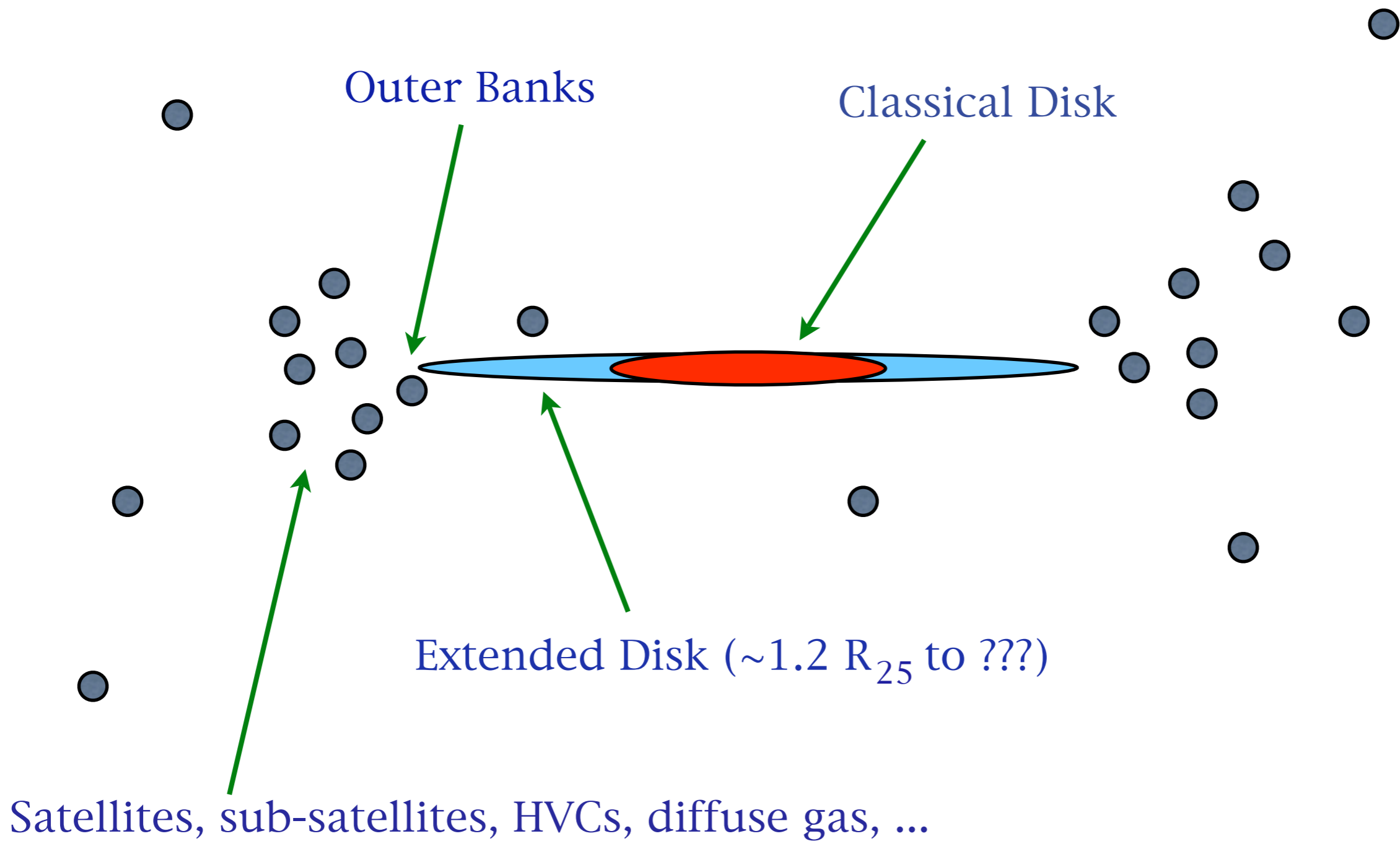


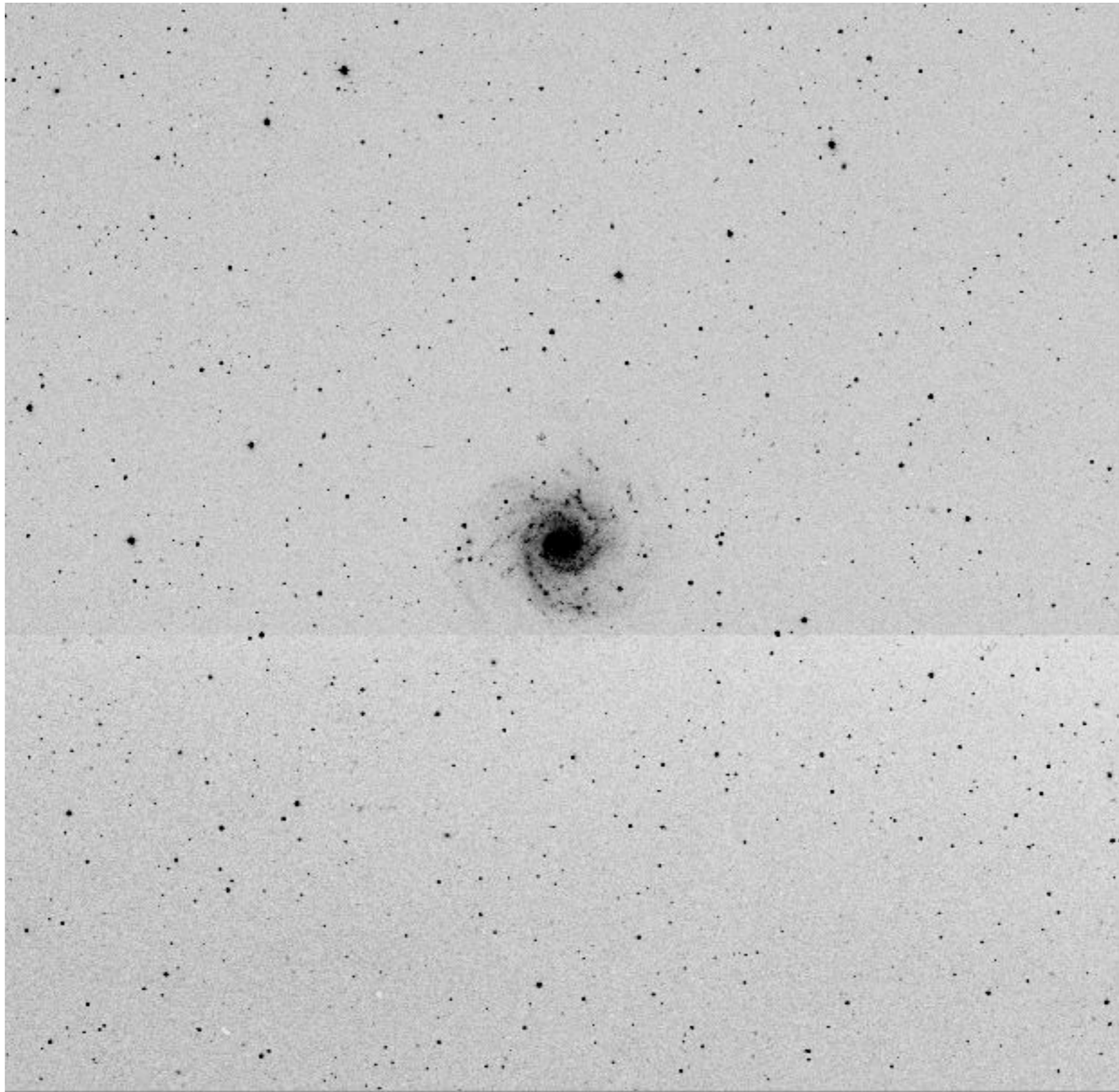
The Outer Banks of Disk Galaxies

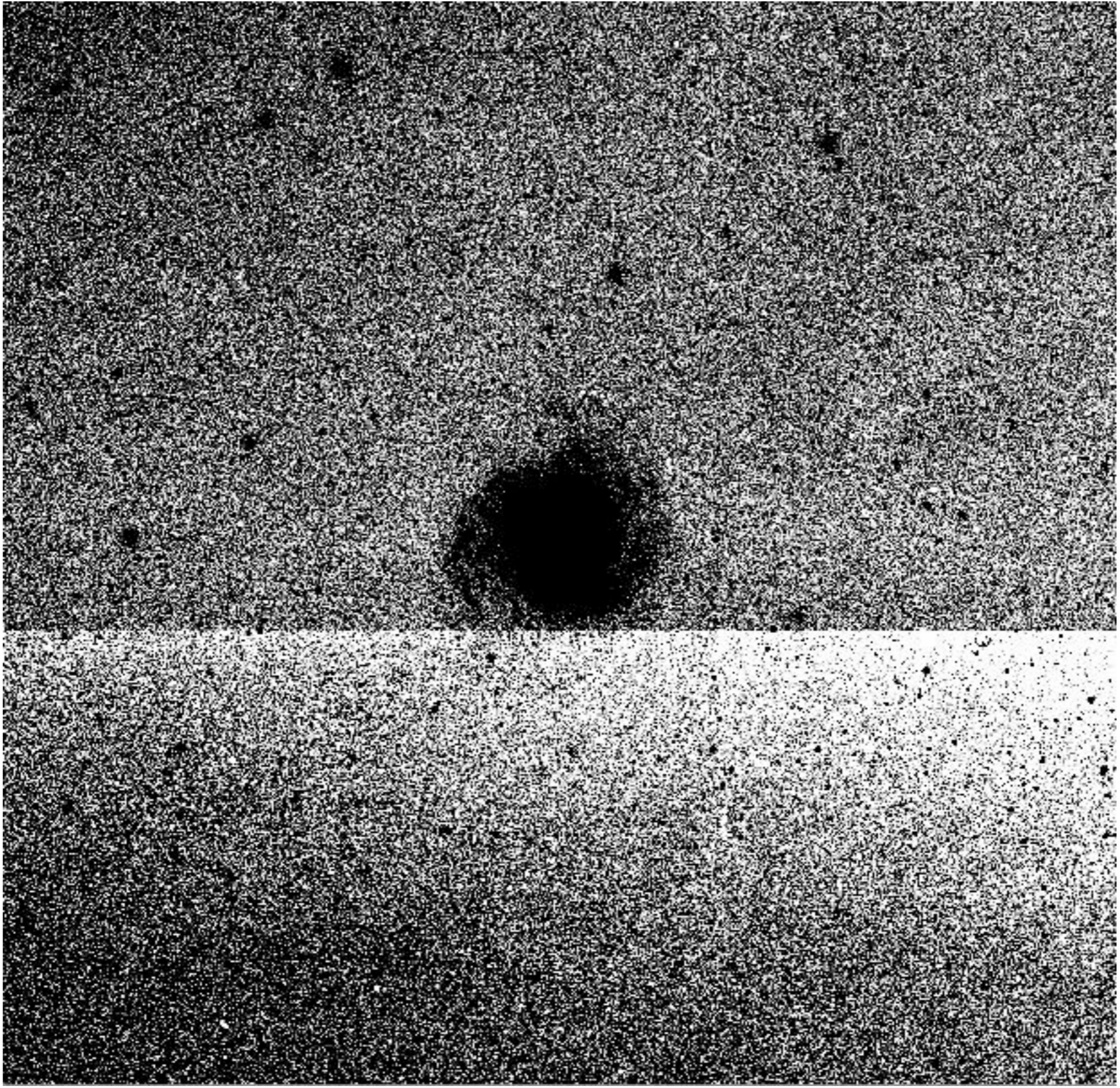
Dennis Zaritsky & Daniel Christlein

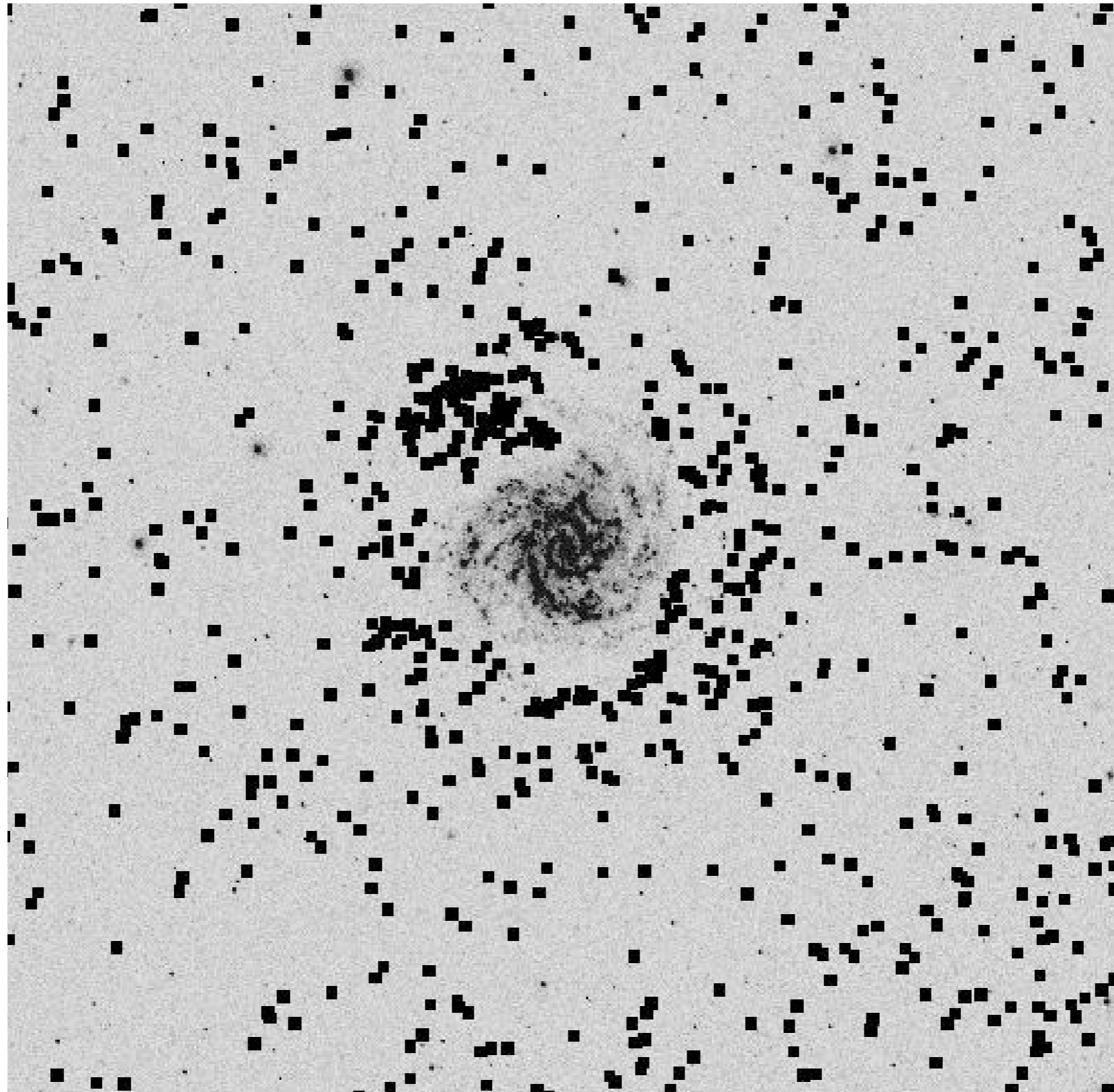
(U. Arizona)

(Andes Fellow, Yale/U. Chile)

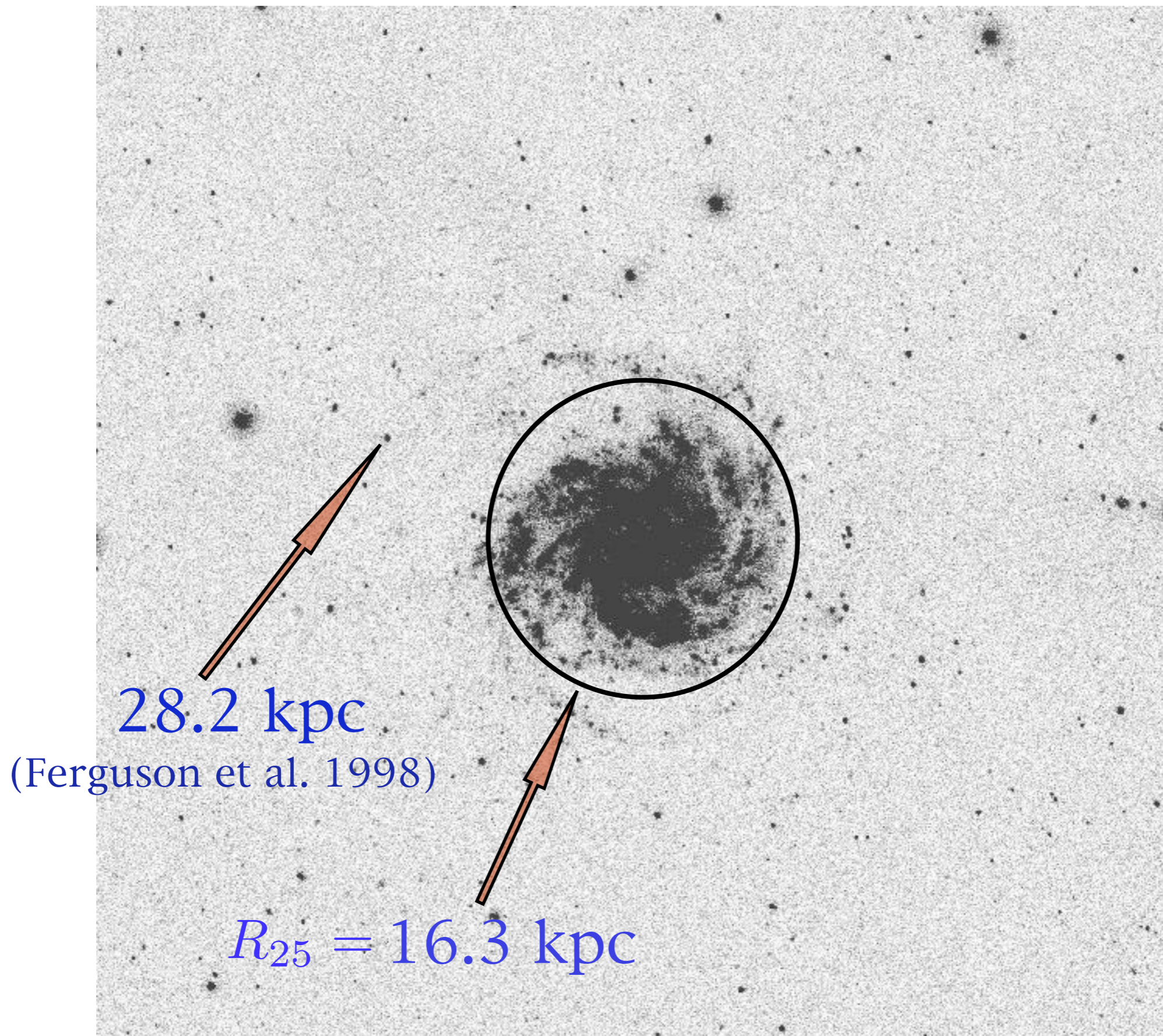




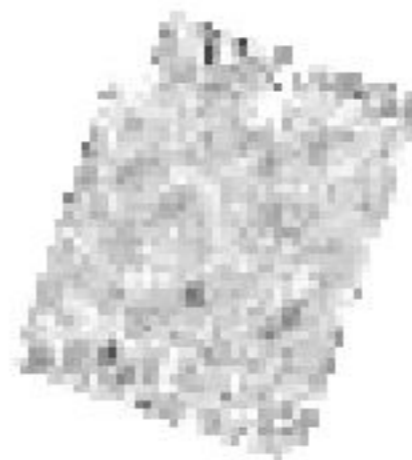
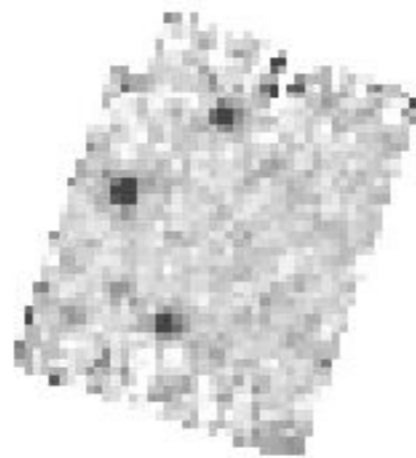




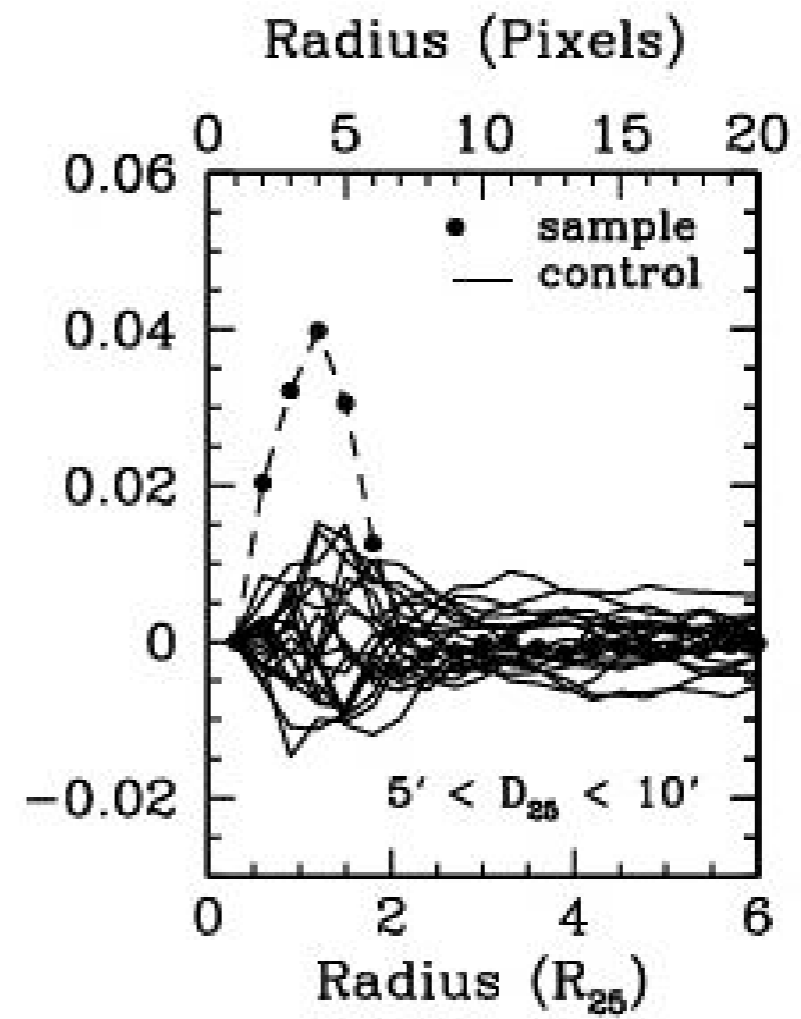
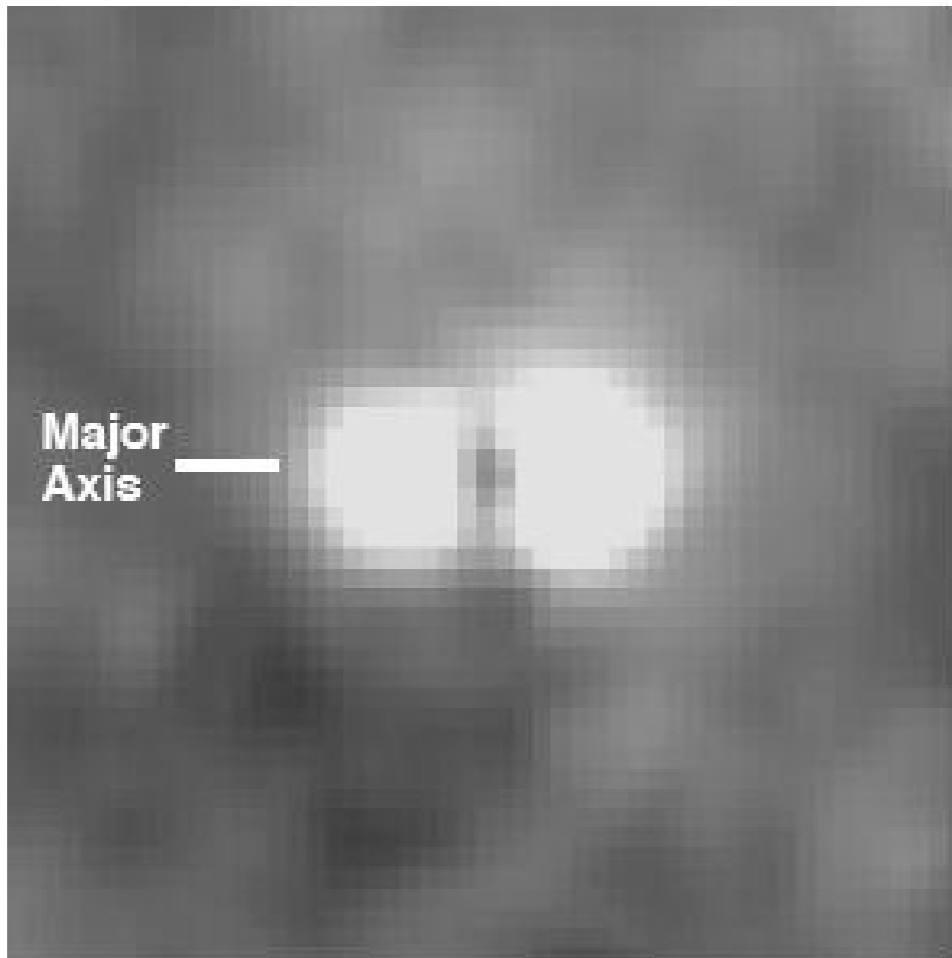
HI to similar radius: Briggs 1982; Kamphuis & Briggs 1992



Ferguson et al. 1998; Lelievre & Roy 2000

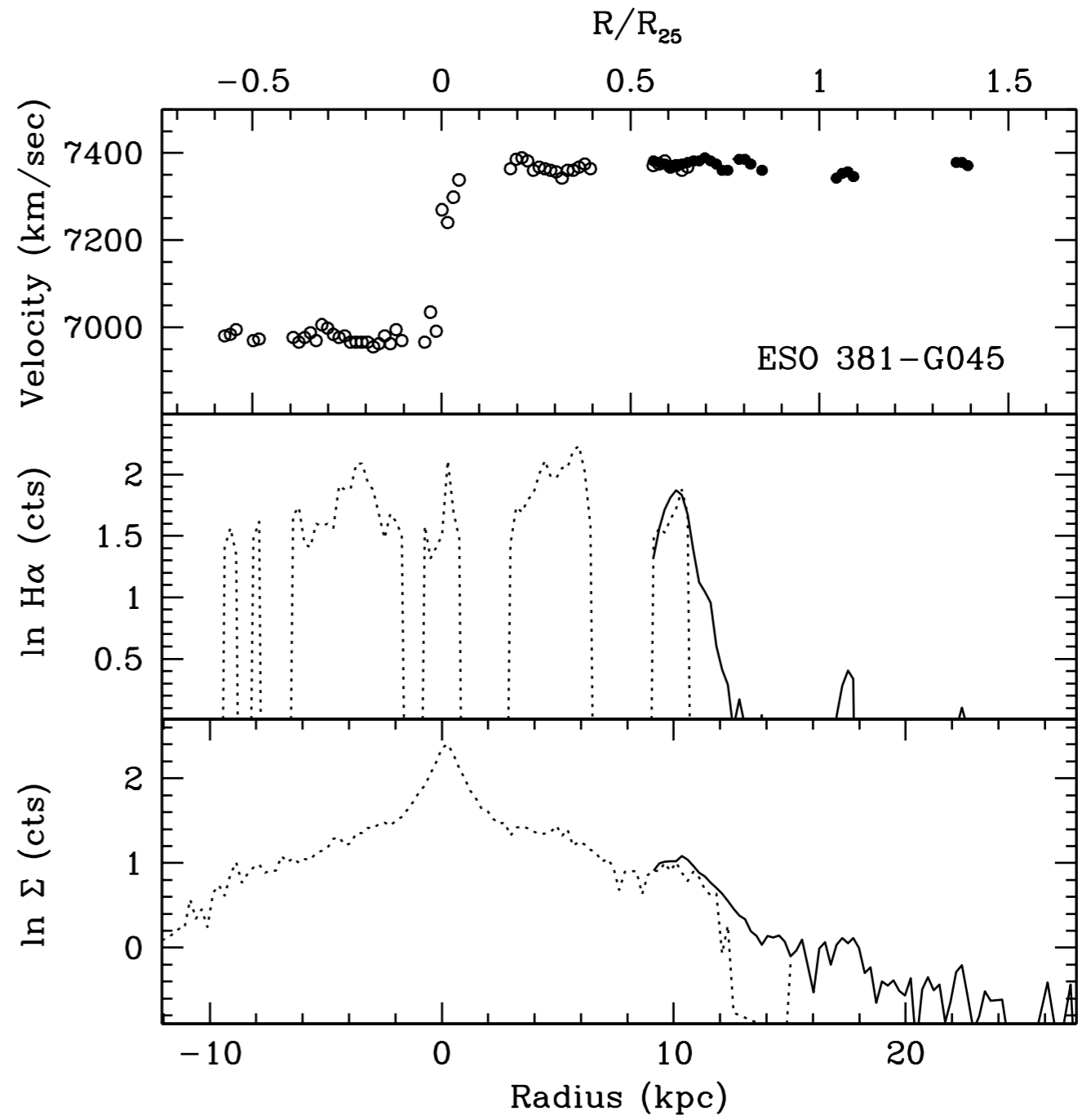
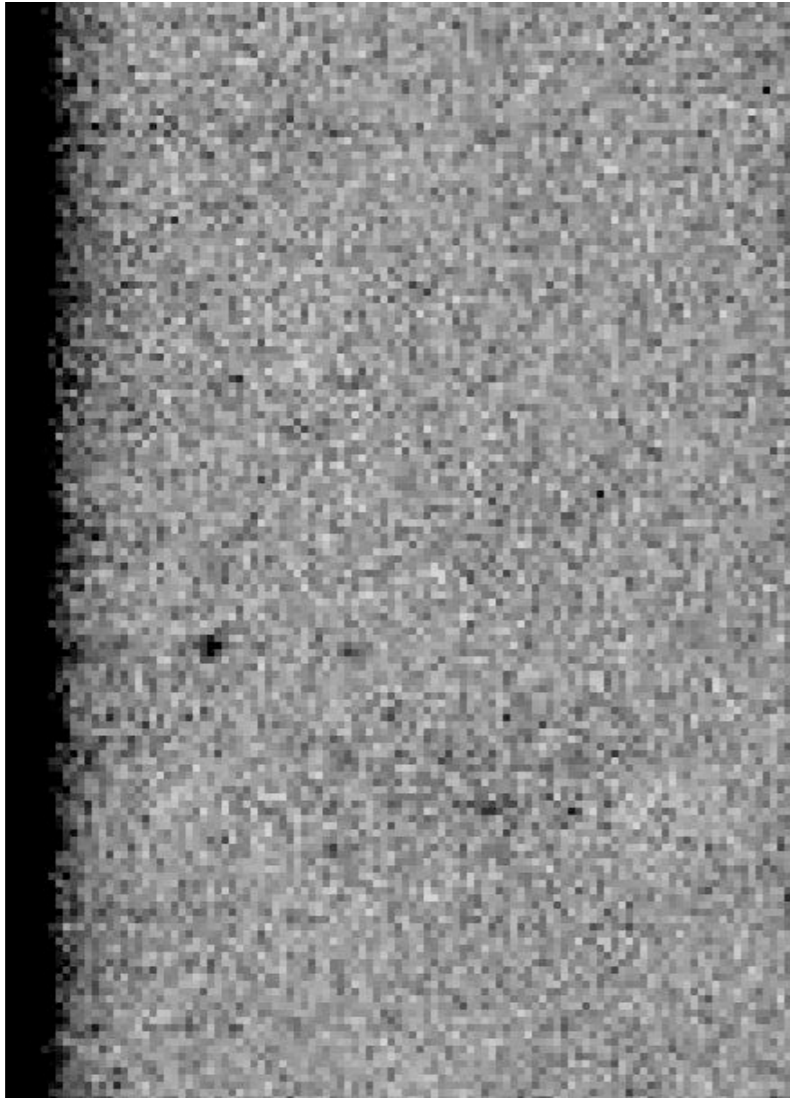


Zaritsky, Gordon, & Christlein 2005

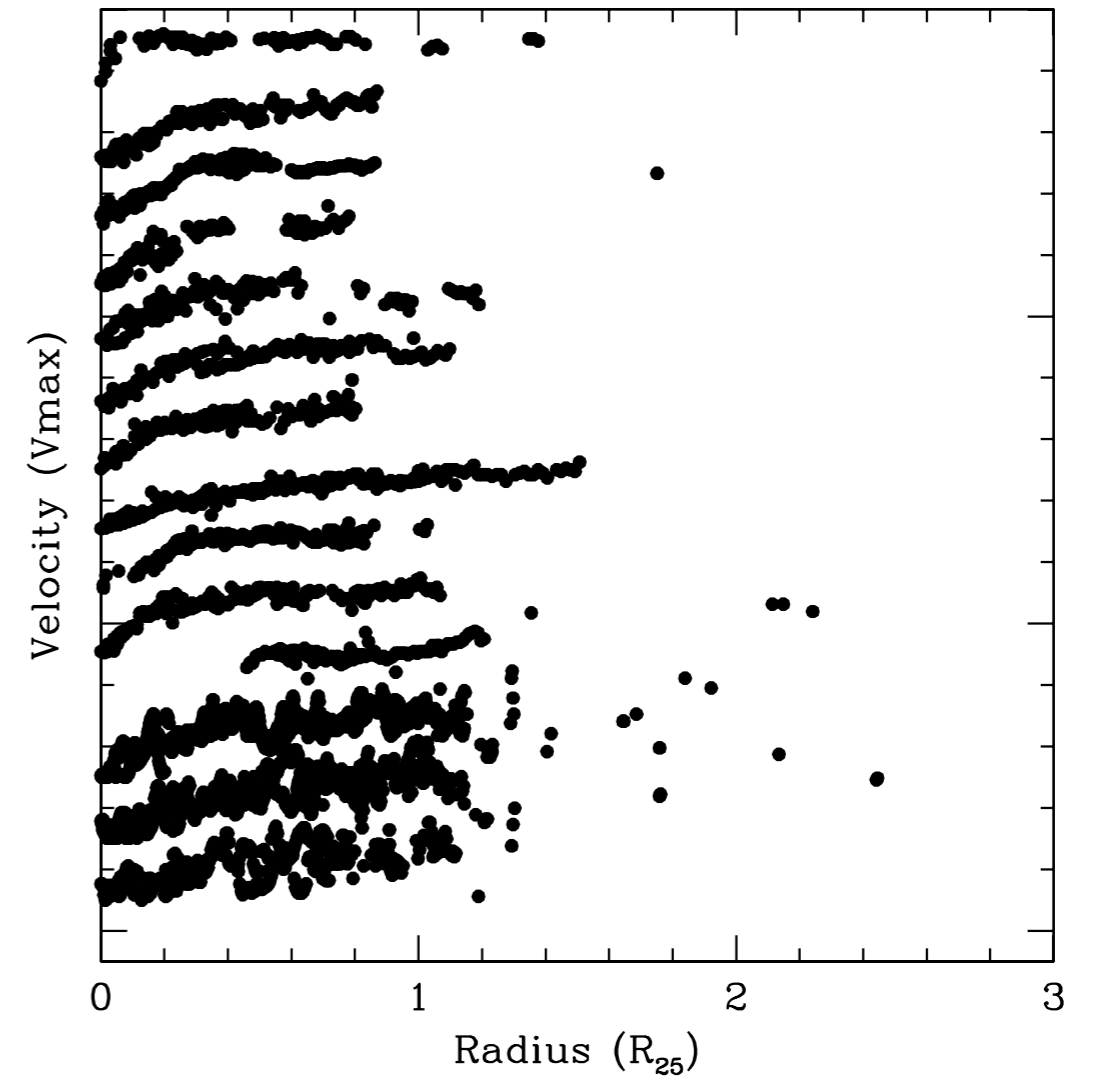
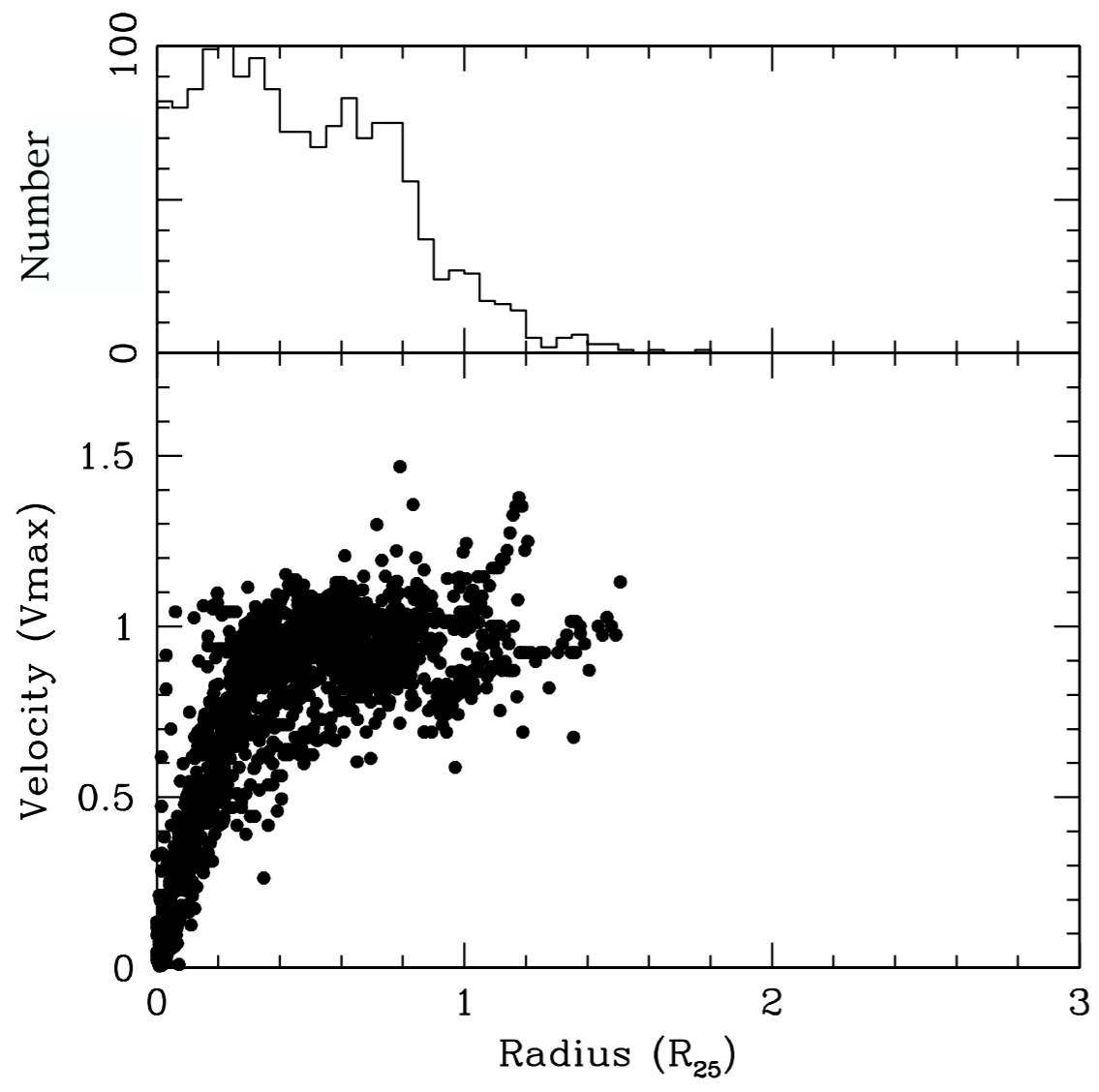


Nelson, Zaritsky, & Cutri 1998

H α \rightarrow



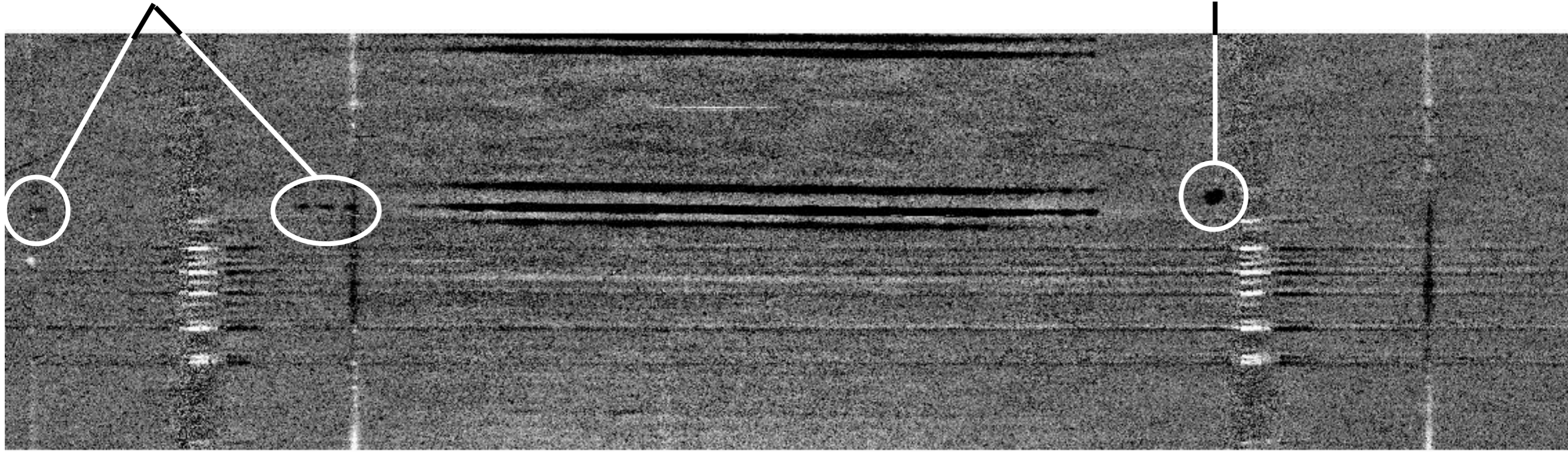
Christlein & Zaritsky 2005



ESO323-G033

Extended disk emission

Background source



Mask bridge

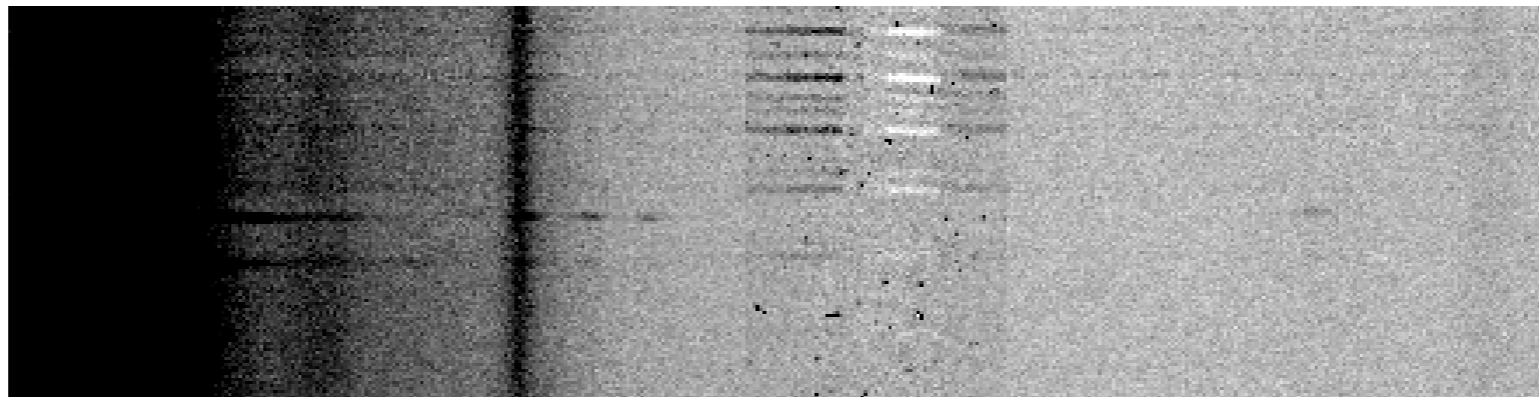
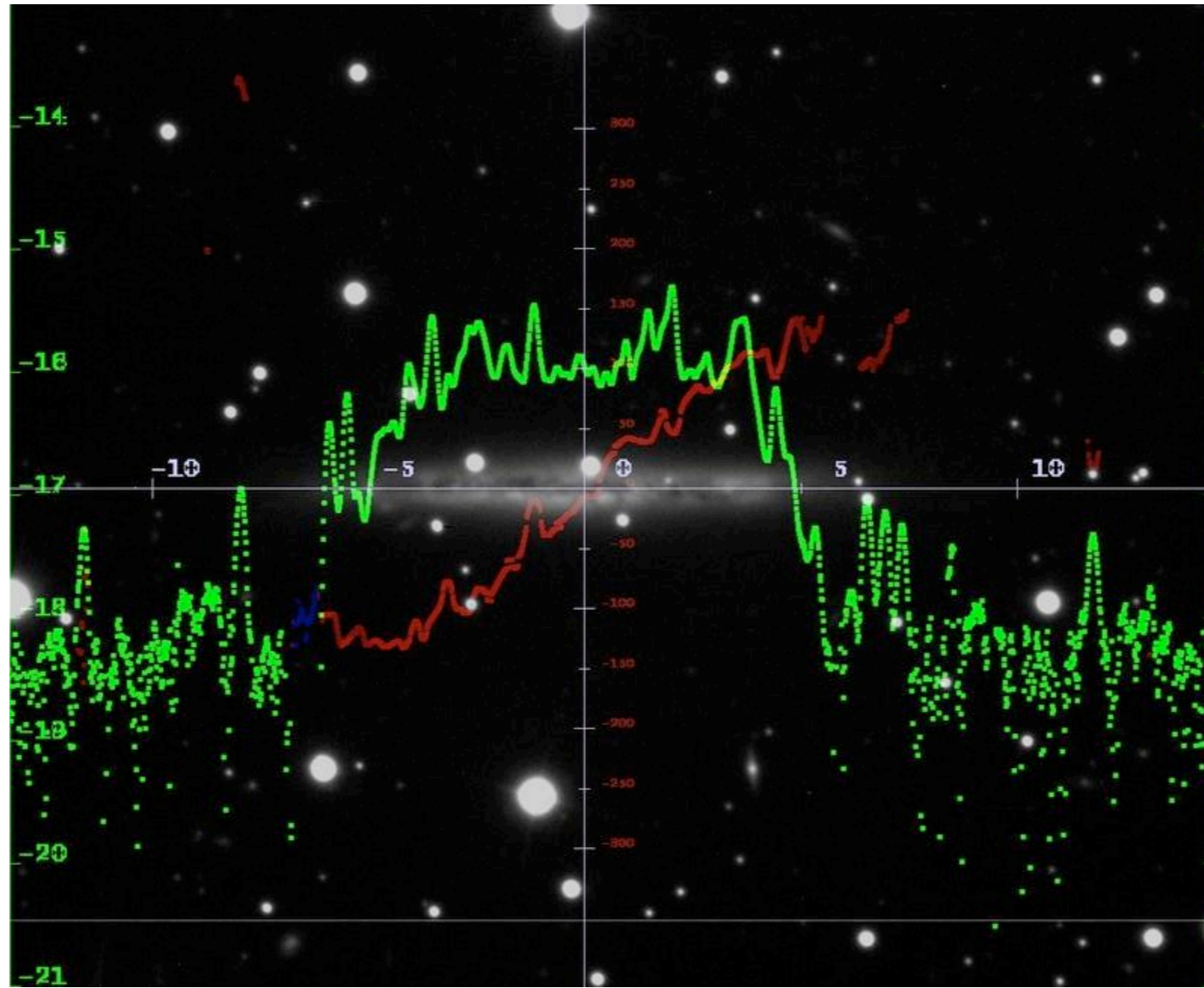
R_{25}

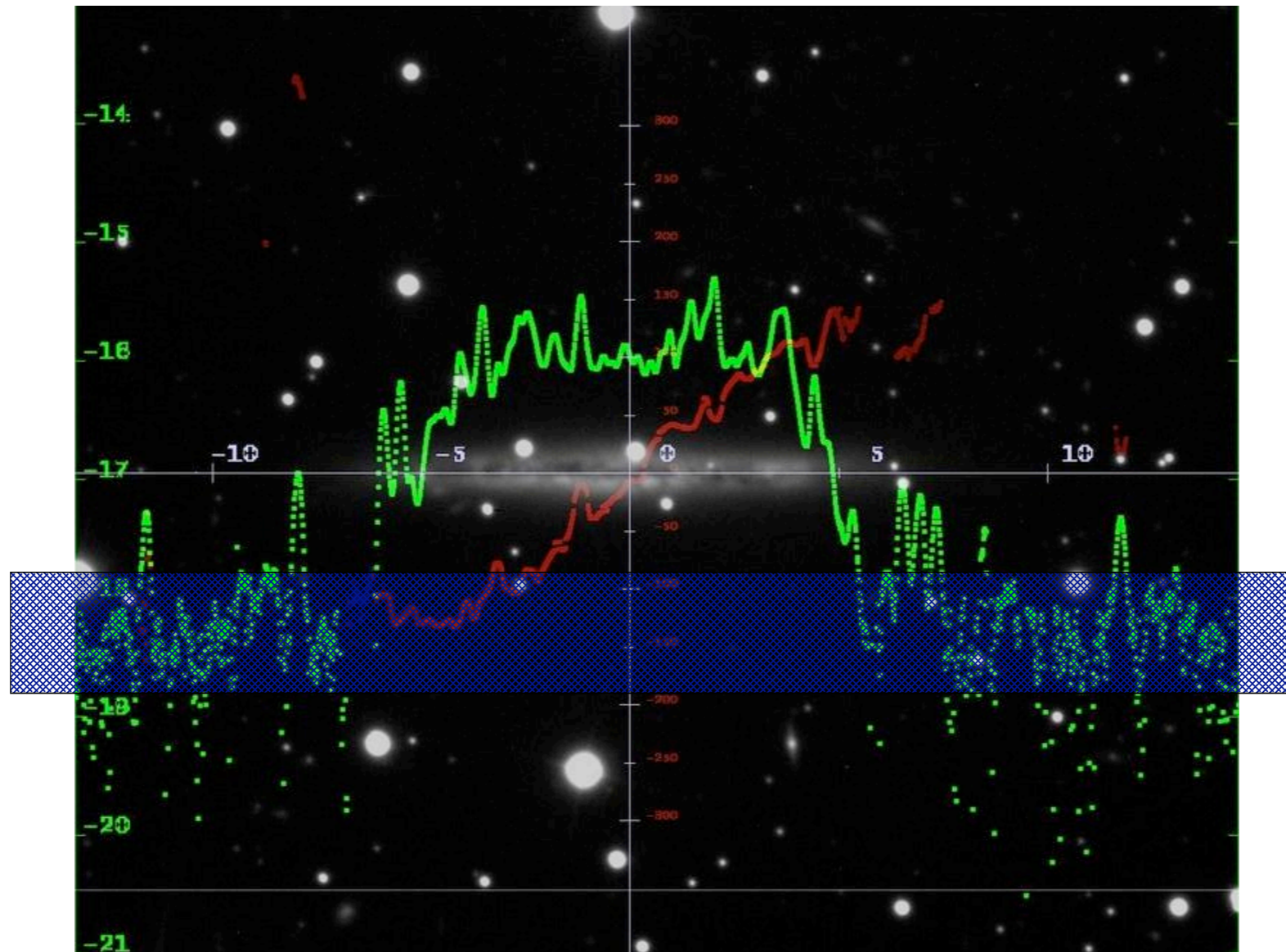
Mask bridge

Bad continuum subtraction

Bad continuum subtraction

Christlein & Zaritsky 2005



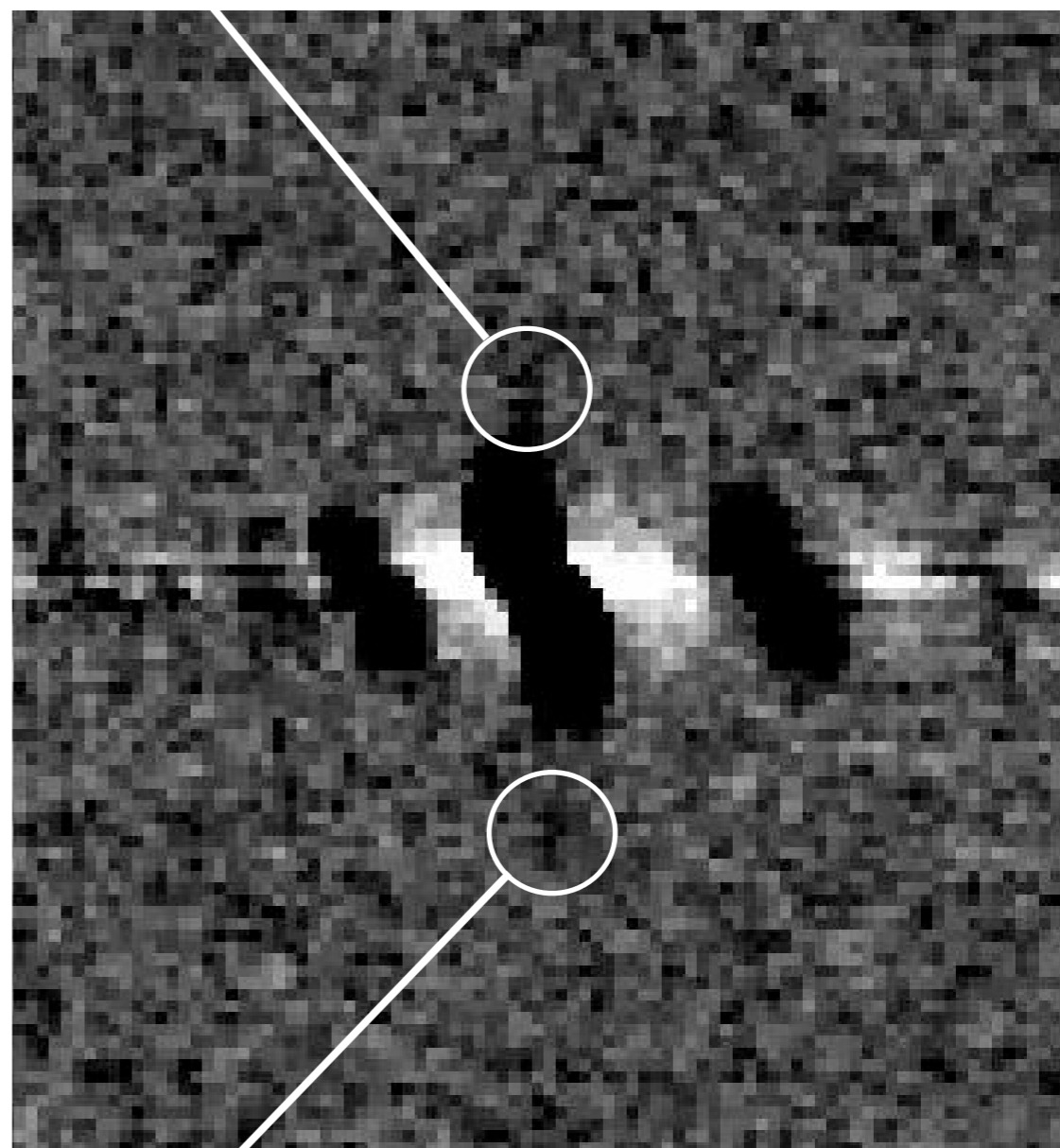
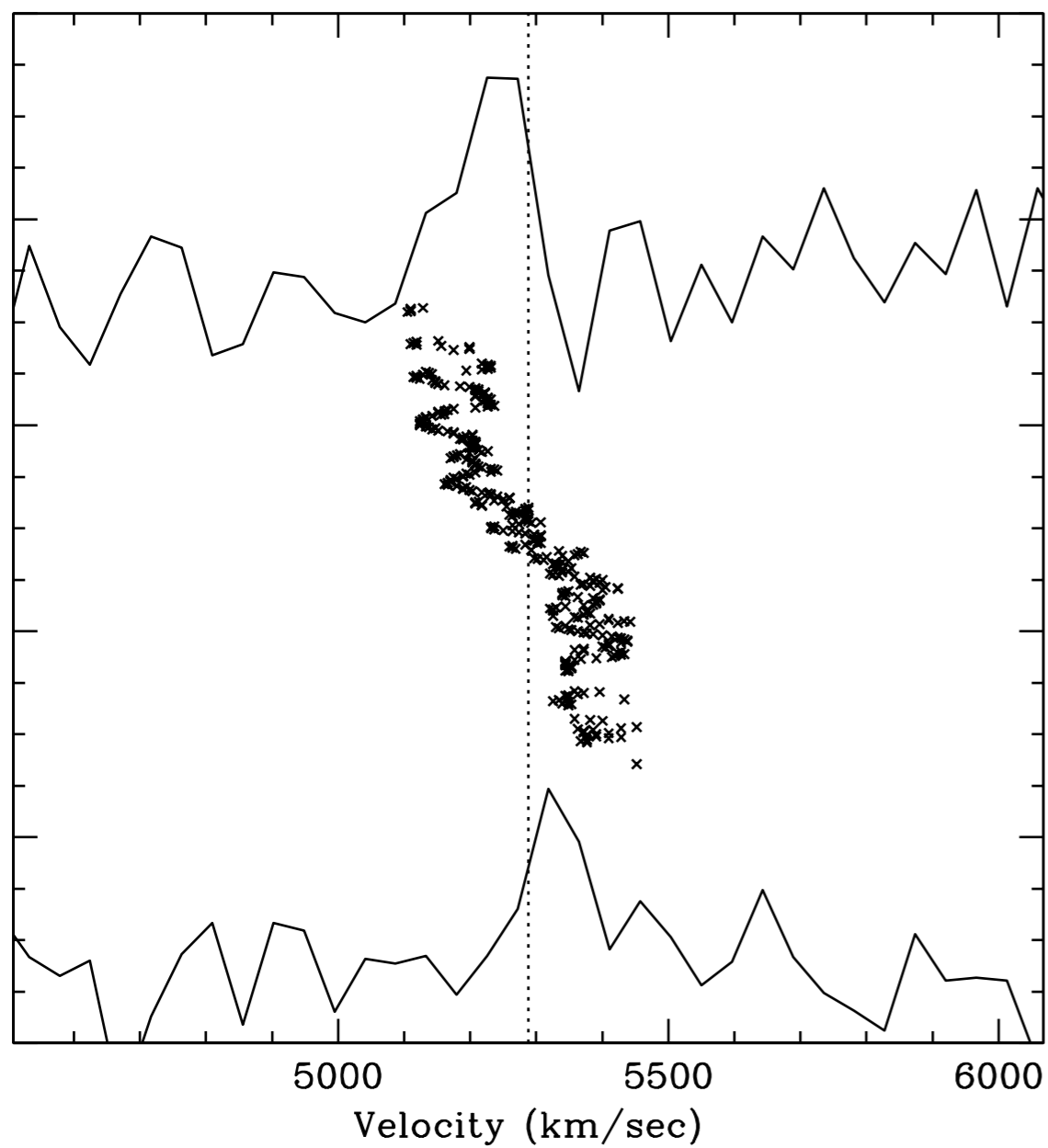


UV flux from Vogel et al. 1998; Scott et al. 2002

Diffuse, extended emission

ESO478-G011

26 kpc or $1.8 R_{25}$



35 kpc or $2.3 R_{25}$

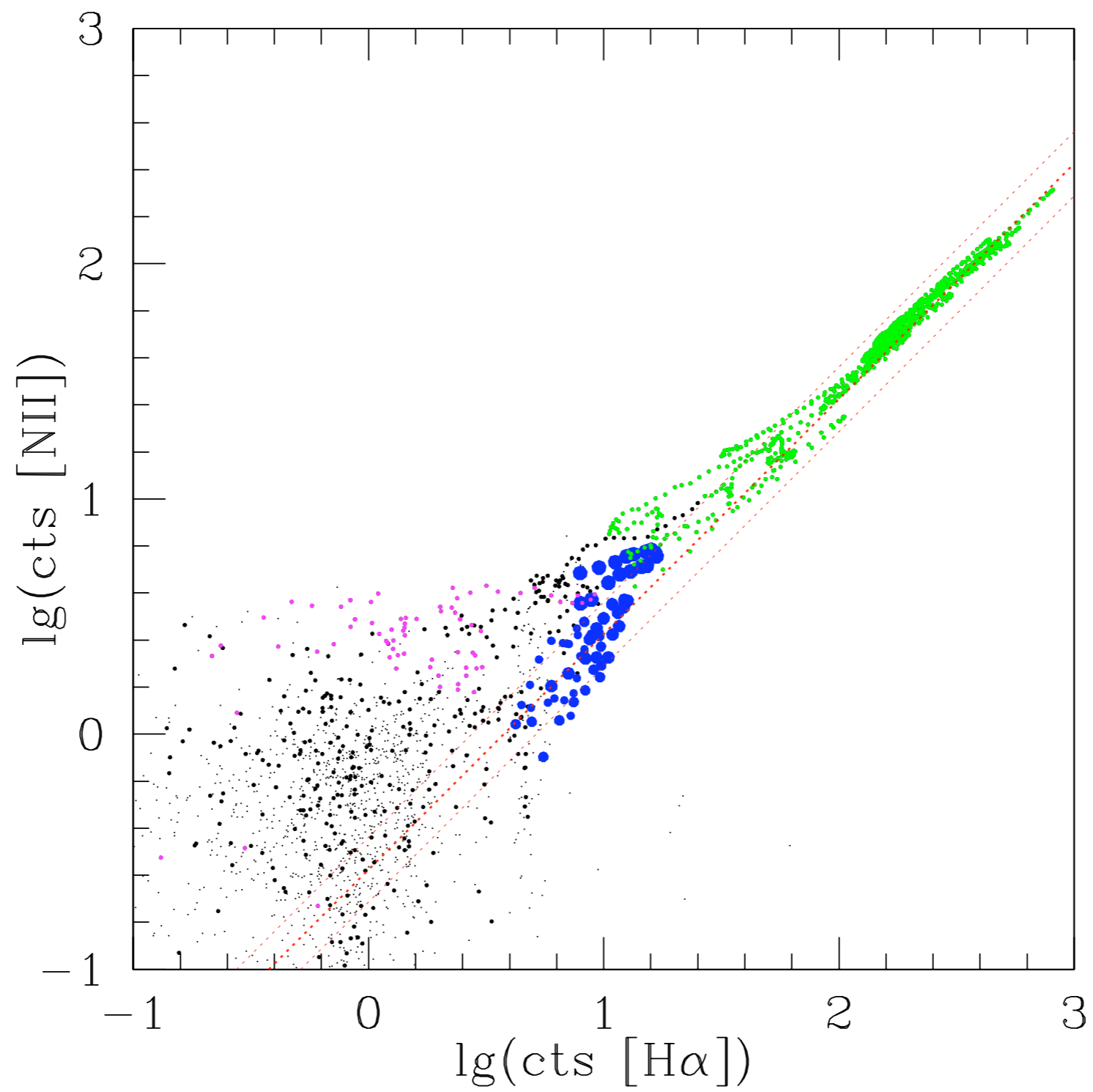
Summary

Extended disks from $\sim 1.2 R_{25}$

Dust present at least in knots (out to $< \sim 2 R_{25}$)

H α present in 3 forms (boundary layer, knots,
and extended, diffuse component)

Kinematics generally disk-like, but hints of
transition region



Disks:

$v \sim 200 \text{ km/sec}$

$r \sim 20 \text{ kpc}$

Satellites:

$v \sim 20 \text{ km/sec}$

$r \sim 200 \text{ kpc}$

