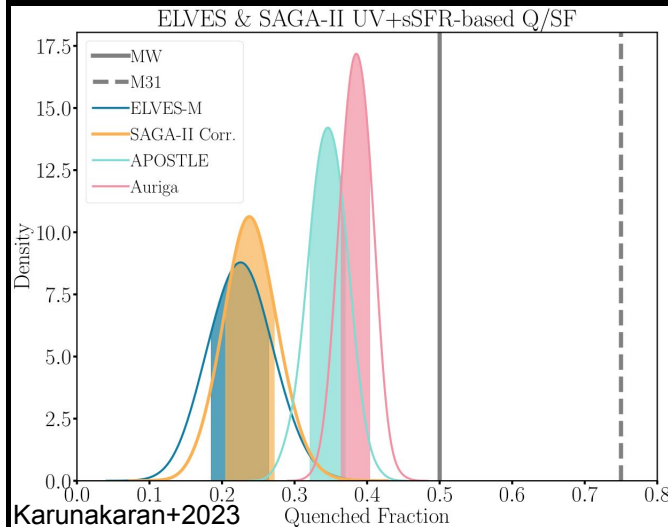
ELVES:

30 hosts

338 satellites

$D < 12 \text{ Mpc}$

Carlsten+2022



Mont4K & Kuiper



Site: Mt. Bigelow

Aperture: 1.54 m

Max Dec: 65° 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



ARTN ORP
Arizona Robotic Telescope Network Observation Request Portal

Logged in as Michael Jones

[Bok Clear Sky Map](#) [Kuiper Clear Sky Map](#) [MMT Clear Sky Map](#) [Vatt Clear Sky Map](#)

[View Current Queue](#) [View My Observable Request\(s\)](#) [View My Request\(s\)](#)

[Observer Report](#) [Observation History](#) [Create Observation Request](#) [JSON Upload](#) [TSV Upload](#) [Edit Profile](#)

Update observation request for Michael Jones, University of Arizona

Telescope: Instrument:

Object Name:
Astronomical name Click [here](#) for SASSY TNS Q3C lookup

UTC Begin DateTime:
YYYY-MM-DD hh:mm:ss, defaults to now

UTC End DateTime:
YYYY-MM-DD hh:mm:ss, defaults to now + 30 days

RA:
HH:MM:SS.S (J2k)

Dec:
± dd:mm:ss.s (J2k)

Airmass Maximum:
× sec Z

Lunar Phase:

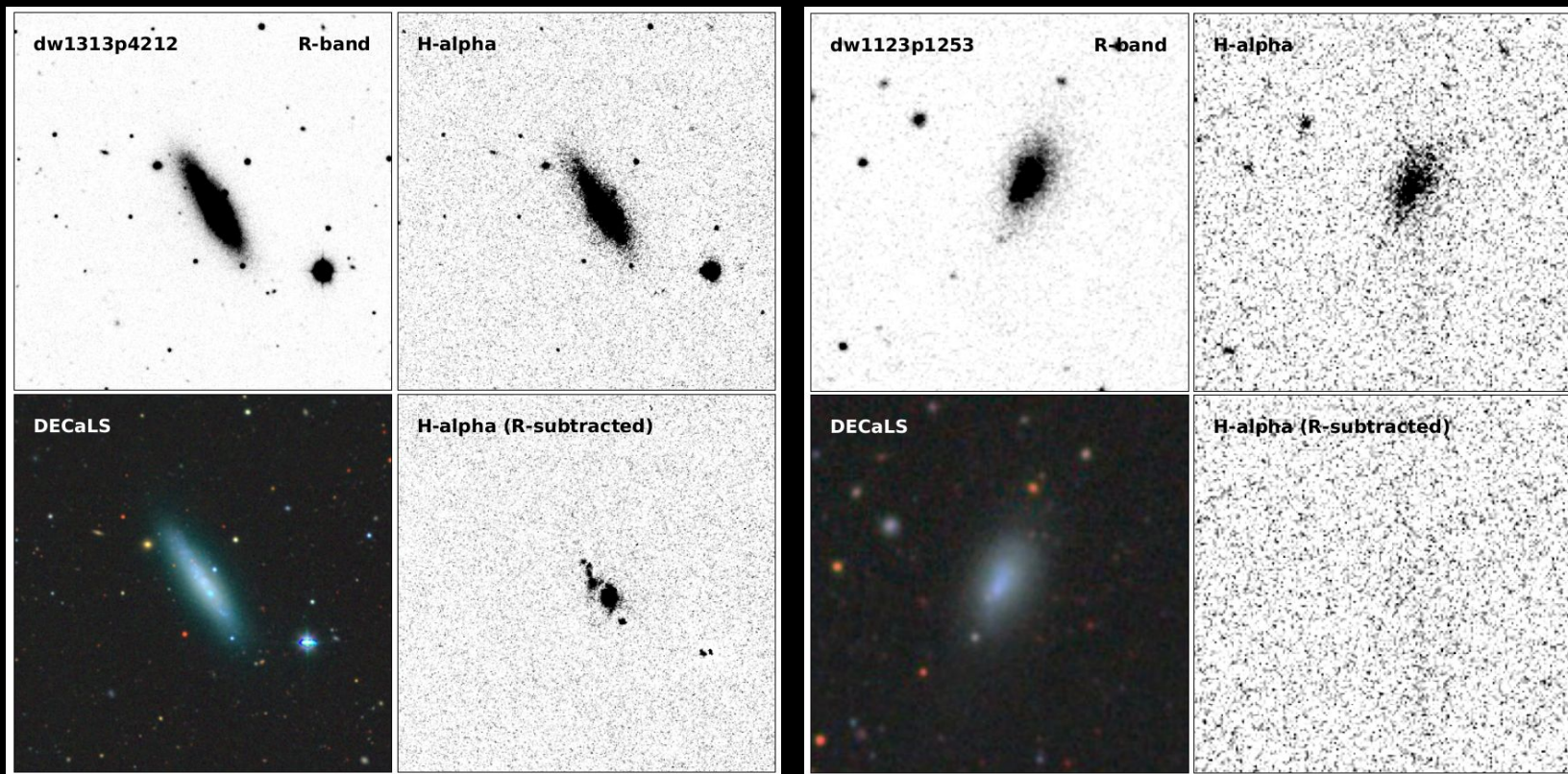
Guiding: Photometric: Non-Sidereal:

Priority: Binning: Dither: Cadence:

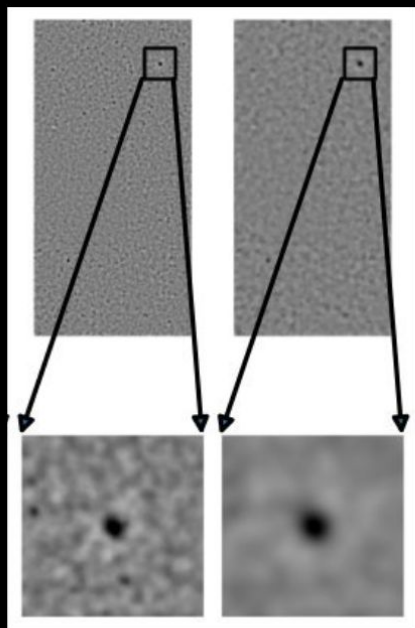
[Add Exposure](#)

ID	Filter	Exposure Time	# Exposures	Remove
	<input type="text" value="R"/>	<input type="text" value="100.0"/> <small>seconds</small>	<input type="text" value="1"/>	delete
	<input type="text" value="Halpha"/>	<input type="text" value="250.0"/> <small>seconds</small>	<input type="text" value="2"/>	delete

Data



Finding extremely low-mass galaxies in isolation



A few million candidates



A few thousand candidates



Magellan IMACS and Megacam



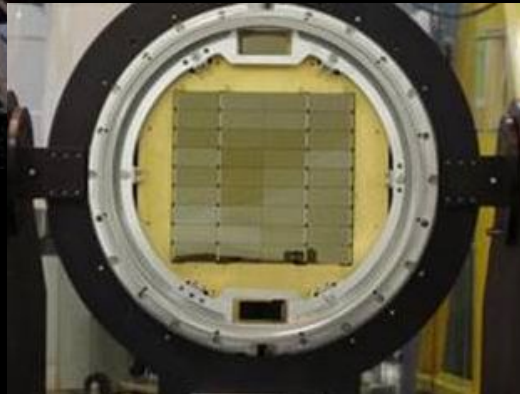
Site: Las Campanas

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

