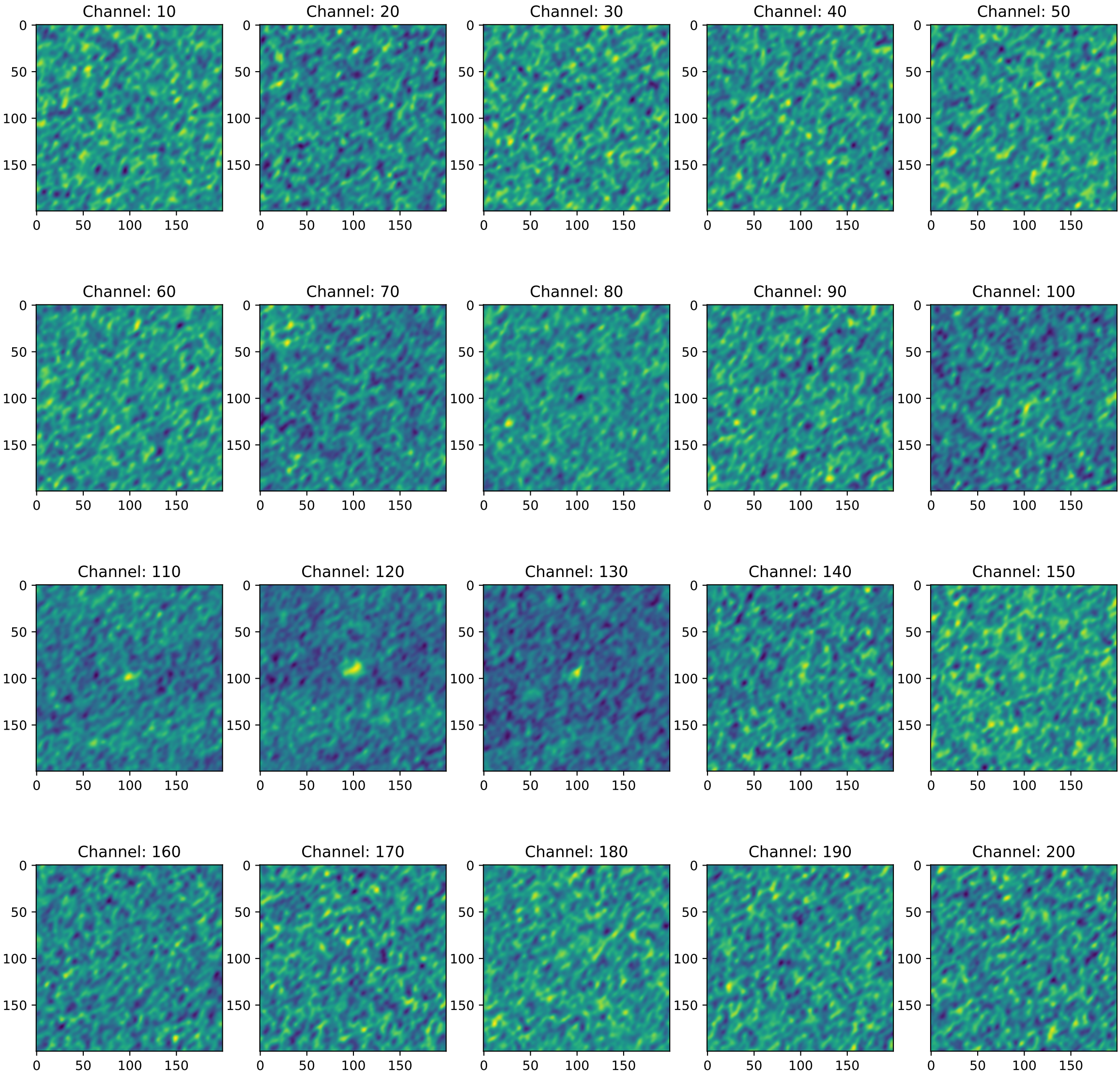
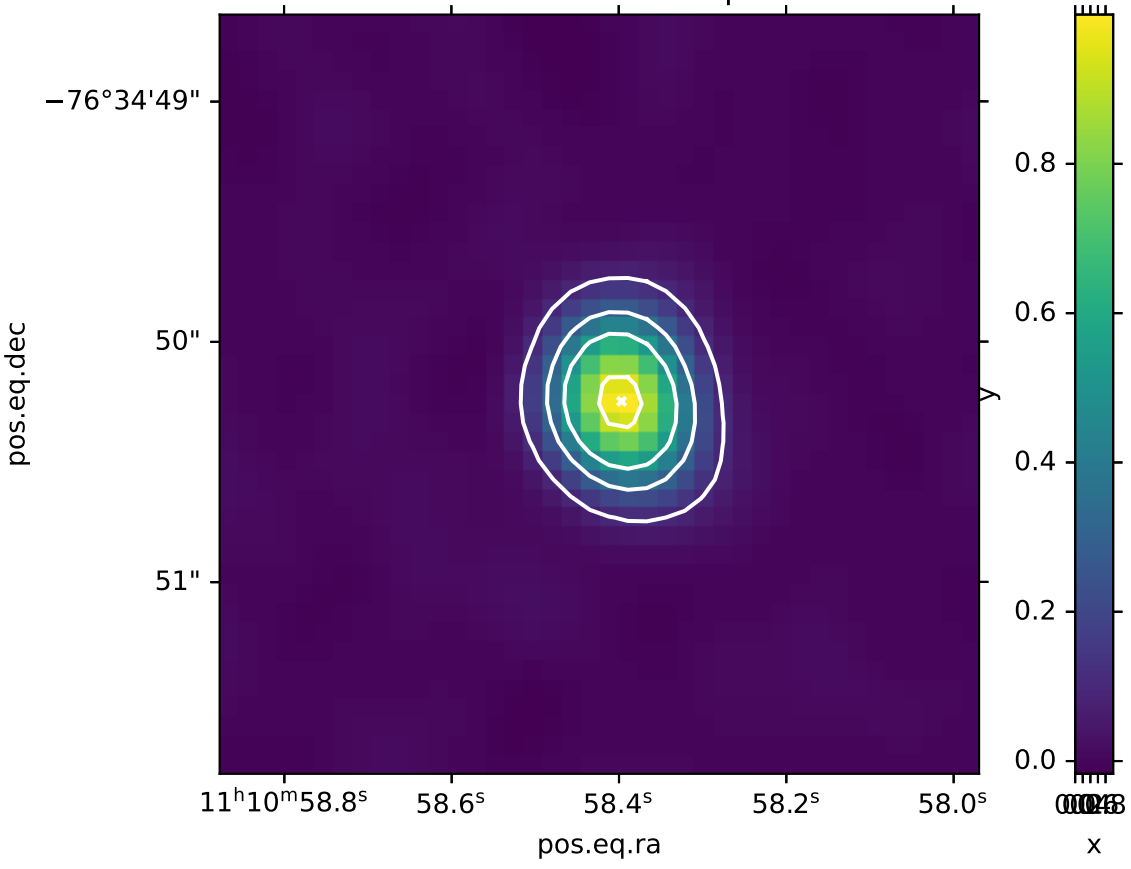
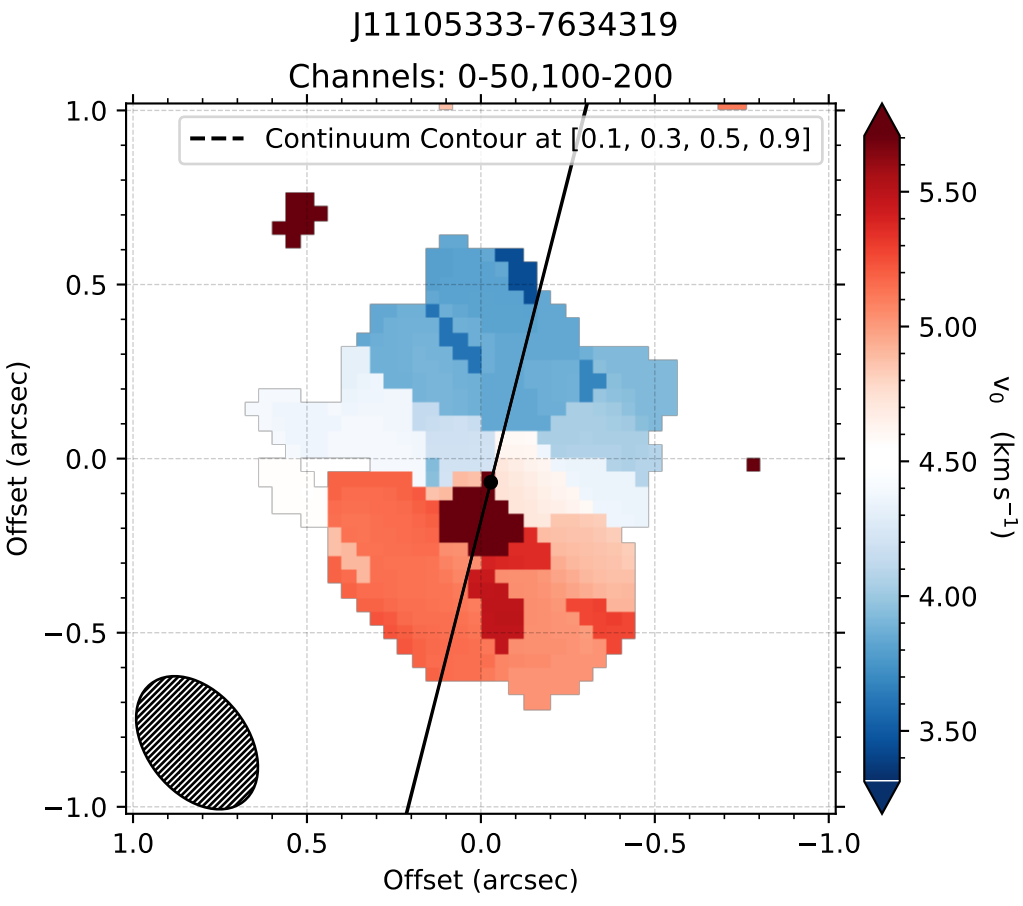
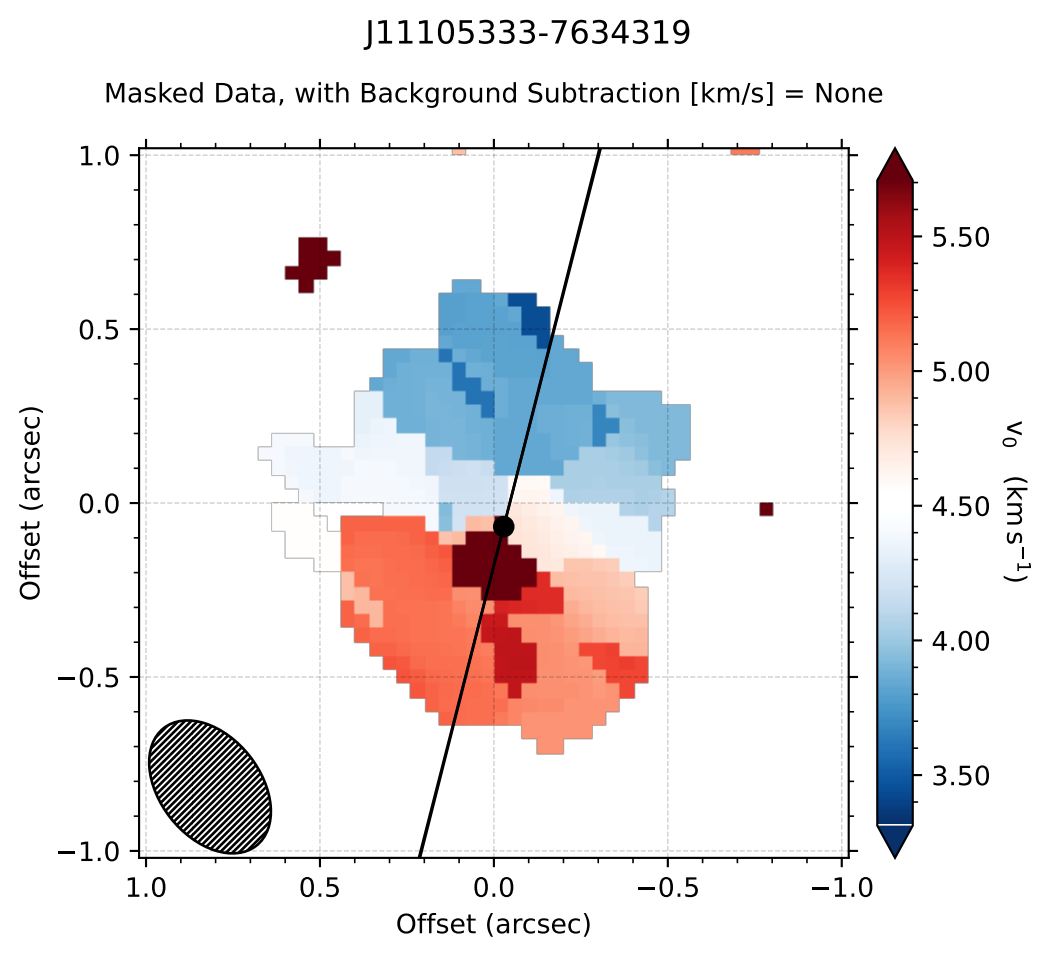
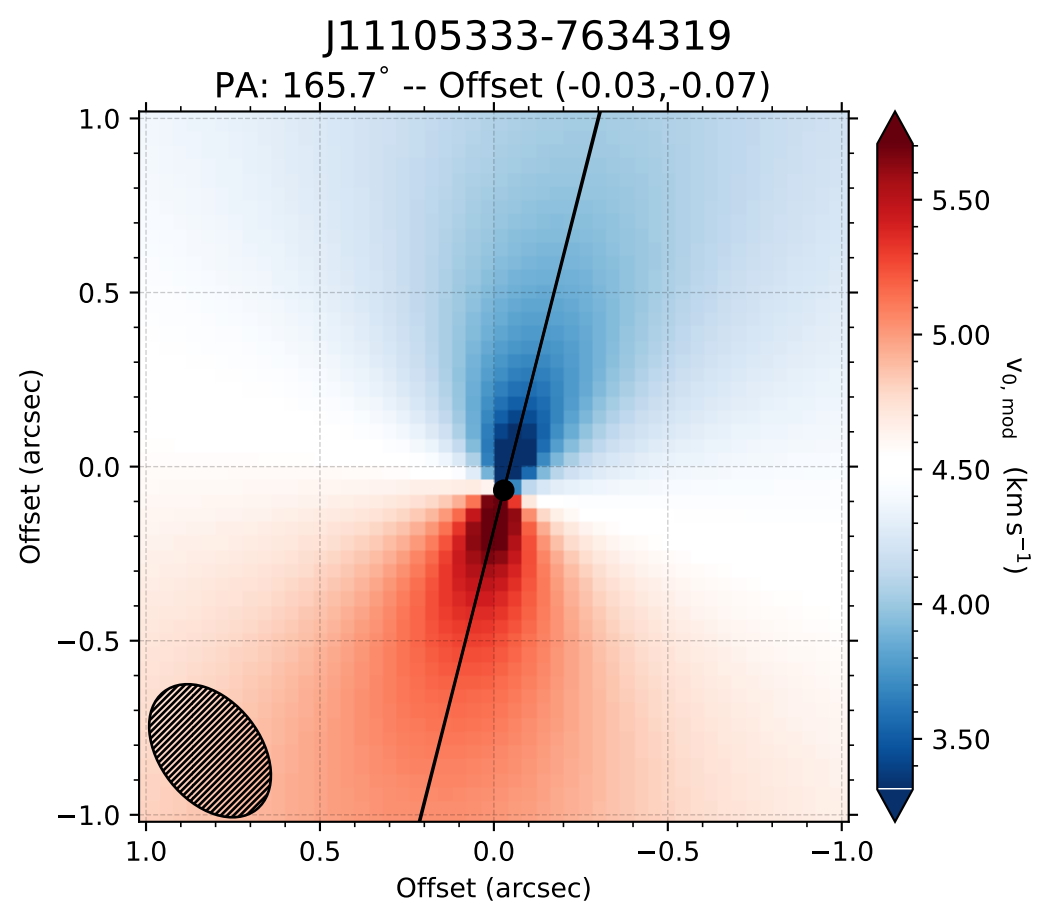
J11105333-7634319, CO

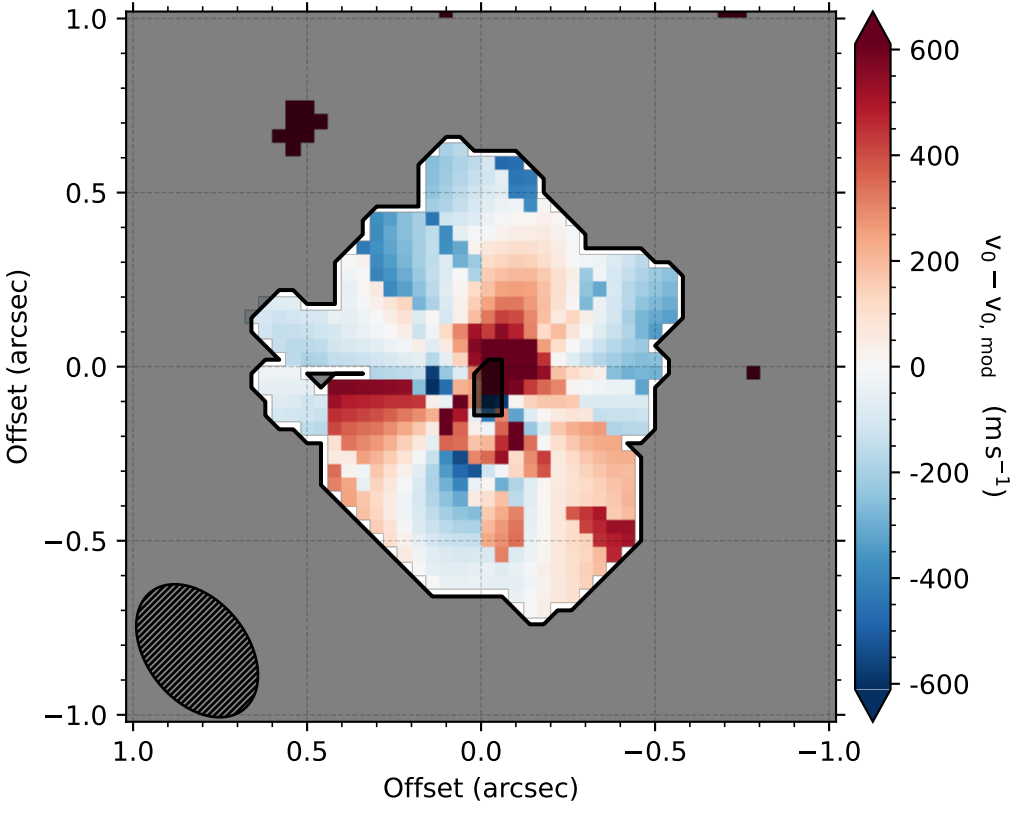


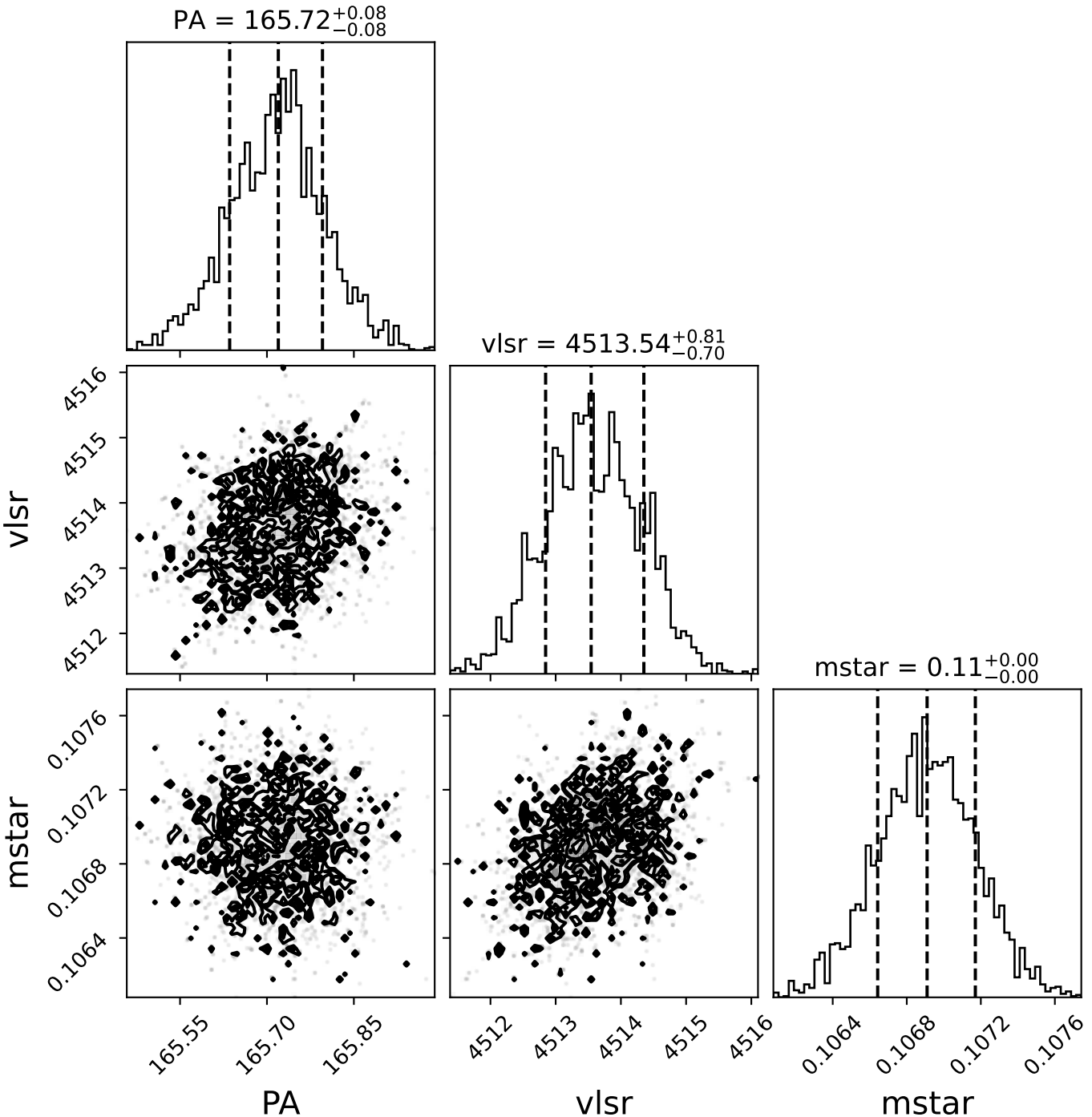

Continuum Stamp
−76°34'49"
50"
51"
pos.eq.dec
11h10m58.8s
58.6s
58.4s
58.2s
58.0s
pos.eq.ra
y
x
0.0
0.2
0.4
0.6
0.8


J11105333-7634319
Channels: 0-50,100-200
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
5.50
5.00
4.50
4.00
3.50
v_0 (km s^{-1})


J11105333-7634319
Masked Data, with Background Subtraction [km/s] = None
1.0
0.5
0.0
−0.5
−1.0
Offset (arcsec)
Offset (arcsec)
5.50
5.00
4.50
4.00
3.50
v_0 (km s^{-1})


J11105333-7634319
PA: 165.7° -- Offset (-0.03,-0.07)
Offset (arcsec)
Offset (arcsec)
1.0
0.5
0.0
−0.5
−1.0
5.50
5.00
4.50
4.00
3.50
$v_{0,\,mod}$ (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)
600
400
200
0
-200
-400
-600
$v_0 - v_{0,\,\mathrm{mod}}$ (m s^{-1})


PA = 165.72$^{+0.08}_{-0.08}$
vlsr = 4513.54$^{+0.81}_{-0.70}$
mstar = 0.11$^{+0.00}_{-0.00}$
PA
vlsr
mstar
165.55
165.70
165.85
4512
4513
4514
4515
4516
0.1064
0.1068
0.1072
0.1076

Name: J11105333-7634319

Region: ChamI

File: /Users/calebpainter/Downloads/DECO/fits_files/ChamI/J11105333-7634319_CO_230.538GHz.image.fits

Emmision Line: CO

Channels: (0, 50, 100, 200)

X-pos: 167.72162

Y-pos: -76.575578

X-offset: -0.03

Y-offset: -0.07

Literature PA: 24.56

Eddy PA: 165.72

Literature Mass [M]: 0.291

Eddy Mass [M]: 0.11

DECO Dict vsys [km/s]: 3.5

Eddy vlsr [m/s]: 4.51

Literature Inc: 46.76

Eddy Inc: --

Literature Distance [Mpc]: 193.23

Eddy rmin, rmax ["]: (0.1, 1)

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

Velocity Mask: None

Background Velocity Removal: None

Notes: MCMC GOOD