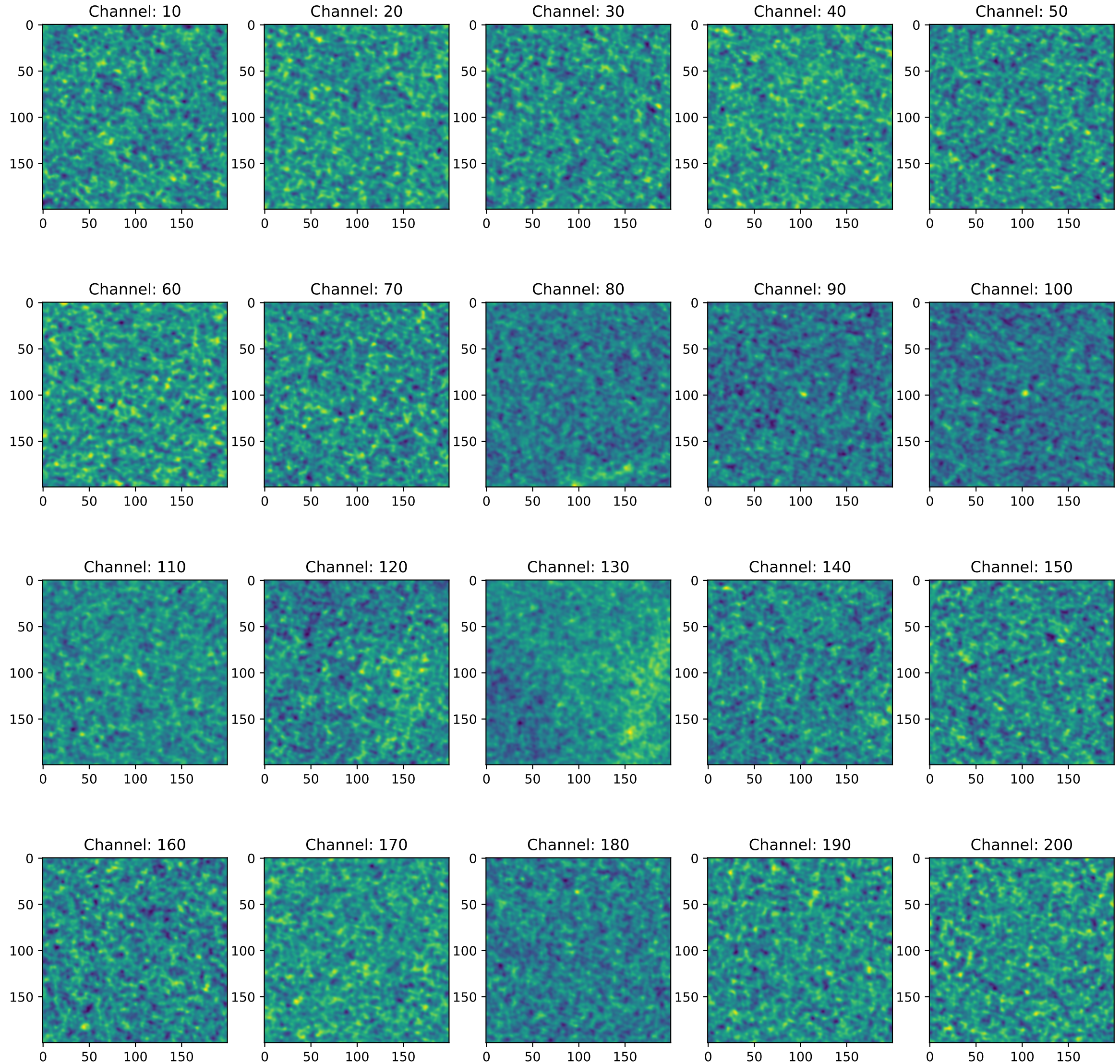
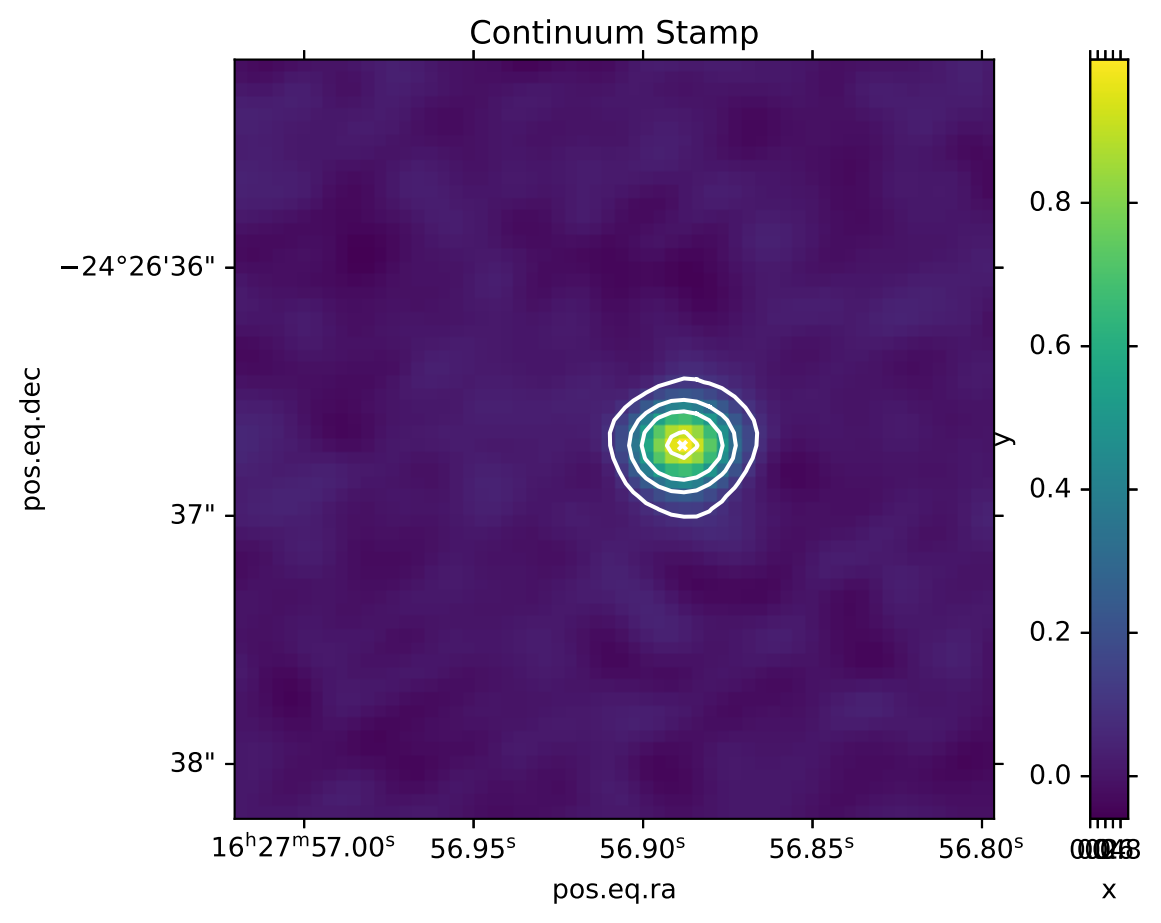
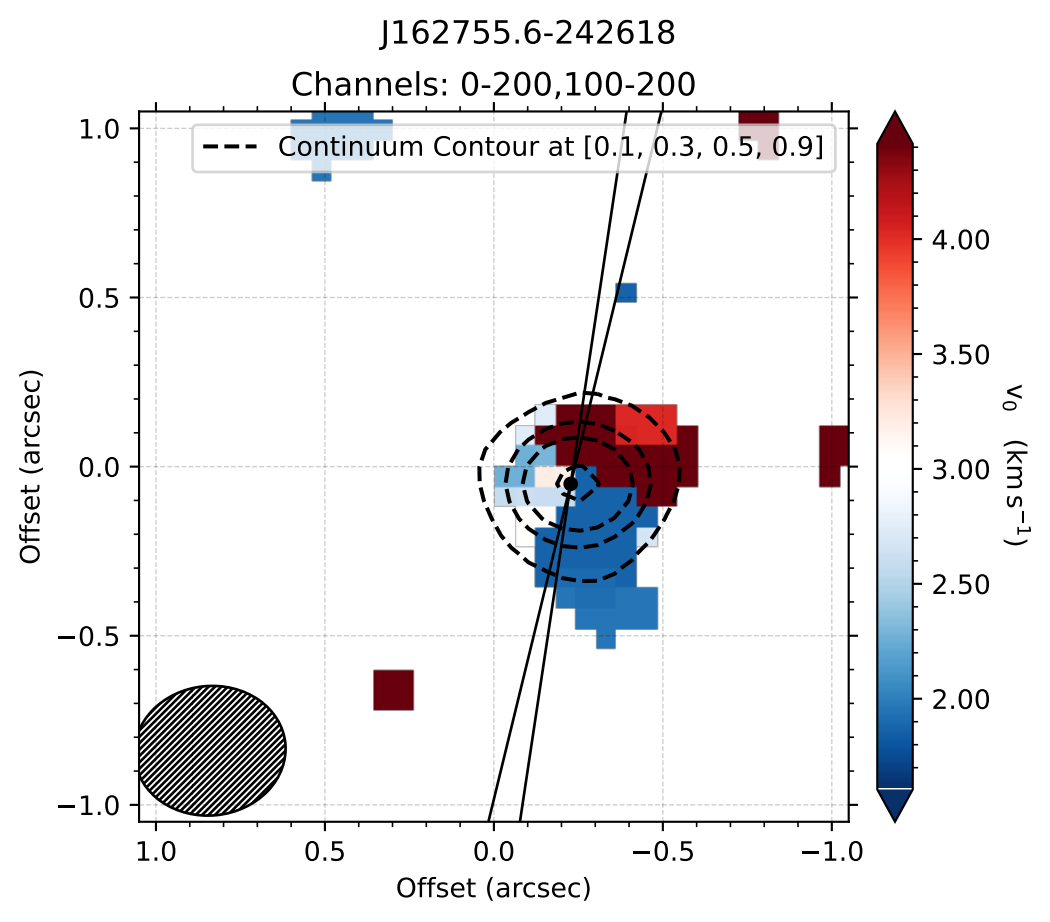
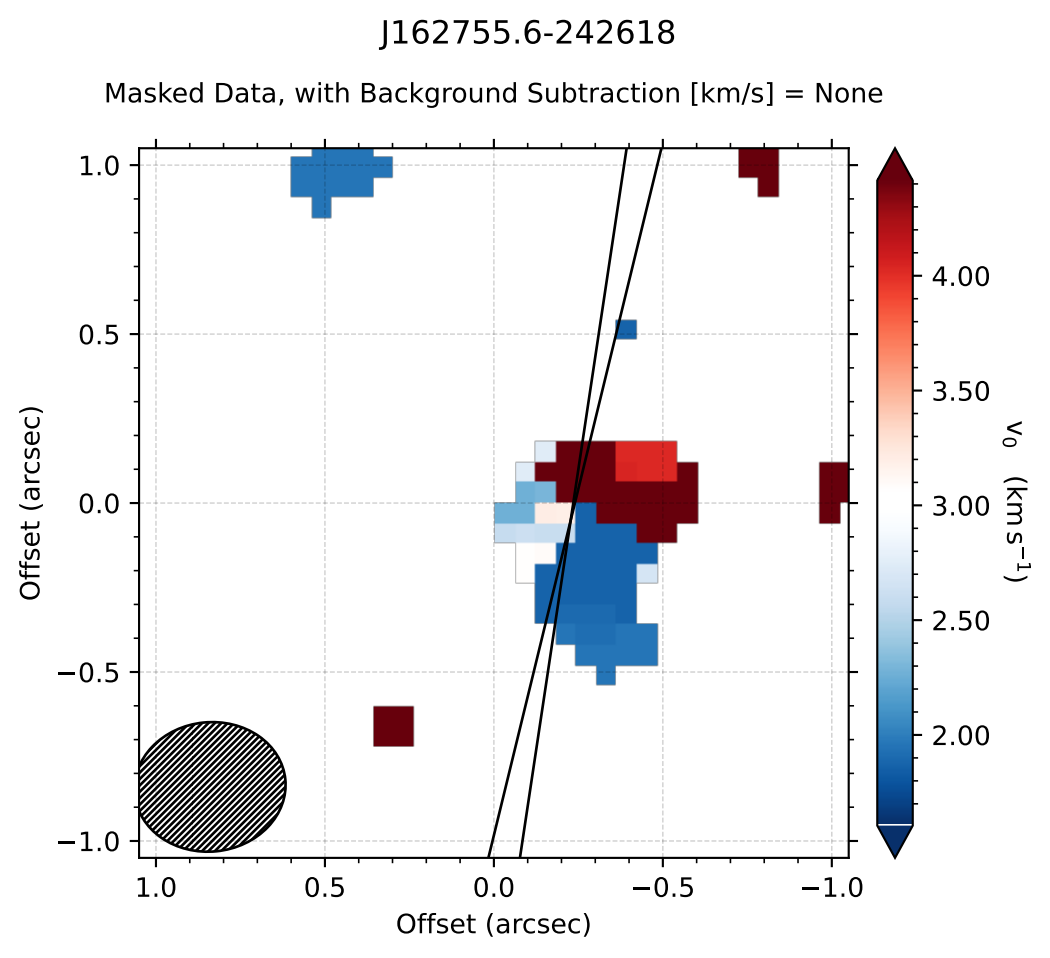
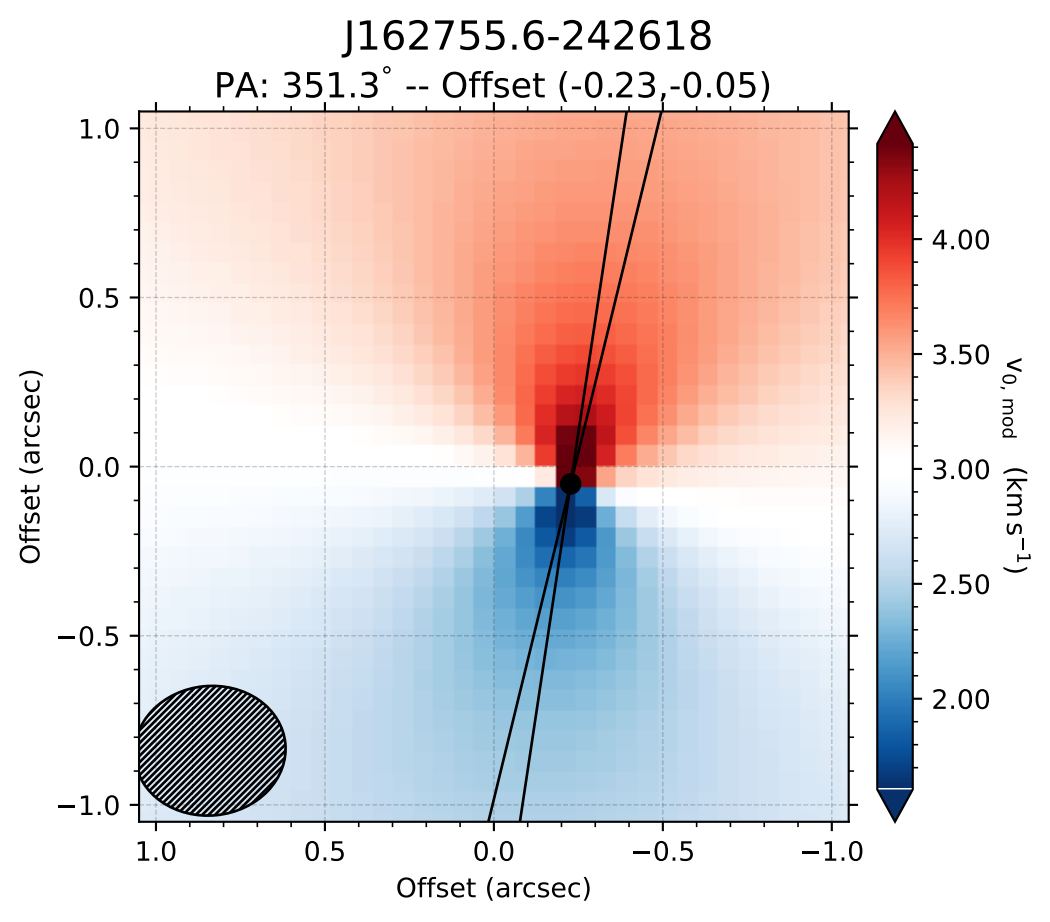
J162755.6-242618, CO

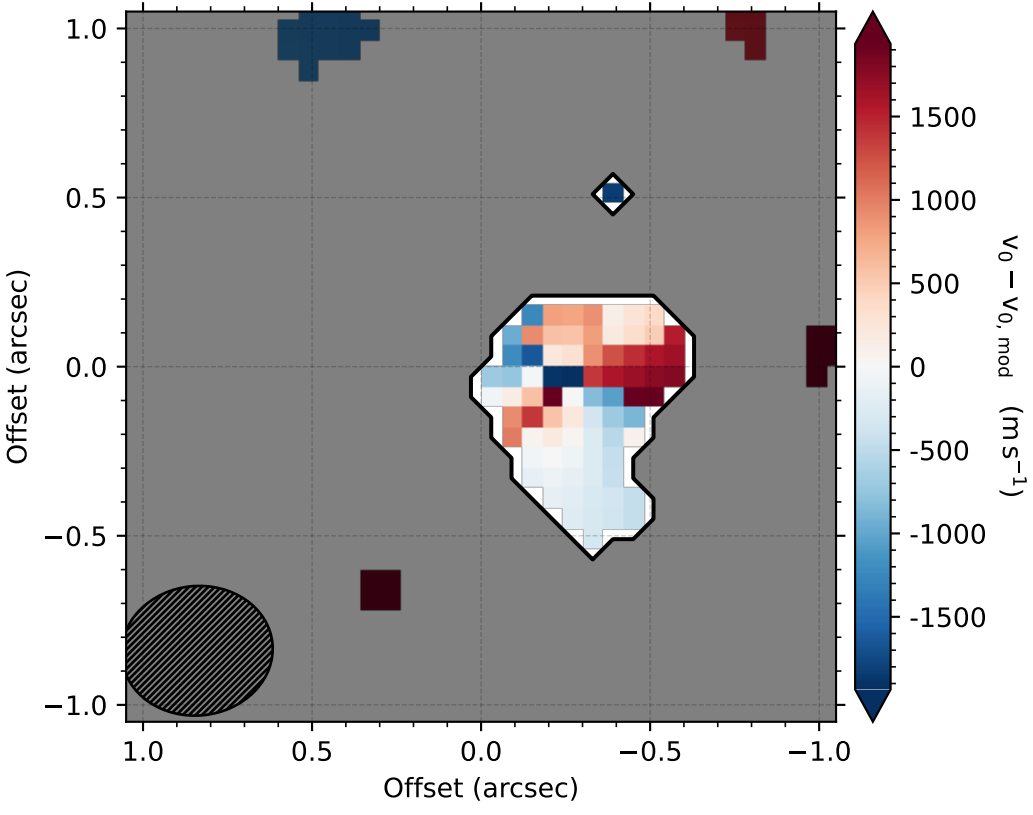


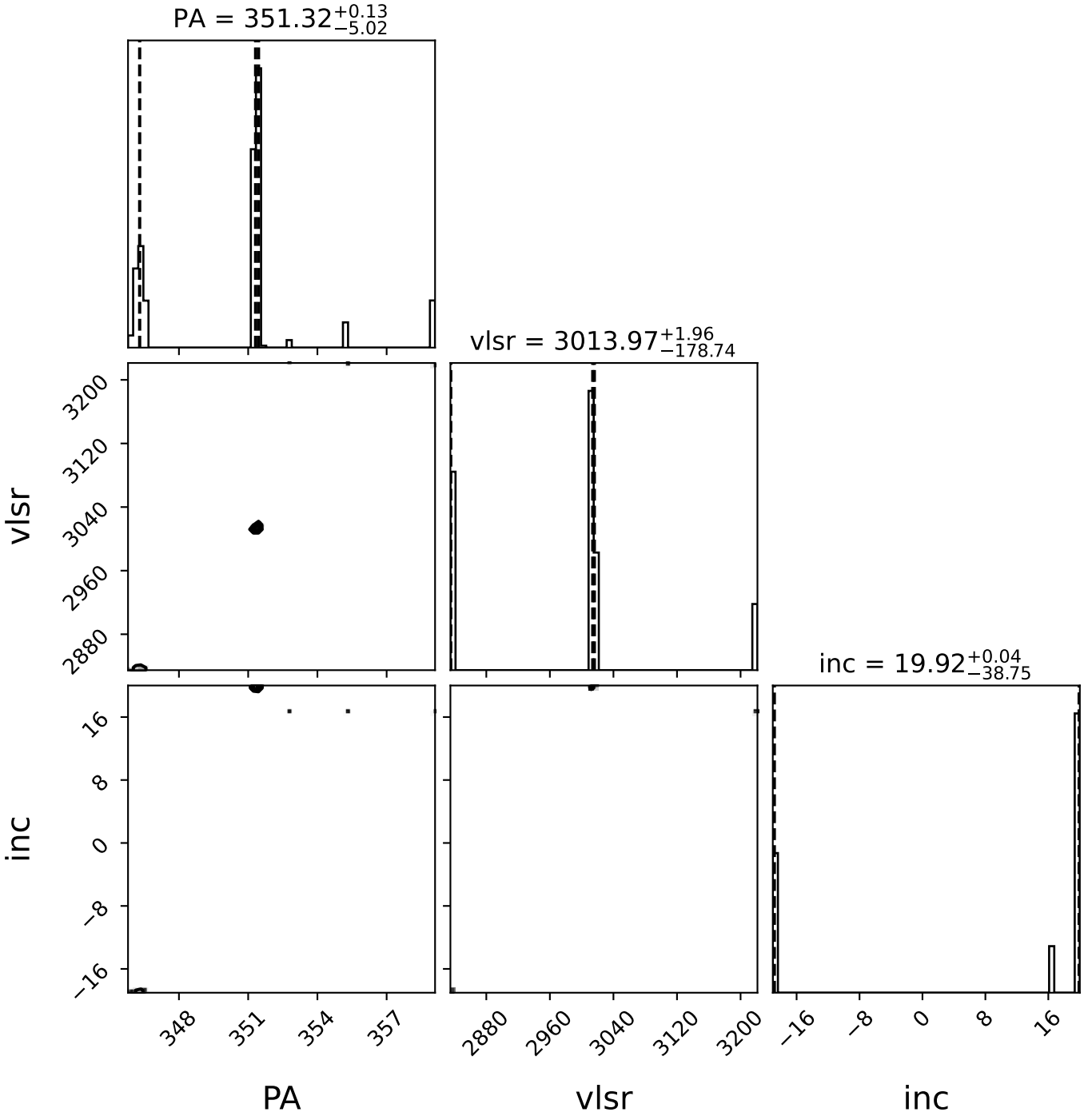

Continuum Stamp
−24°26'36"
37"
38"
pos.eq.dec
16h27m57.00s
56.95s
56.90s
56.85s
56.80s
pos.eq.ra
y
x
0.8
0.6
0.4
0.2
0.0


J162755.6-242618
Channels: 0-200,100-200
Continuum Contour at [0.1, 0.3, 0.5, 0.9]
Offset (arcsec)
Offset (arcsec)
1.0
0.5
0.0
−0.5
−1.0
4.00
3.50
3.00
2.50
2.00
v_0 (km s^{-1})


J162755.6-242618
Masked Data, with Background Subtraction [km/s] = None
Offset (arcsec)
Offset (arcsec)
1.0
0.5
0.0
−0.5
−1.0
4.00
3.50
3.00
2.50
2.00
v_0 (km s^{-1})


J162755.6-242618
PA: 351.3° -- Offset (-0.23,-0.05)
Offset (arcsec)
Offset (arcsec)
1.0
0.5
0.0
−0.5
−1.0
4.00
3.50
3.00
2.50
2.00
$v_{0,\,mod}$ (km s^{-1})


1.0
0.5
0.0
−0.5
−1.0
Offset (arcsec)
1.0
0.5
0.0
−0.5
−1.0
Offset (arcsec)
1500
1000
500
0
-500
-1000
-1500
$v_0 - v_{0,\,\mathrm{mod}}$ (m s^{-1})


PA = 351.32$^{+0.13}_{-5.02}$
vlsr = 3013.97$^{+1.96}_{-178.74}$
inc = 19.92$^{+0.04}_{-38.75}$
PA
vlsr
inc
348
351
354
357
2880
2960
3040
3120
3200
−16
−8
0
8
16

Name: J162755.6-242618

Region: ROph

File: /Users/calebpainter/Downloads/DECO/fits_files/ROph/J162755.6-242618_CO_230.538GHz.image.fits

Emmision Line: CO

Channels: (0, 200, 100, 200)

X-pos: 246.981533

Y-pos: -24.438517

X-offset: -0.23

Y-offset: -0.05

Literature PA: --

Eddy PA: 351.32

Literature Mass [M]: 0.368

Eddy Mass [M]: --

DECO Dict vsys [km/s]: 3.2

Eddy vlsr [m/s]: 3.01

Literature Inc: --

Eddy Inc: 19.92

Literature Distance [Mpc]: 131.65

Eddy rmin, rmax ["]: (0, 0.6)

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

Velocity Mask: None

Background Velocity Removal: None

Notes: MCMC FAILS, cloud hard to resolve