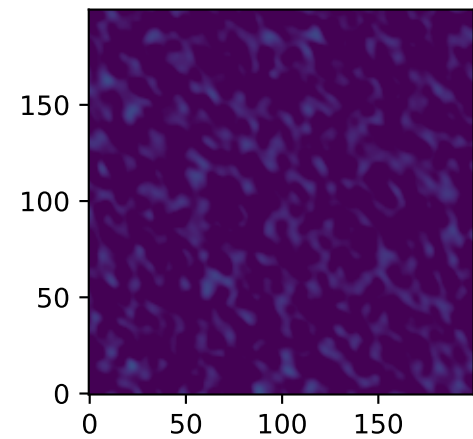
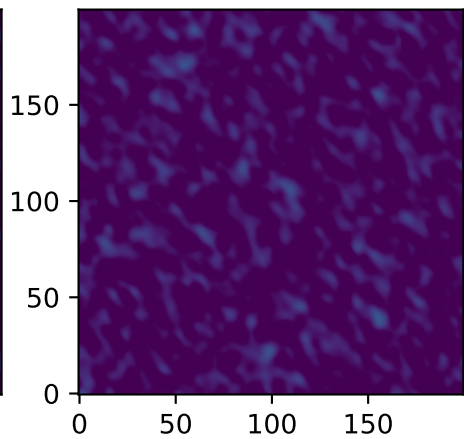


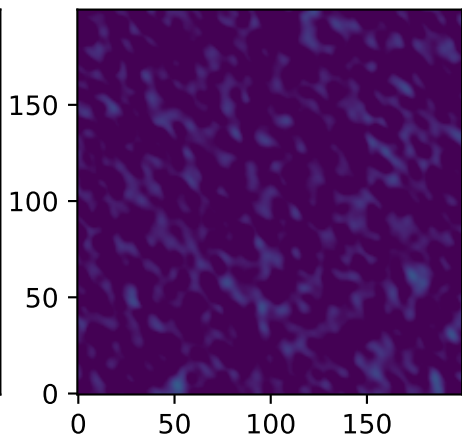
Channel: 10



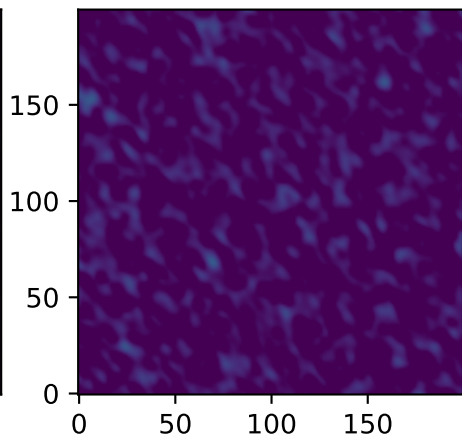
Channel: 20



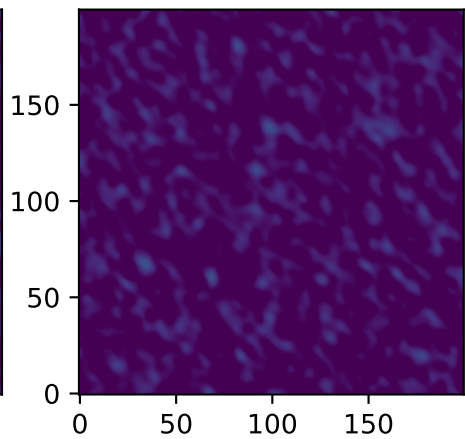
Channel: 30



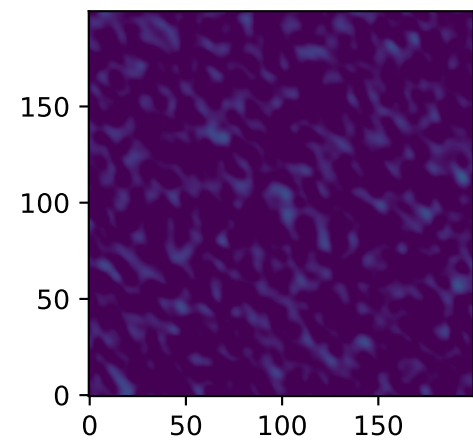
Channel: 40



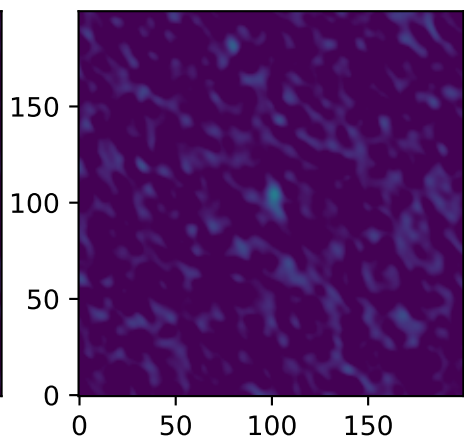
Channel: 50



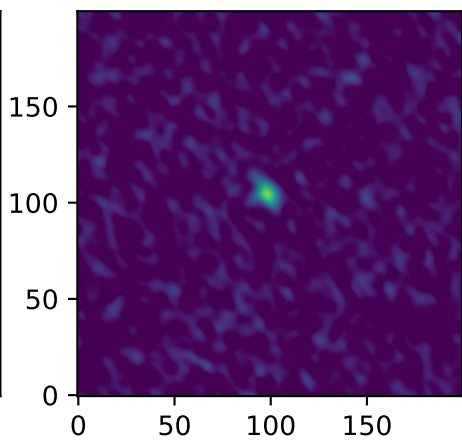
Channel: 60



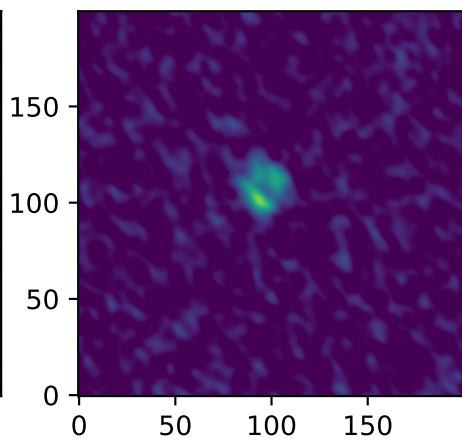
Channel: 70



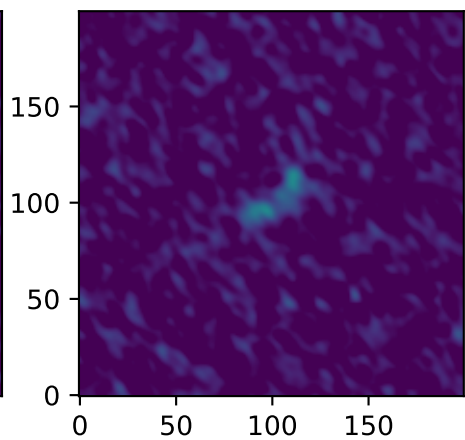
Channel: 80



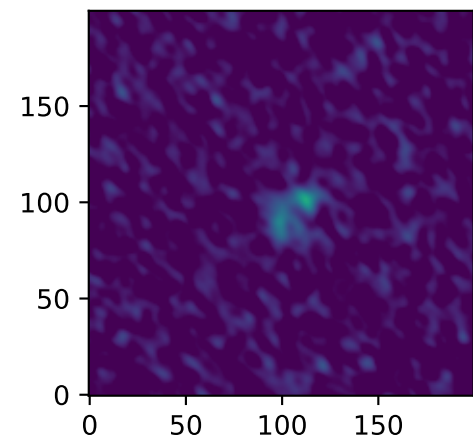
Channel: 90



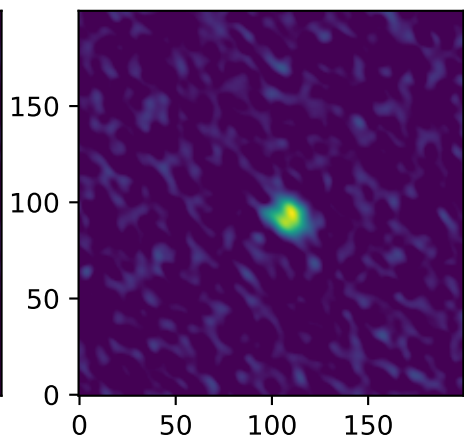
Channel: 100



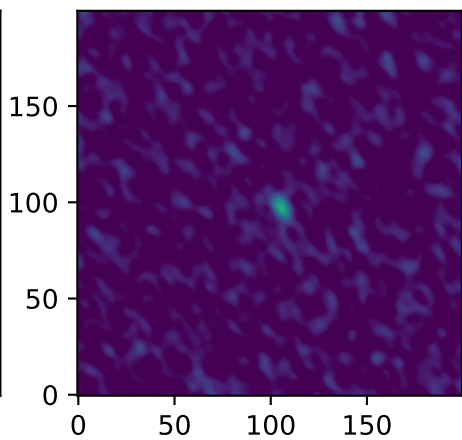
Channel: 110



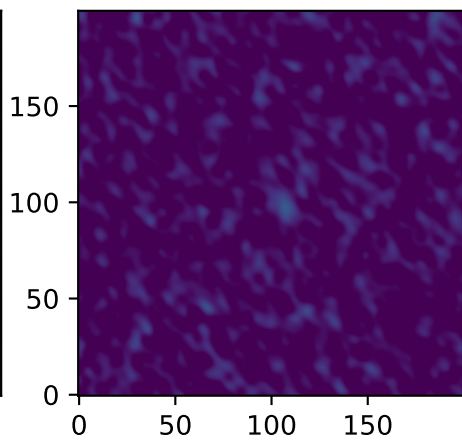
Channel: 120



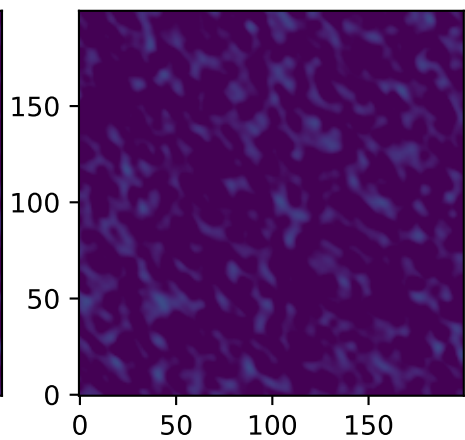
Channel: 130



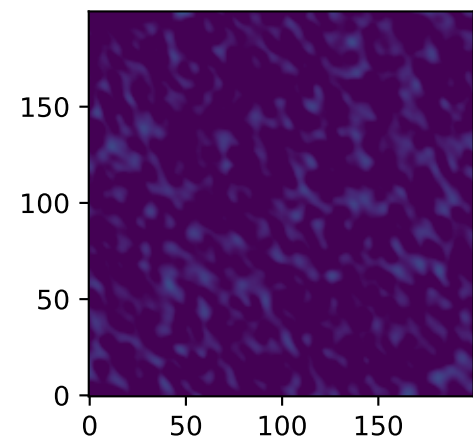
Channel: 140



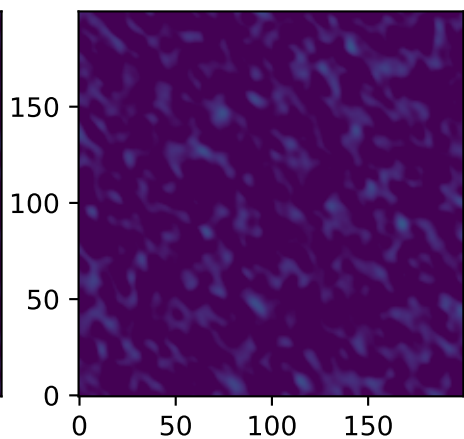
Channel: 150



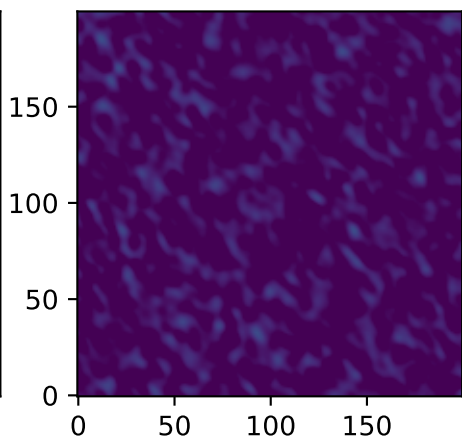
Channel: 160



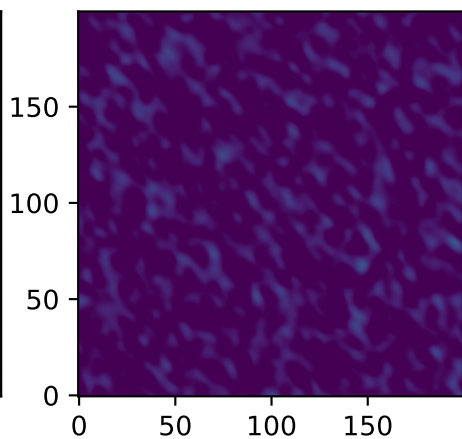
Channel: 170



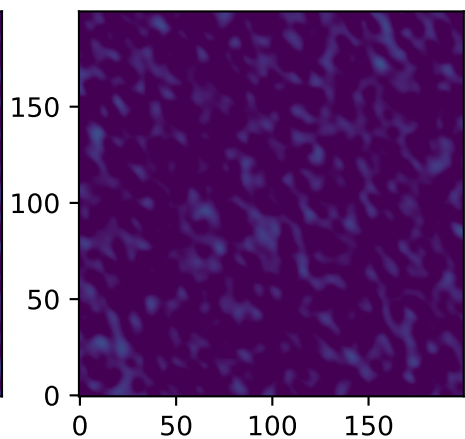
Channel: 180



Channel: 190



Channel: 200



Dec

$-77^{\circ}04'55''$

56"

57"

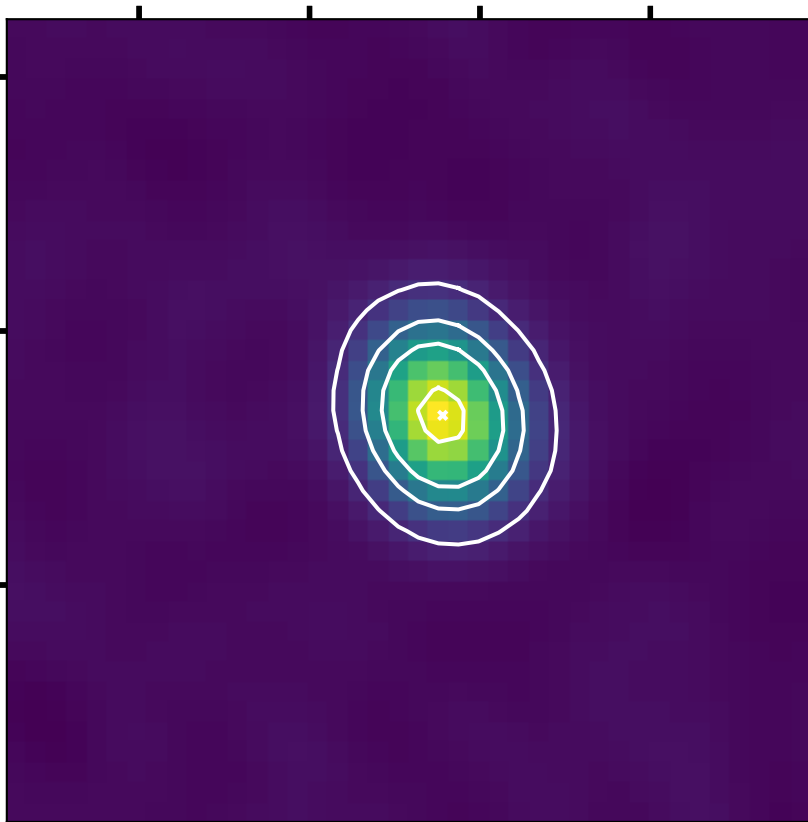
$11^{\text{h}}17^{\text{m}}42.6^{\text{s}}$

42.4^{s}

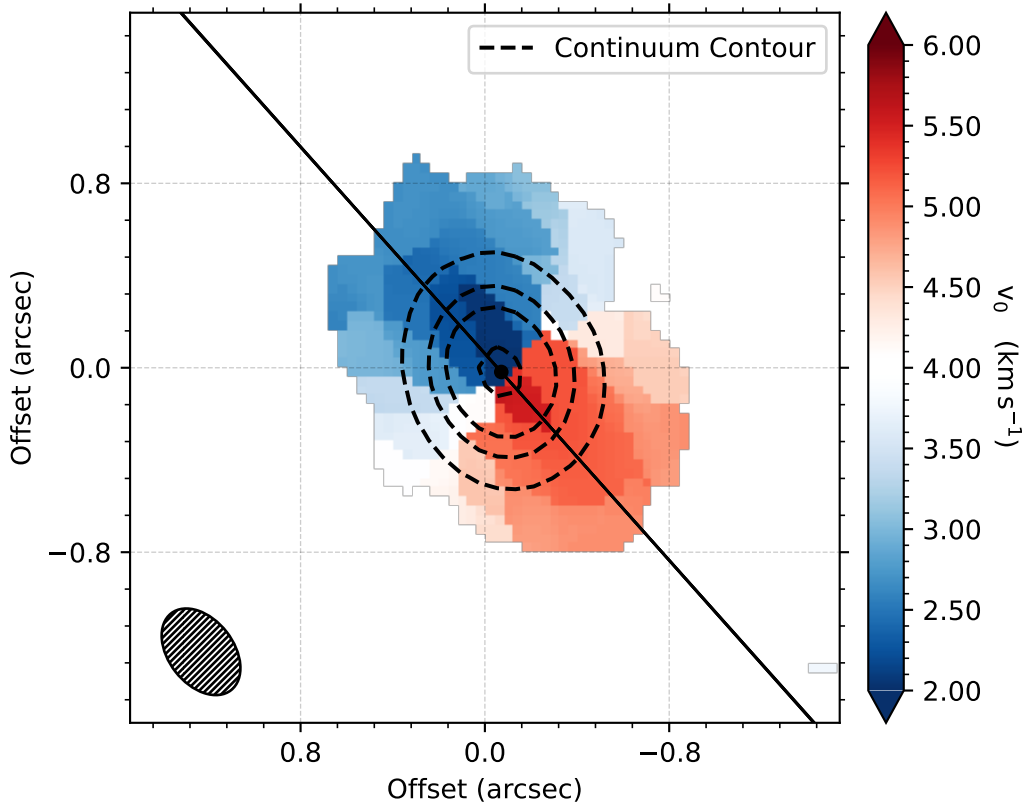
42.2^{s}

42.0^{s}

RA

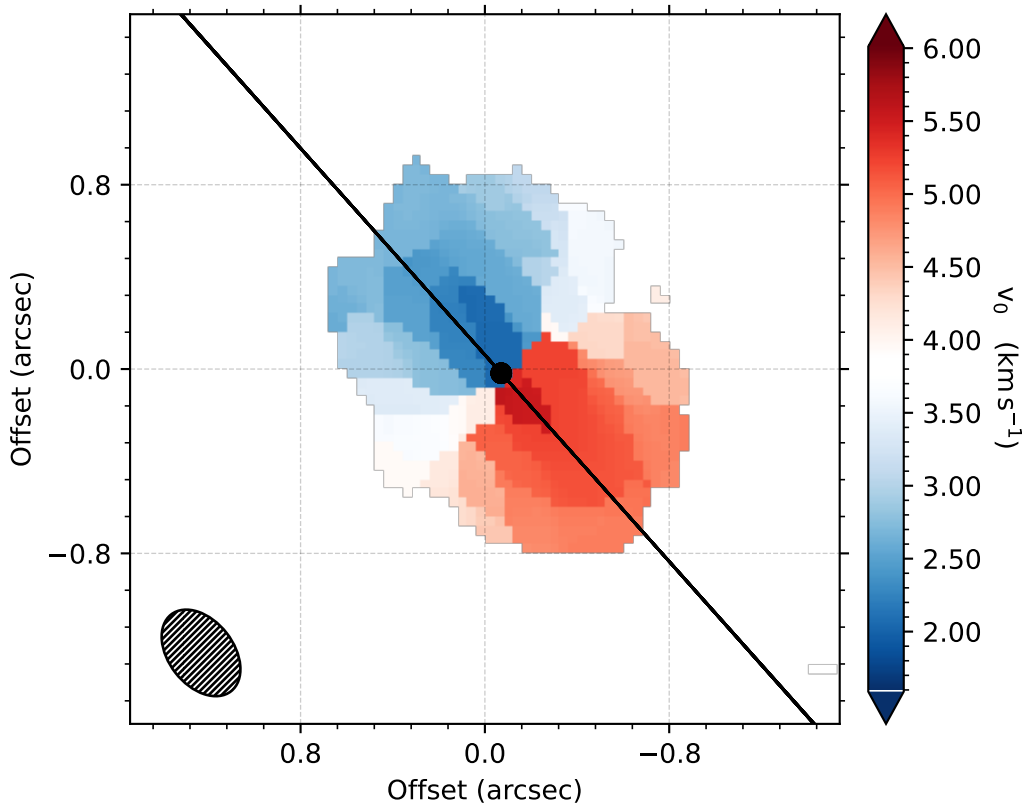


J11173700-7704381

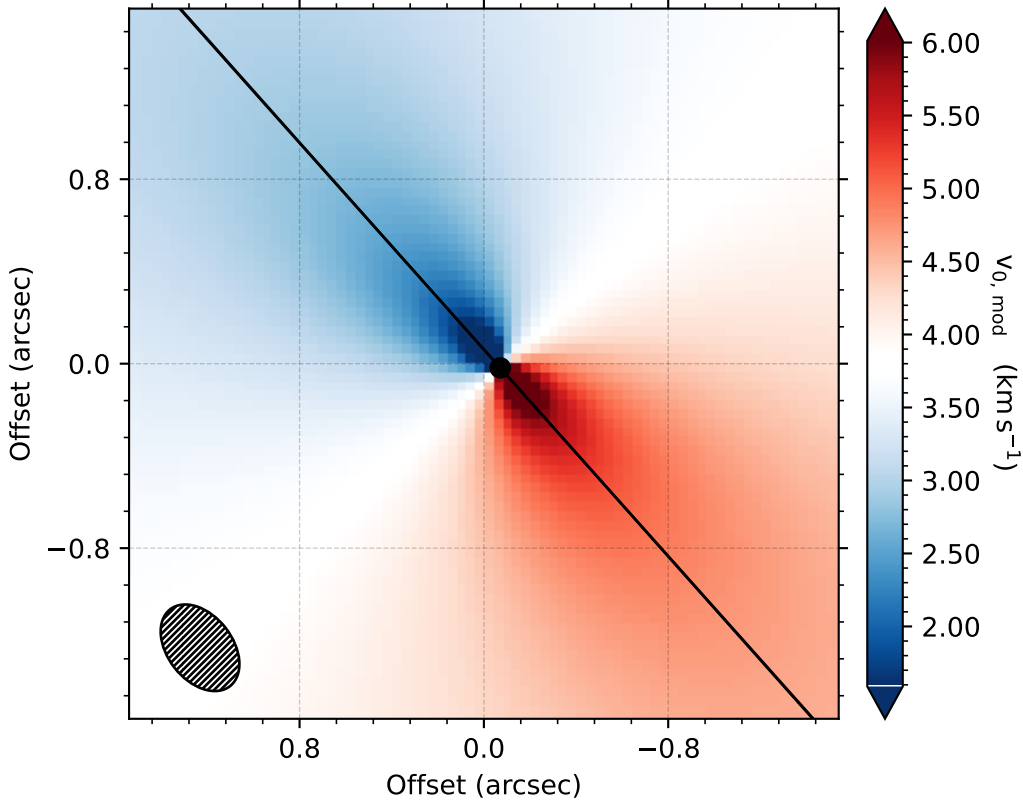


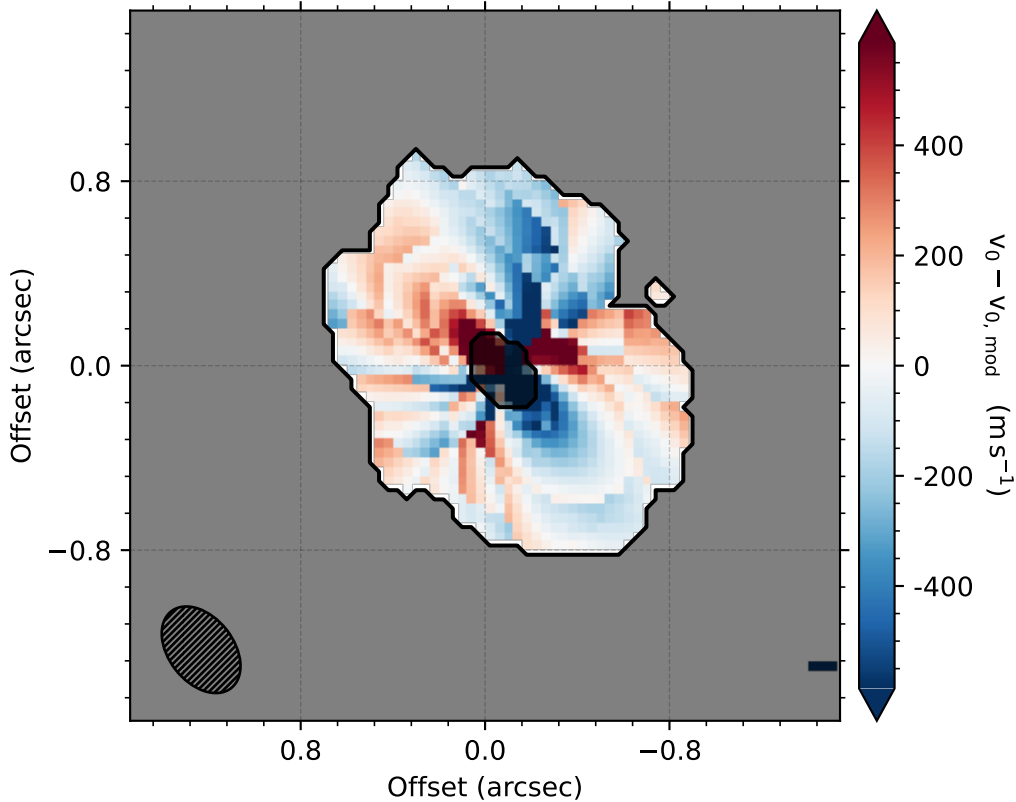
J11173700-7704381

Masked Data, with Background Subtraction [km/s] = None

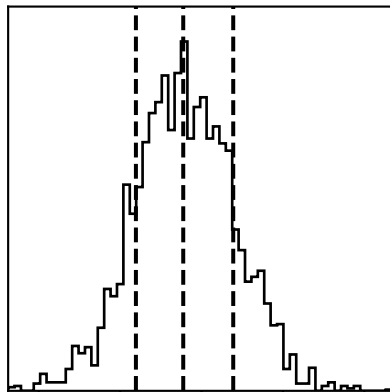


PA: 221.7°

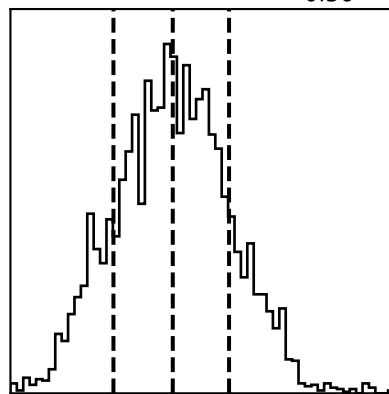




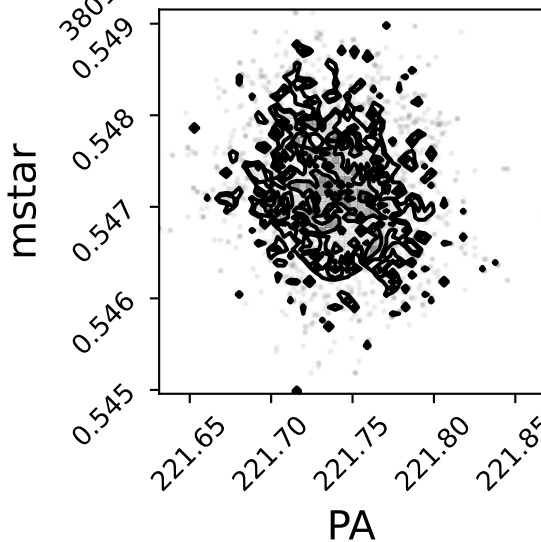
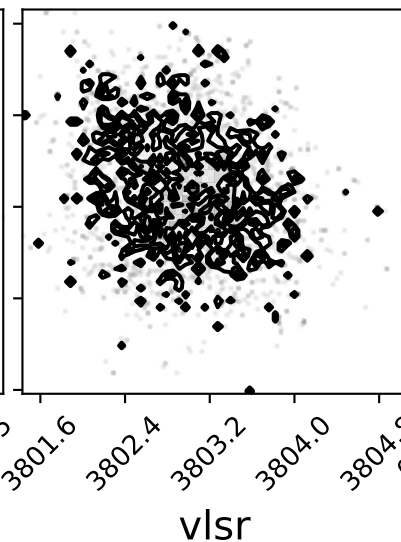
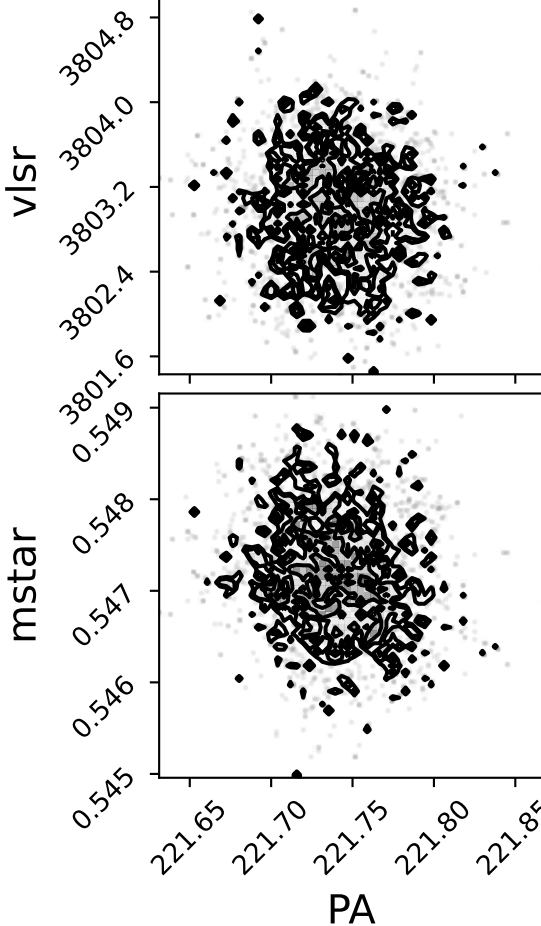
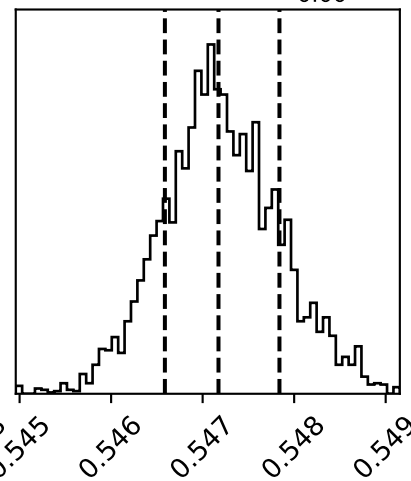
PA = $221.74^{+0.03}_{-0.03}$



vlsr = $3802.96^{+0.53}_{-0.56}$



mstar = $0.55^{+0.00}_{-0.00}$



Name: J162618.9-242820

Region: ROph

File: /Users/calebpainter/Downloads/DECO/fits_files/ROph/J162618.9-242820_CO_230.538GHz.image.fits

Emmision Line: CO

Channels: (30, 70, 150, 200)

X-pos: 246.578603

Y-pos: -24.472317

X-offset: -0.32

Y-offset: 0.3

Literature PA: 29.7

Eddy PA: 169.01

Literature Mass [M]: 0.5875

Eddy Mass [M]: --

DECO Dict vsys [km/s]: 3.3

Eddy vlsr [m/s]: 1.98

Literature Inc: 0

Eddy Inc: -49.7

Literature Distance [Mpc]: 137.53

Eddy rmin, rmax ["]: (0.2, 1.5)

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

Velocity Mask: None

Background Velocity Removal: None

Notes: MCMC GOOD