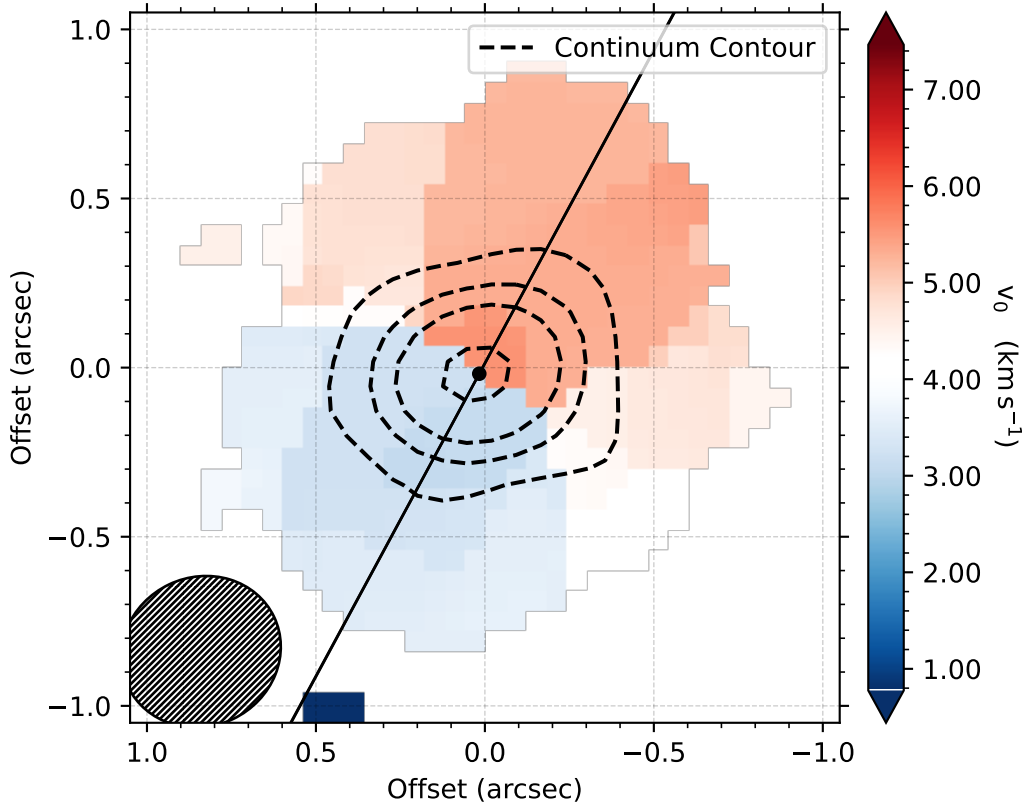
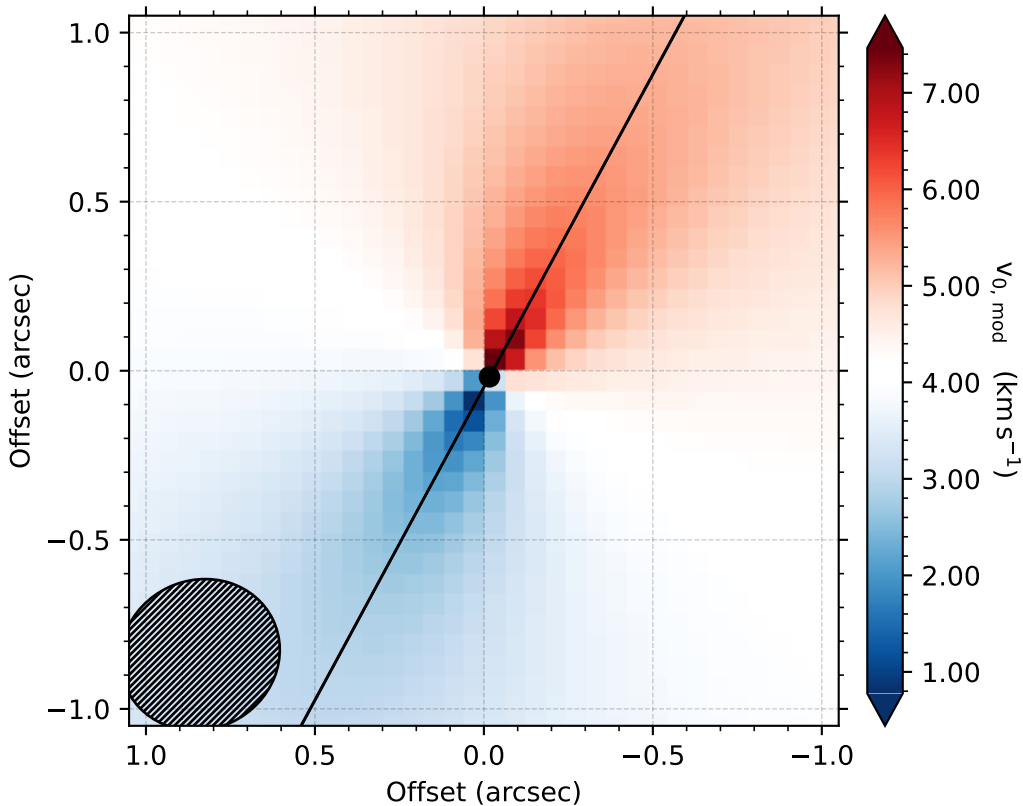


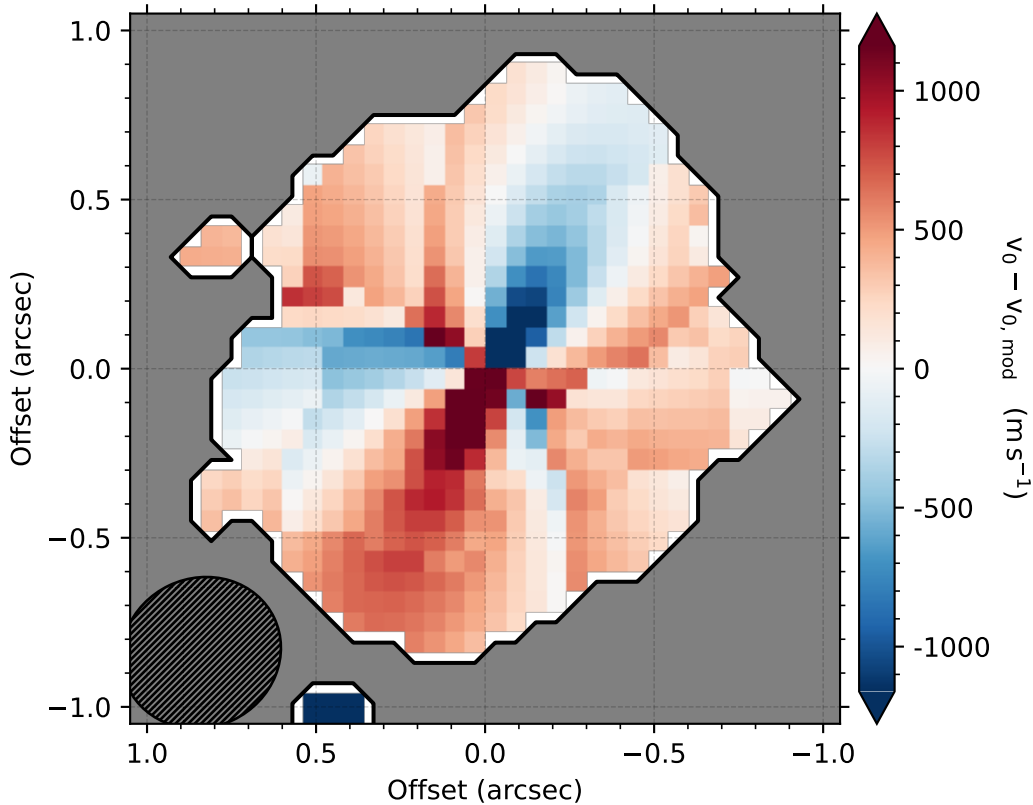
Sz130

Channels: 0-200

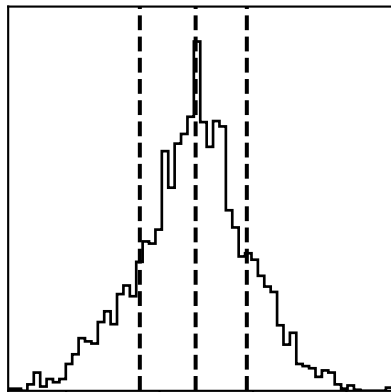


PA:  $331.6^\circ$

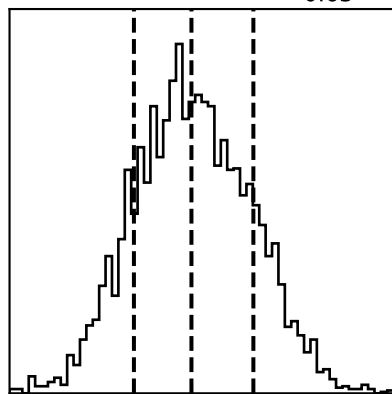




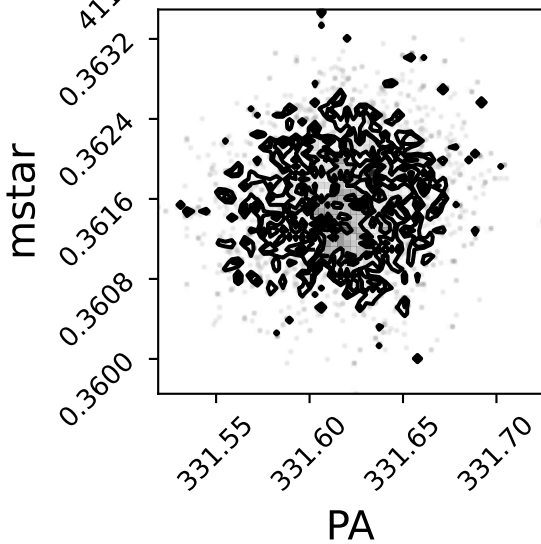
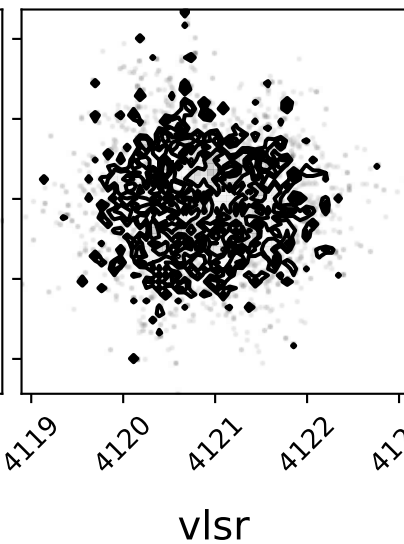
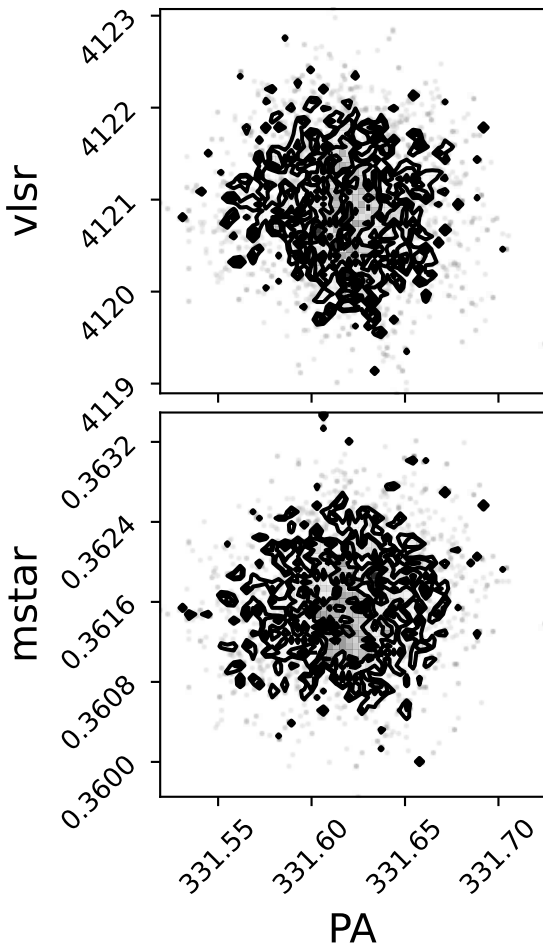
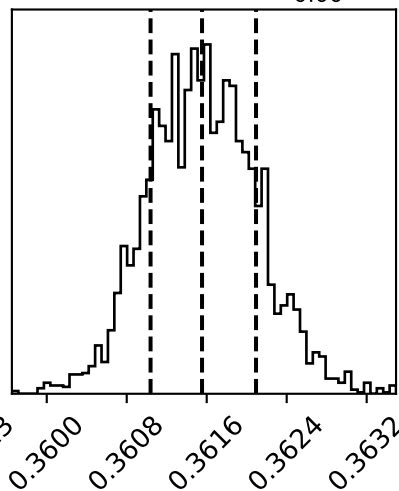
PA =  $331.62^{+0.03}_{-0.03}$



vlsr =  $4120.87^{+0.67}_{-0.63}$

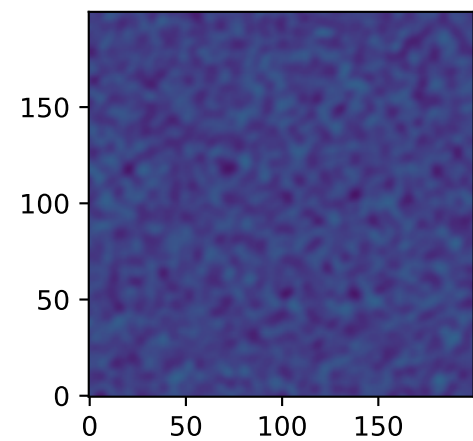


mstar =  $0.36^{+0.00}_{-0.00}$

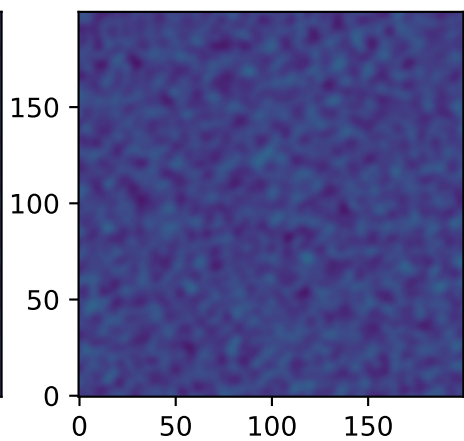


# Sz130, CO

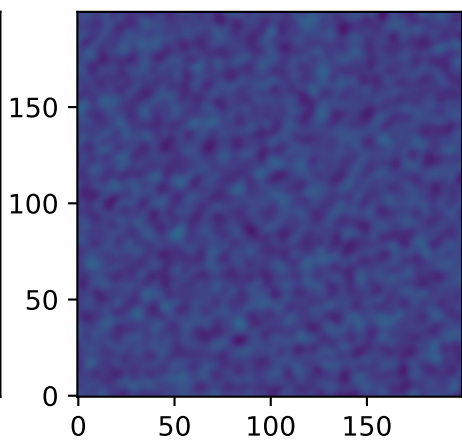
Channel: 10



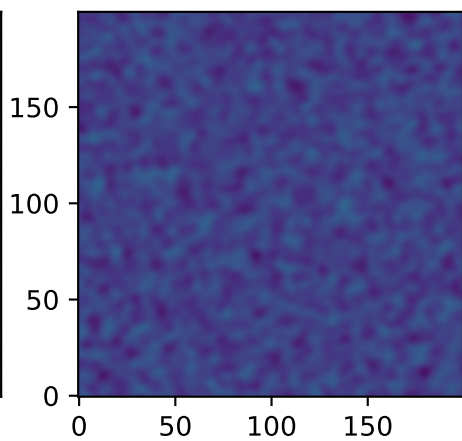
Channel: 20



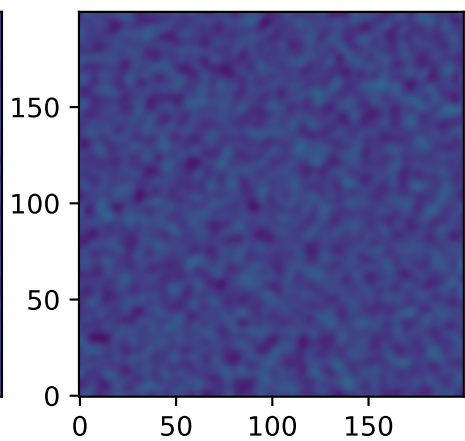
Channel: 30



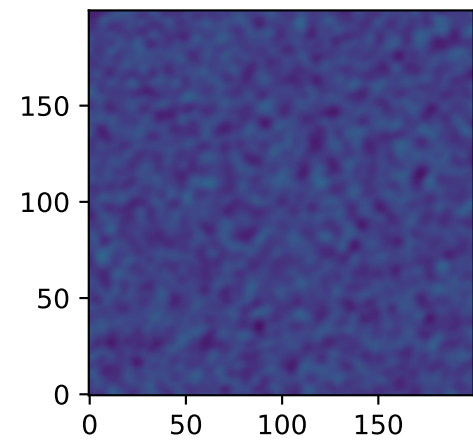
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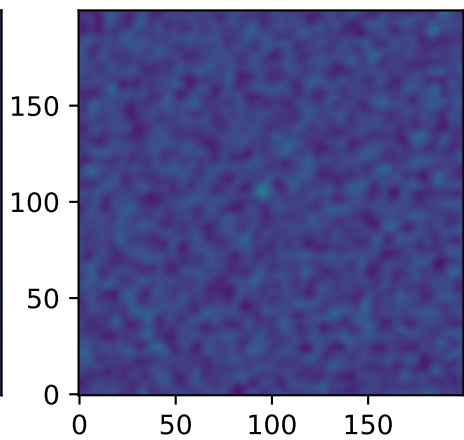
Channel: 50



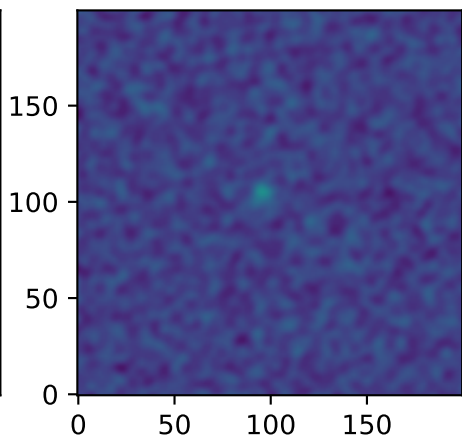
Channel: 60



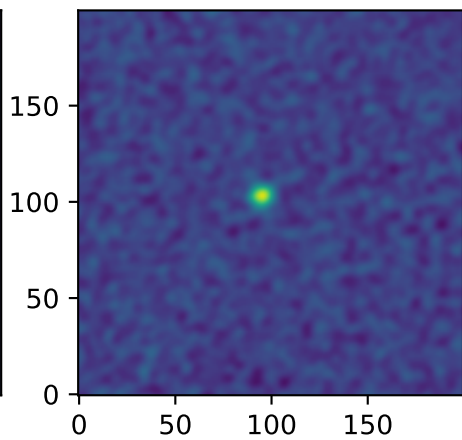
Channel: 70



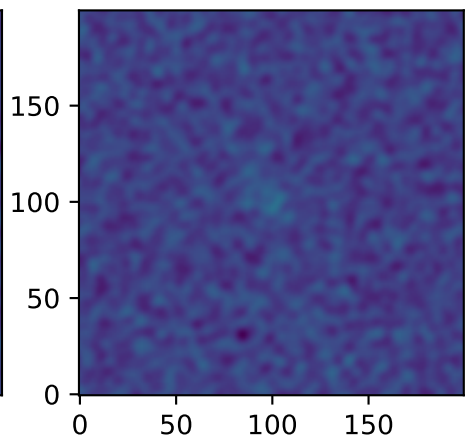
Channel: 80



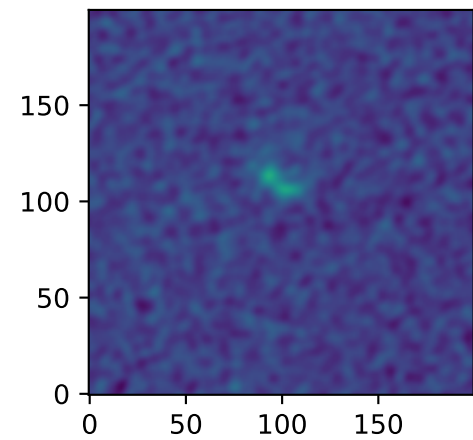
Channel: 90



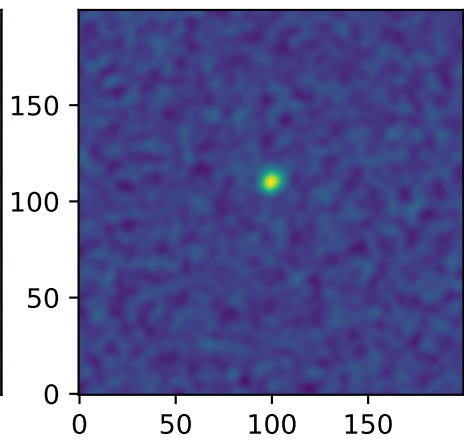
Channel: 100



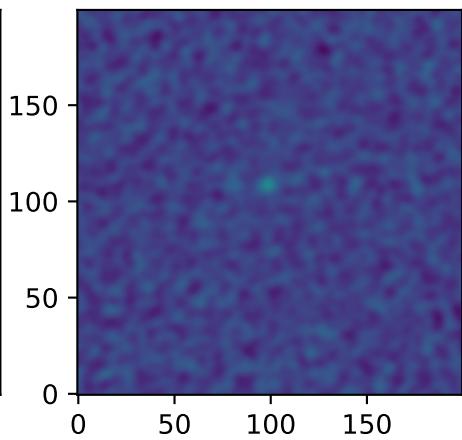
Channel: 110



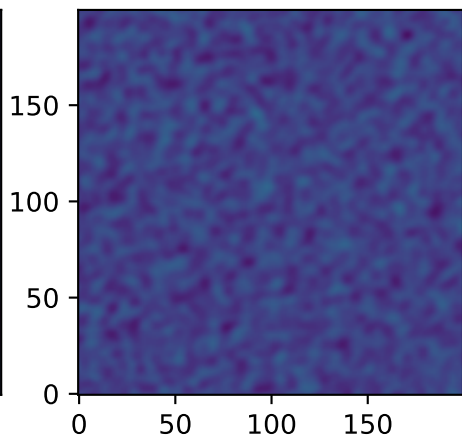
Channel: 120



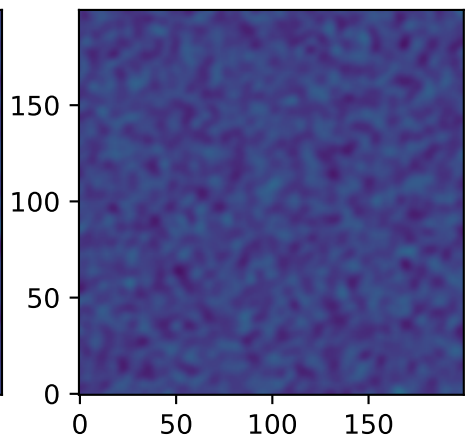
Channel: 130



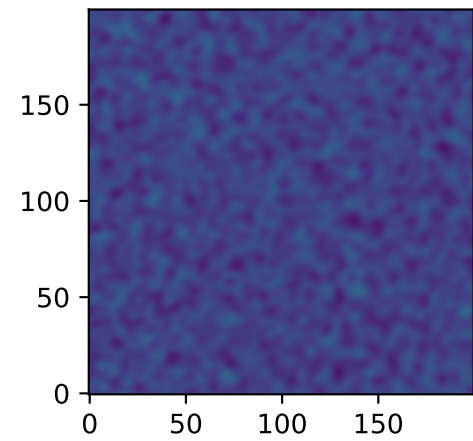
Channel: 140



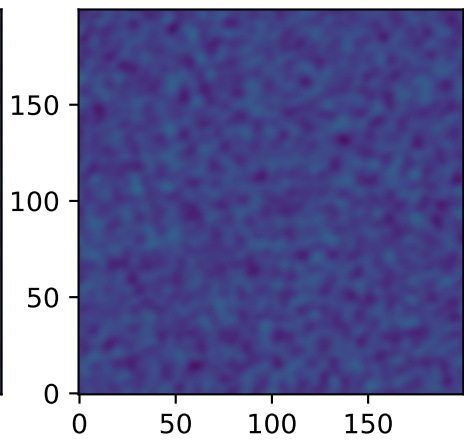
Channel: 150



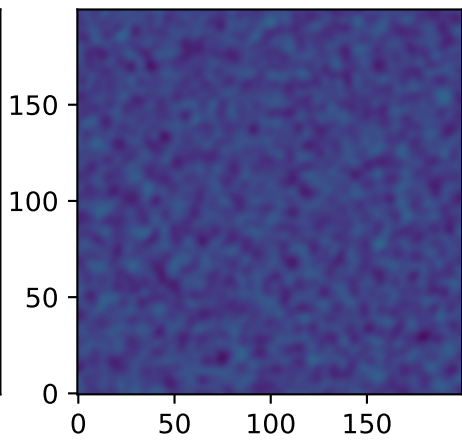
Channel: 160



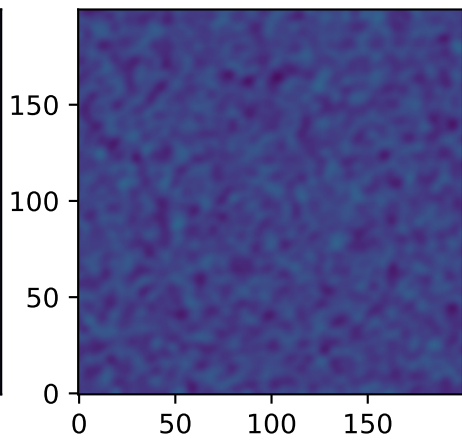
Channel: 170



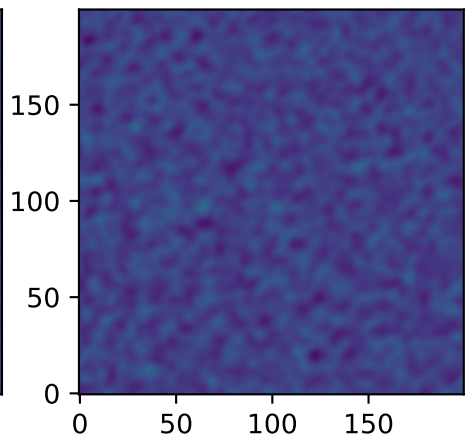
Channel: 180



Channel: 190



Channel: 200



Name: Sz130

Region: Lupus

File: /Users/calebpainter/Downloads/DECO/fits\_files/Lupus/Sz130\_CO\_230.538GHz.image.fits

Emmision Line: CO

Channels: (0, 200, 0, 200)

X-pos: 240.129216

Y-pos: -41.72709

X-offset: 0.02

Y-offset: -0.02

Literature PA: 130.22

Eddy PA: 331.62

Literature Mass [M]: 0.394

Eddy Mass [M]: 0.36

DECO Dict vsys [km/s]: 4.0

Eddy vlsr [m/s]: 4.12

Literature Inc: 54.74

Eddy Inc: --

Literature Distance [Mpc]: 159.18

Eddy rmin, rmax ["]: (None, None)

Eddy params (nwalkers, nburn, nsteps): (10, 800, 500)

Velocity Mask: None

Background Velocity Removal: None

Notes: MCMC GOOD