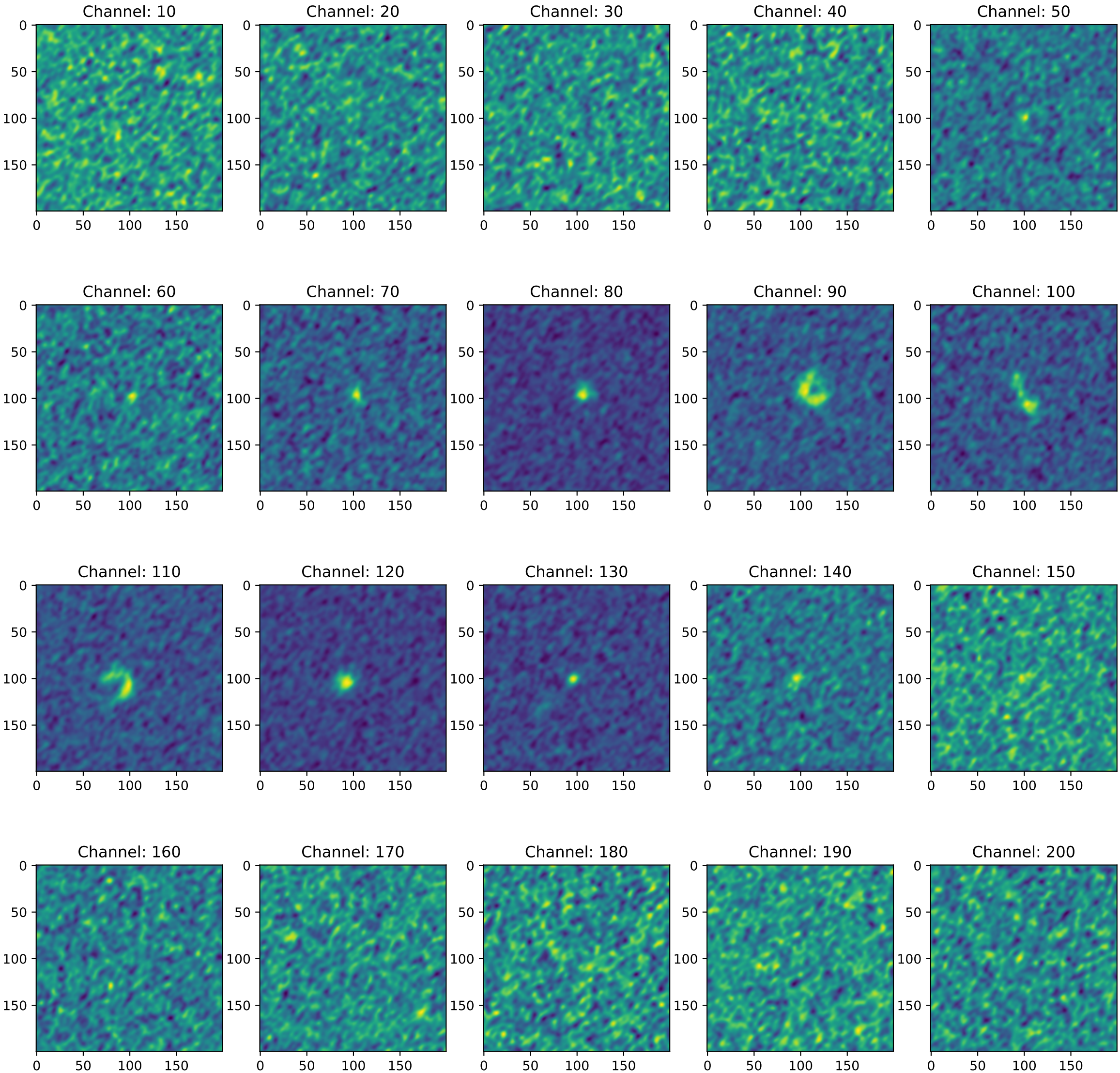
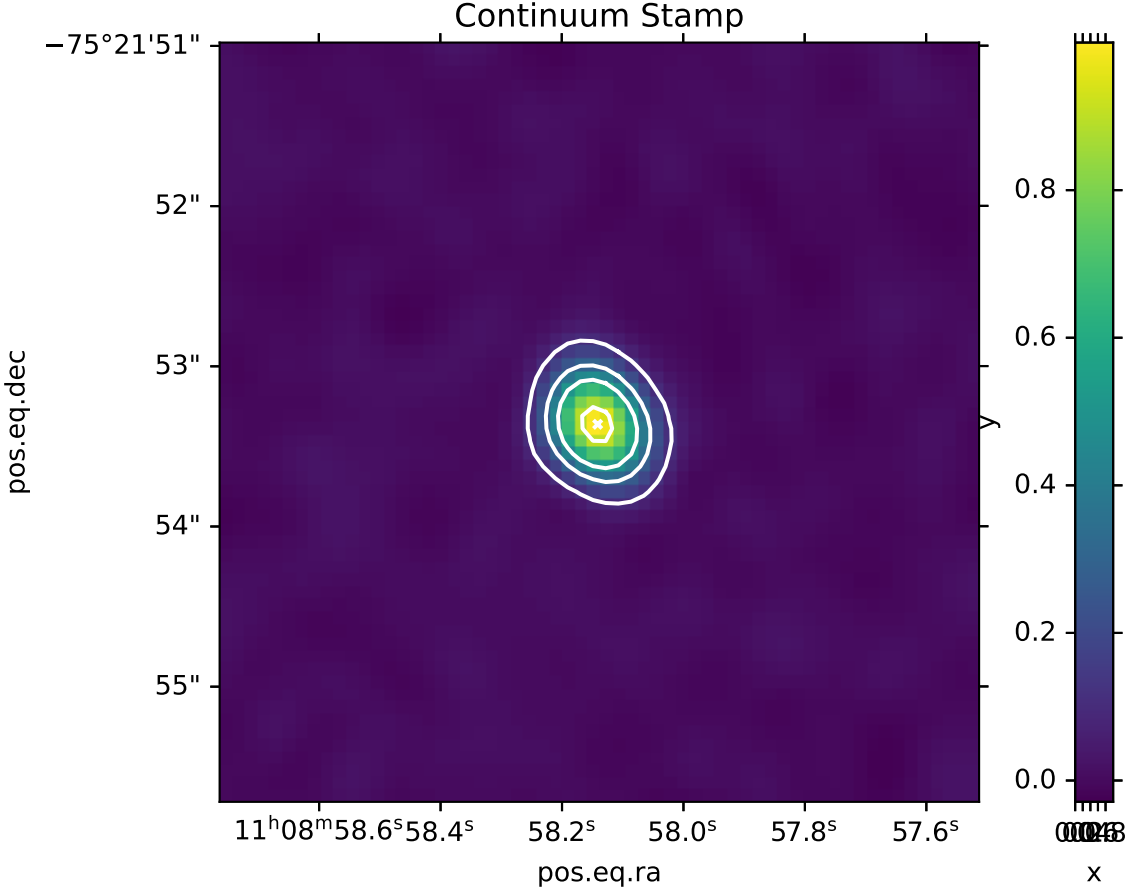
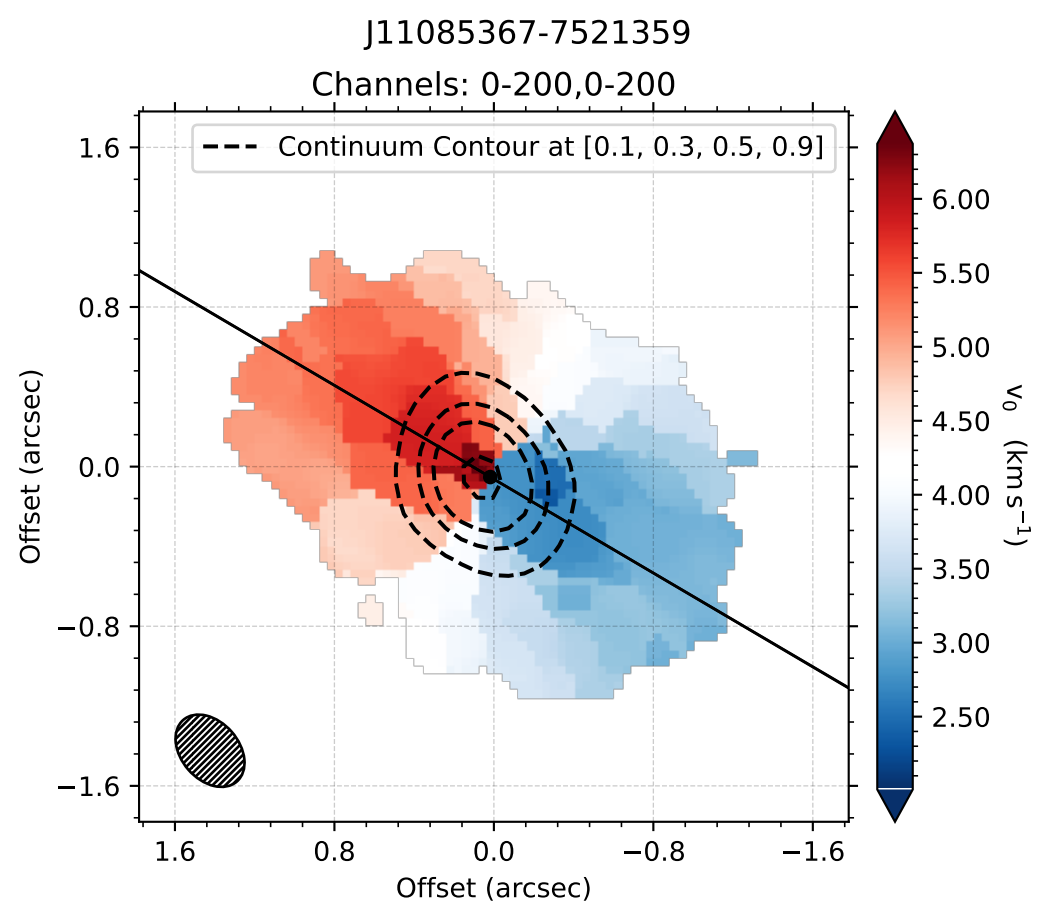
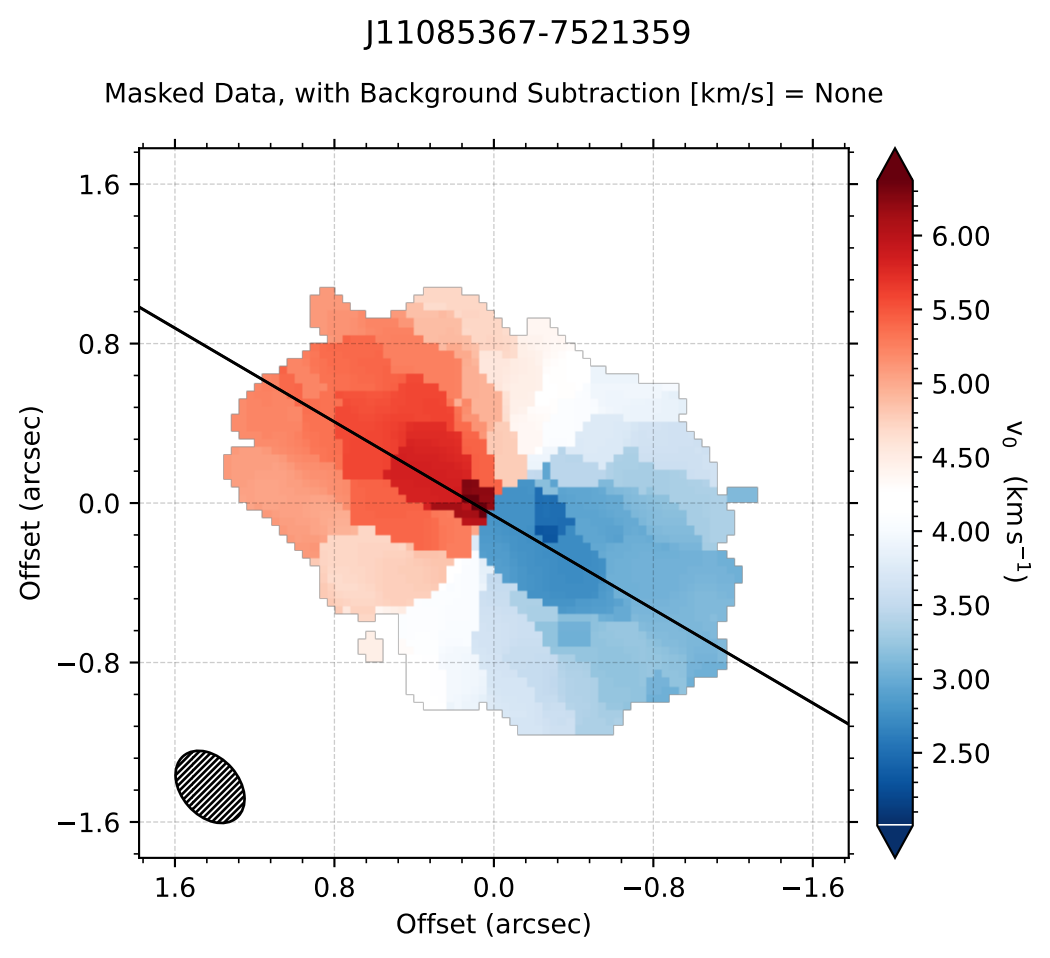
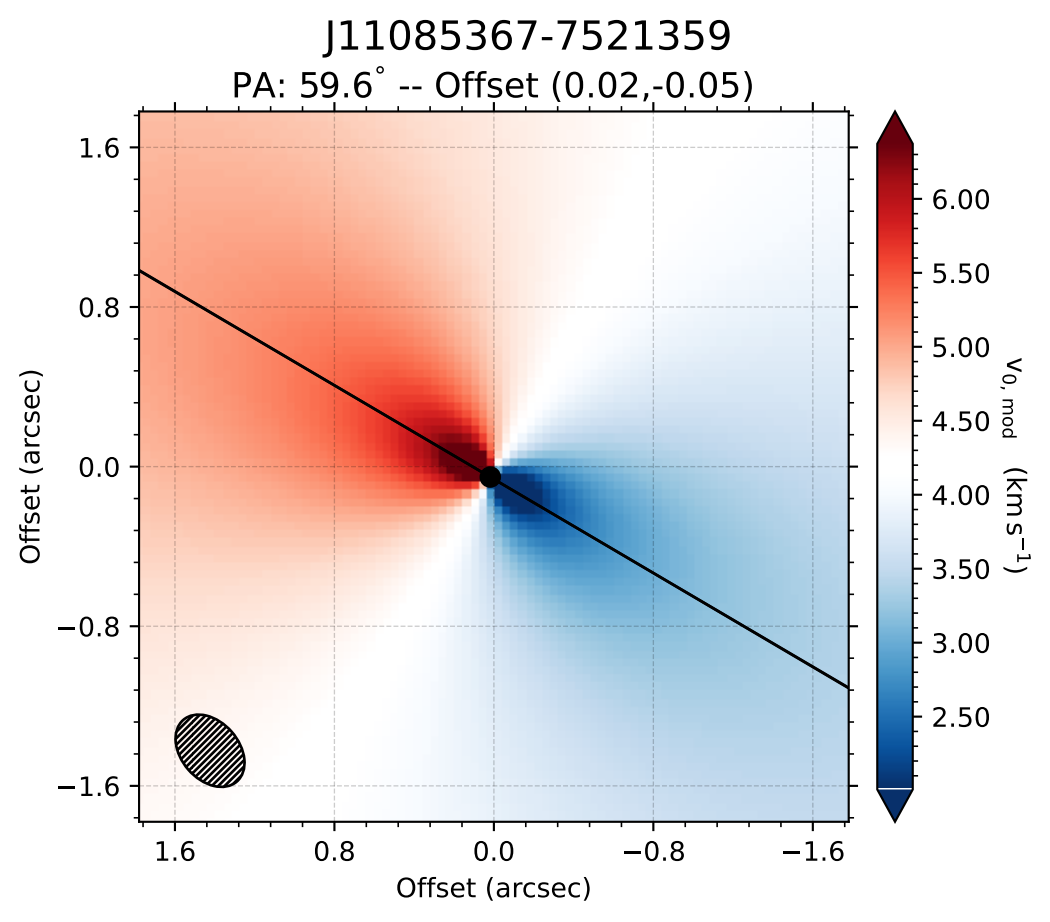
J11085367-7521359, CO

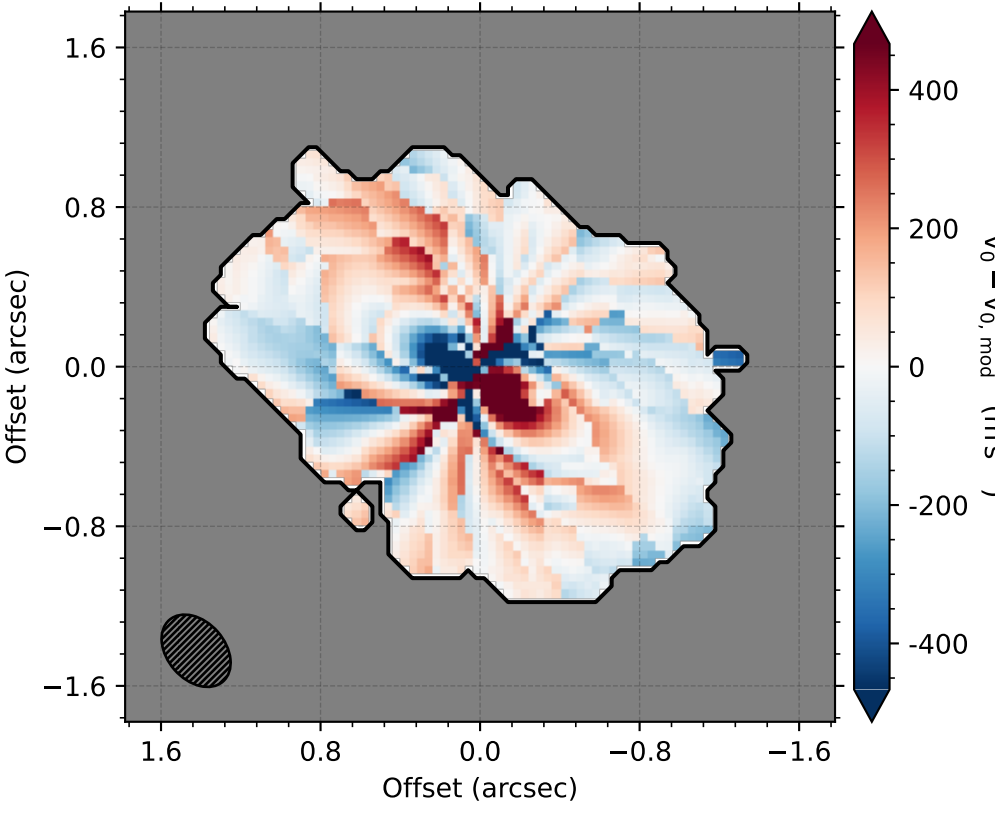


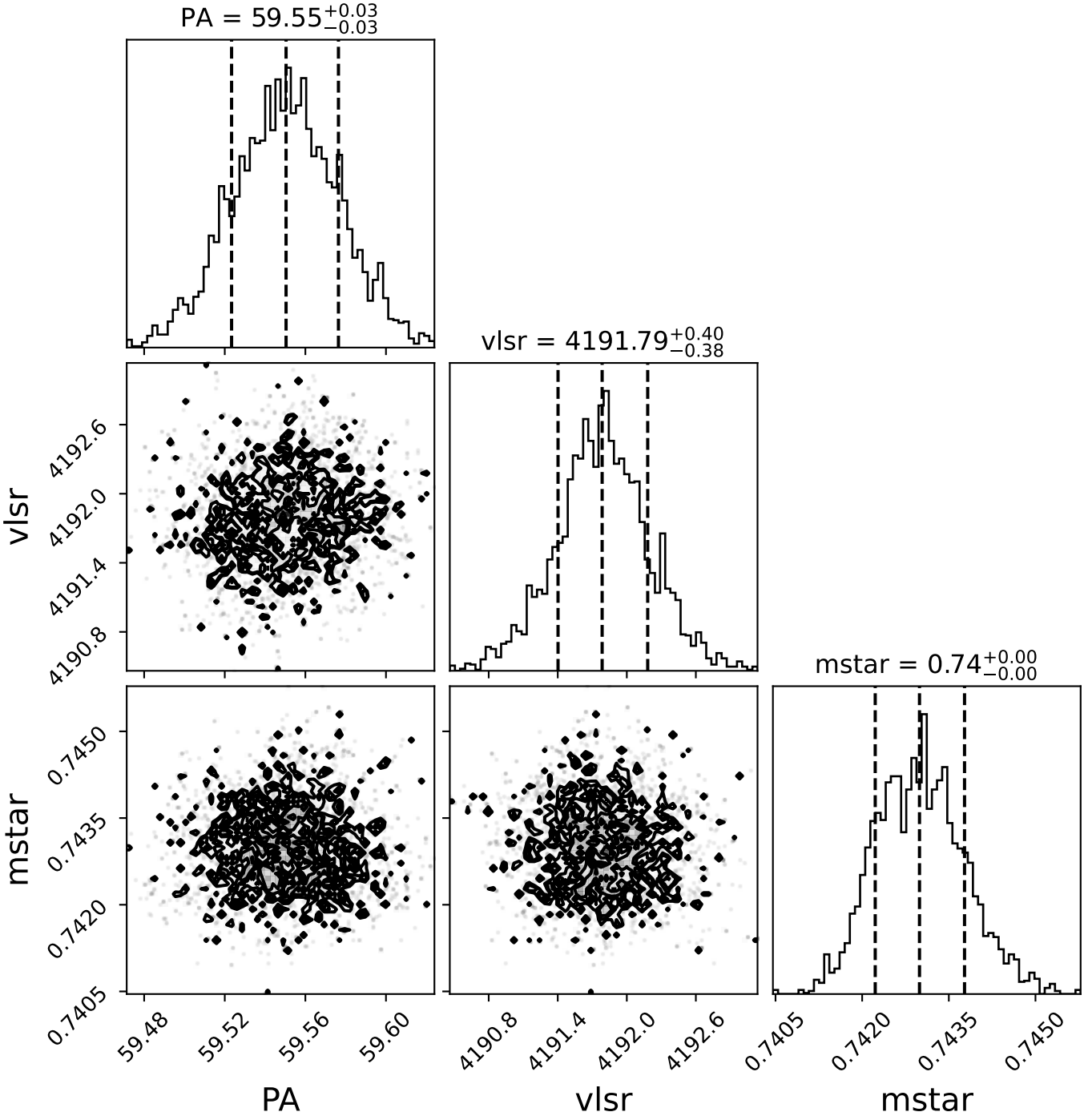

Continuum Stamp
−75°21'51"
52"
53"
54"
55"
pos.eq.dec
11h08m58.6s58.4s
58.2s
58.0s
57.8s
57.6s
pos.eq.ra
y
0.8
0.6
0.4
0.2
0.0
x


J11085367-7521359
Channels: 0-200,0-200
Continuum Contour at [0.1, 0.3, 0.5, 0.9]
1.6
0.8
0.0
−0.8
−1.6
Offset (arcsec)
Offset (arcsec)
6.00
5.50
5.00
4.50
4.00
3.50
3.00
2.50
v_0 (km s^{-1})


J11085367-7521359
Masked Data, with Background Subtraction [km/s] = None
1.6
0.8
0.0
−0.8
−1.6
Offset (arcsec)
Offset (arcsec)
6.00
5.50
5.00
4.50
4.00
3.50
3.00
2.50
v_0 (km s^{-1})


J11085367-7521359
PA: 59.6° -- Offset (0.02,-0.05)
1.6
0.8
0.0
−0.8
−1.6
Offset (arcsec)
1.6
0.8
0.0
−0.8
−1.6
Offset (arcsec)
6.00
5.50
5.00
4.50
4.00
3.50
3.00
2.50
$v_{0,\,mod}$ (km s^{-1})


1.6
0.8
0.0
−0.8
−1.6
Offset (arcsec)
1.6
0.8
0.0
−0.8
−1.6
Offset (arcsec)
400
200
0
-200
-400
$v_0 - v_{0,\mathrm{mod}}$ (m s^{-1})


PA = 59.55$^{+0.03}_{-0.03}$
vlsr = 4191.79$^{+0.40}_{-0.38}$
mstar = 0.74$^{+0.00}_{-0.00}$
PA
vlsr
mstar
59.48
59.52
59.56
59.60
4190.8
4191.4
4192.0
4192.6
0.7405
0.7420
0.7435
0.7450

Name: J11085367-7521359

Region: ChamI

File: /Users/calebpainter/Downloads/DECO/fits_files/ChamI/J11085367-7521359_CO_230.538GHz.image.fits

Emmision Line: CO

Channels: (0, 200, 0, 200)

X-pos: 167.223106

Y-pos: -75.359996

X-offset: 0.02

Y-offset: -0.05

Literature PA: 131.42

Eddy PA: 59.55

Literature Mass [M]: 0.497

Eddy Mass [M]: 0.74

DECO Dict vsys [km/s]: 4.2

Eddy vlsr [m/s]: 4.19

Literature Inc: 37.83

Eddy Inc: --

Literature Distance [Mpc]: 190.51

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

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

Velocity Mask: None

Background Velocity Removal: None

Notes: MCMC GOOD