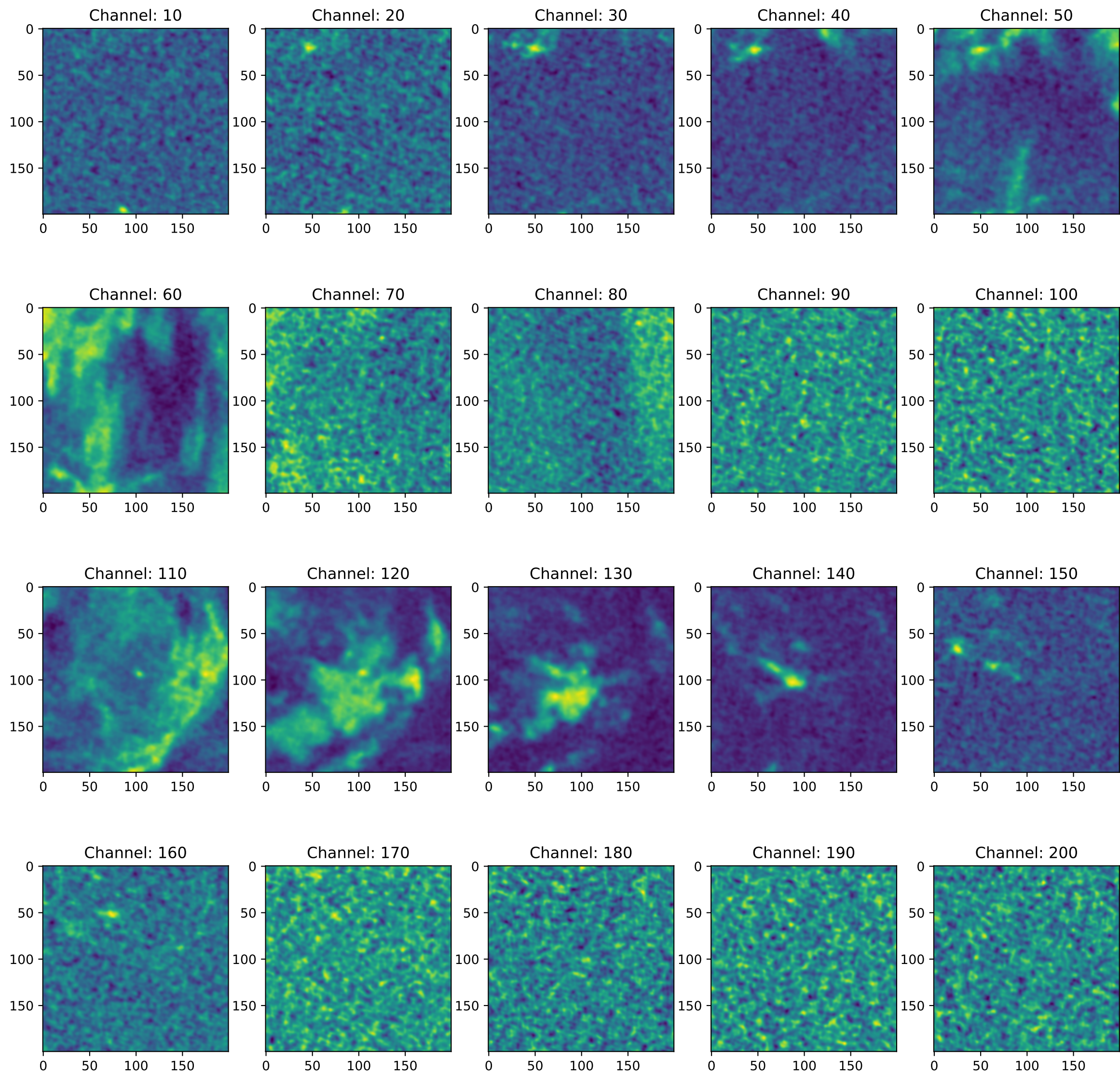


J162730.2-242743, CO



Continuum Stamp

pos.eq.dec

$-24^{\circ}28'01''$

02"

03"

$16^{\text{h}}27^{\text{m}}31.60^{\text{s}}$

31.55^{s}

31.50^{s}

31.45^{s}

pos.eq.ra

0.8

0.6

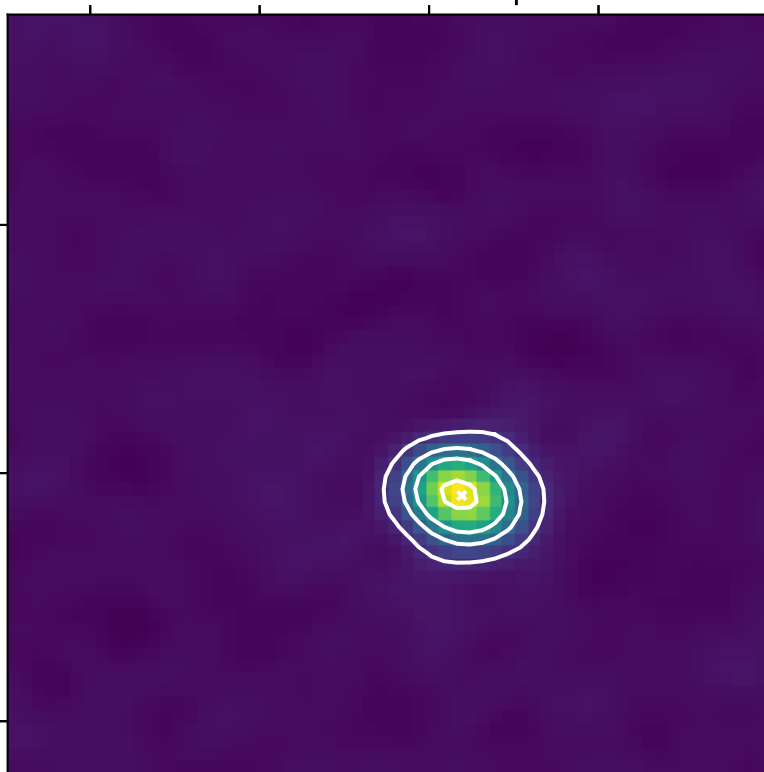
0.4

0.2

0.0

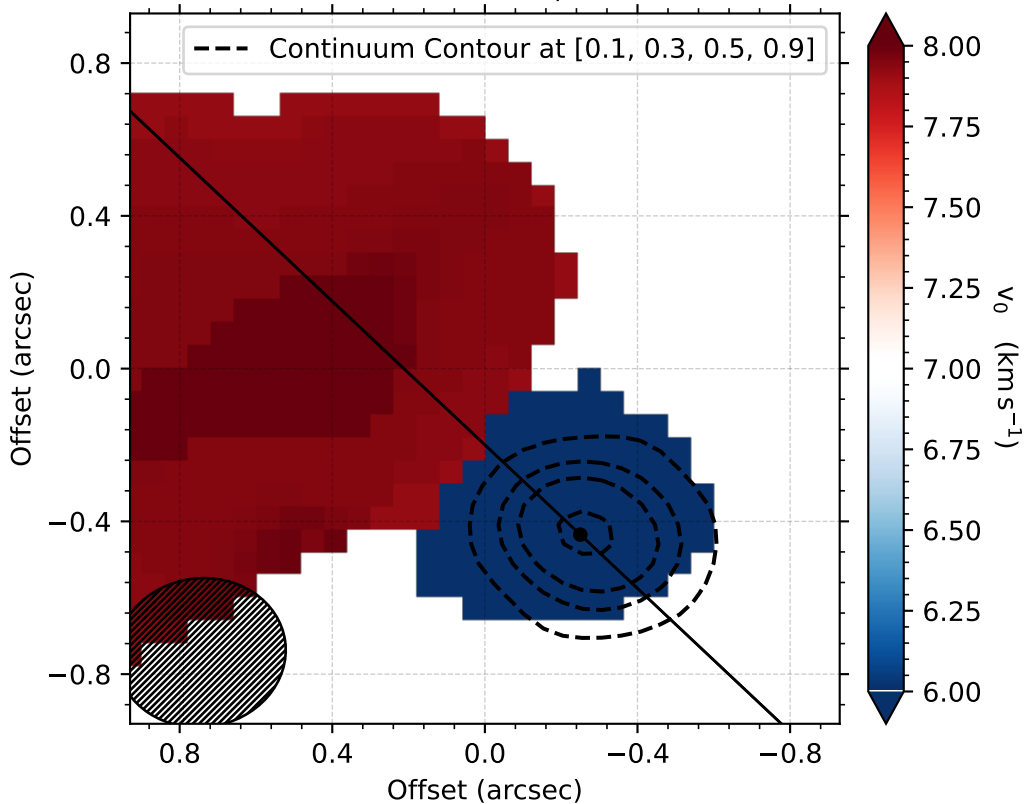
0.025

x



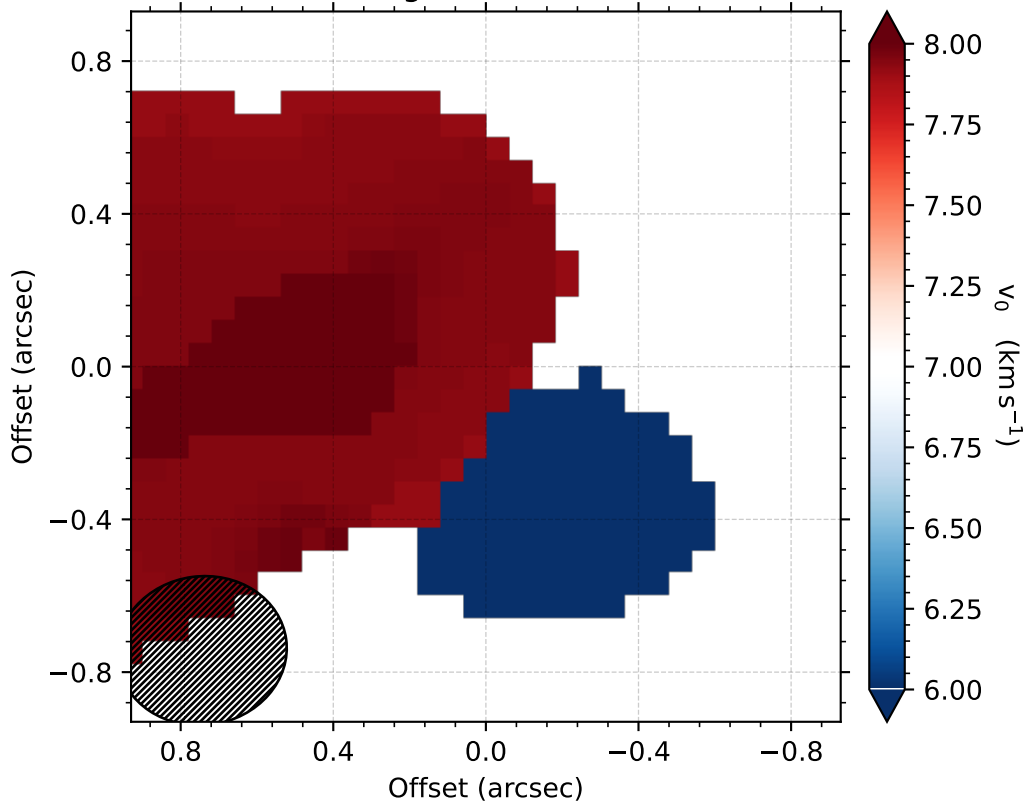
J162730.2-242743

Channels: 70-110,140-200



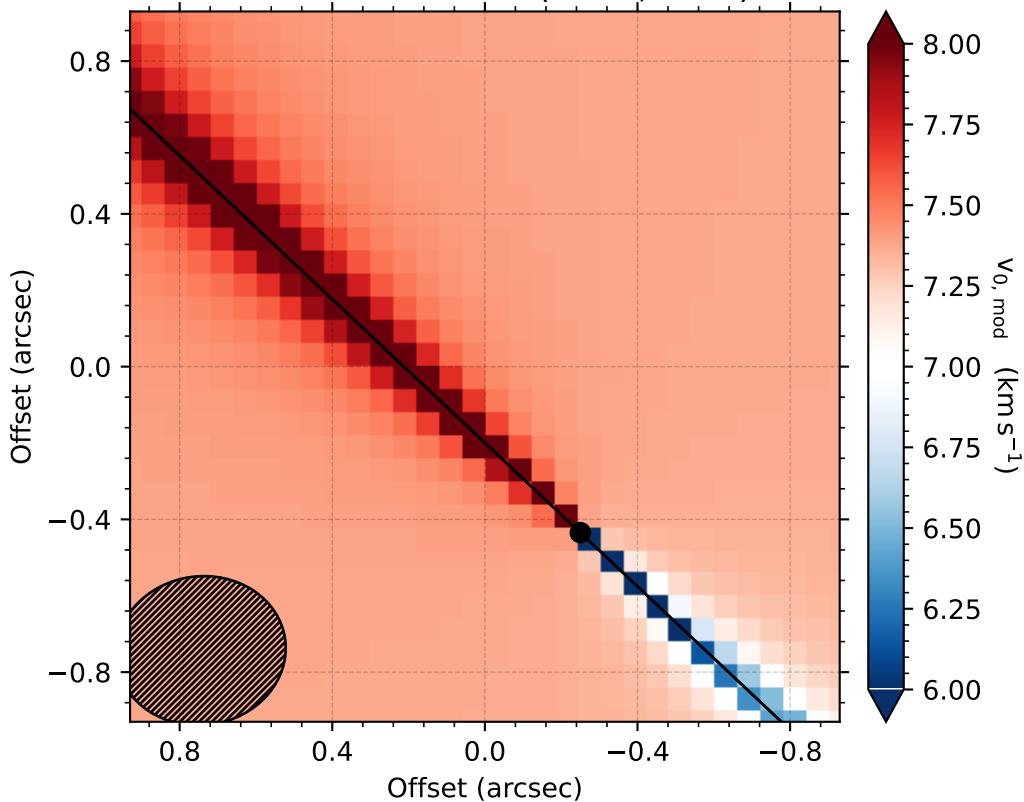
J162730.2-242743

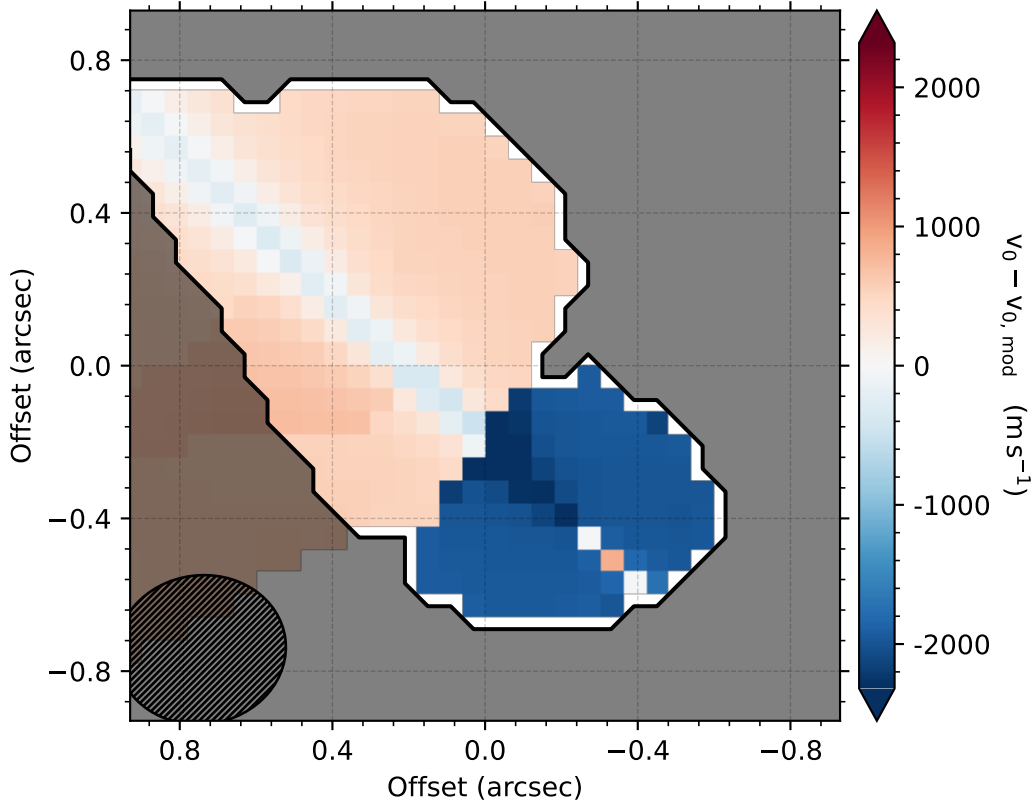
Masked Data, with Background Subtraction [km/s] = None



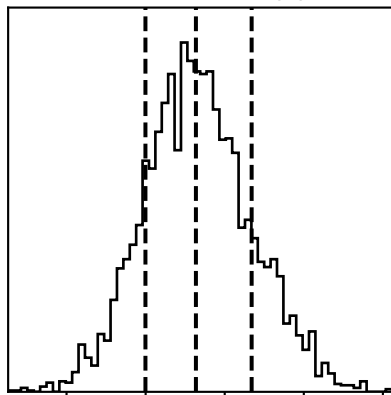
J162730.2-242743

PA: 46.8° -- Offset $(-0.25, -0.43)$

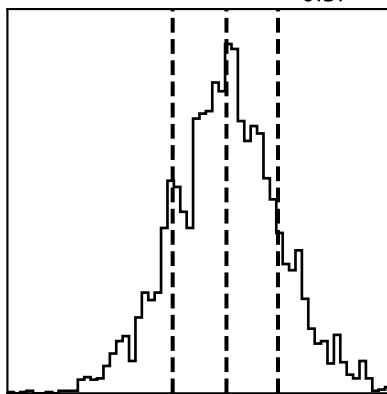
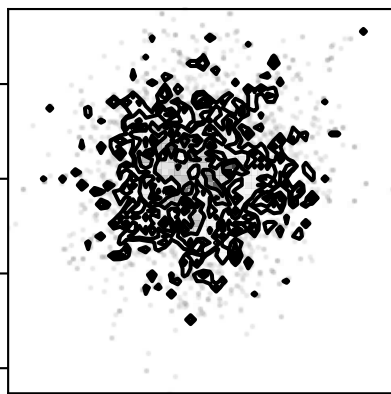




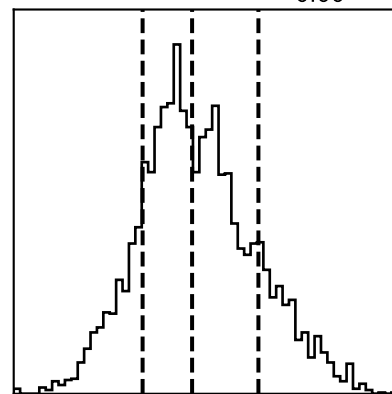
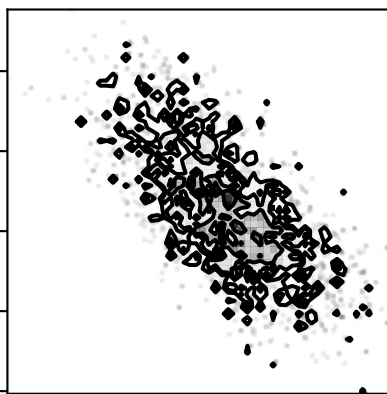
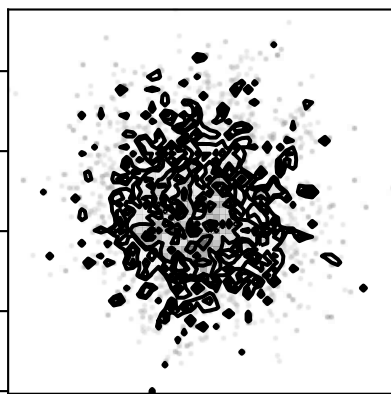
PA = $46.77^{+0.01}_{-0.01}$



vlsr = $7363.05^{+0.54}_{-0.57}$



mstar = $0.14^{+0.00}_{-0.00}$



46.750
46.765
46.780
46.795
46.810

PA

7361
7362
7363
7364

vlsr

0.1392
0.1398
0.1404
0.1410
0.1416

mstar

Name: J162730.2-242743

Region: ROph

File: /Users/calebpainter/Downloads/DECO/fits_files/ROph/J162730.2-242743_CO_230.538GHz.image.fits

Emission Line: CO

Channels: (70, 110, 140, 200)

X-pos: 246.875707

Y-pos: -24.462232

X-offset: -0.25

Y-offset: -0.435

Literature PA: 61.0

Eddy PA: 46.77

Literature Mass [M]: 0.5975

Eddy Mass [M]: 0.14

DECO Dict vsys [km/s]: 4.8

Eddy vlsr [m/s]: 7.36

Literature Inc: 87

Eddy Inc: --

Literature Distance [Mpc]: 139.0

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

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

Velocity Mask: None

Notes: Fit appears poor due to high inclination of disk