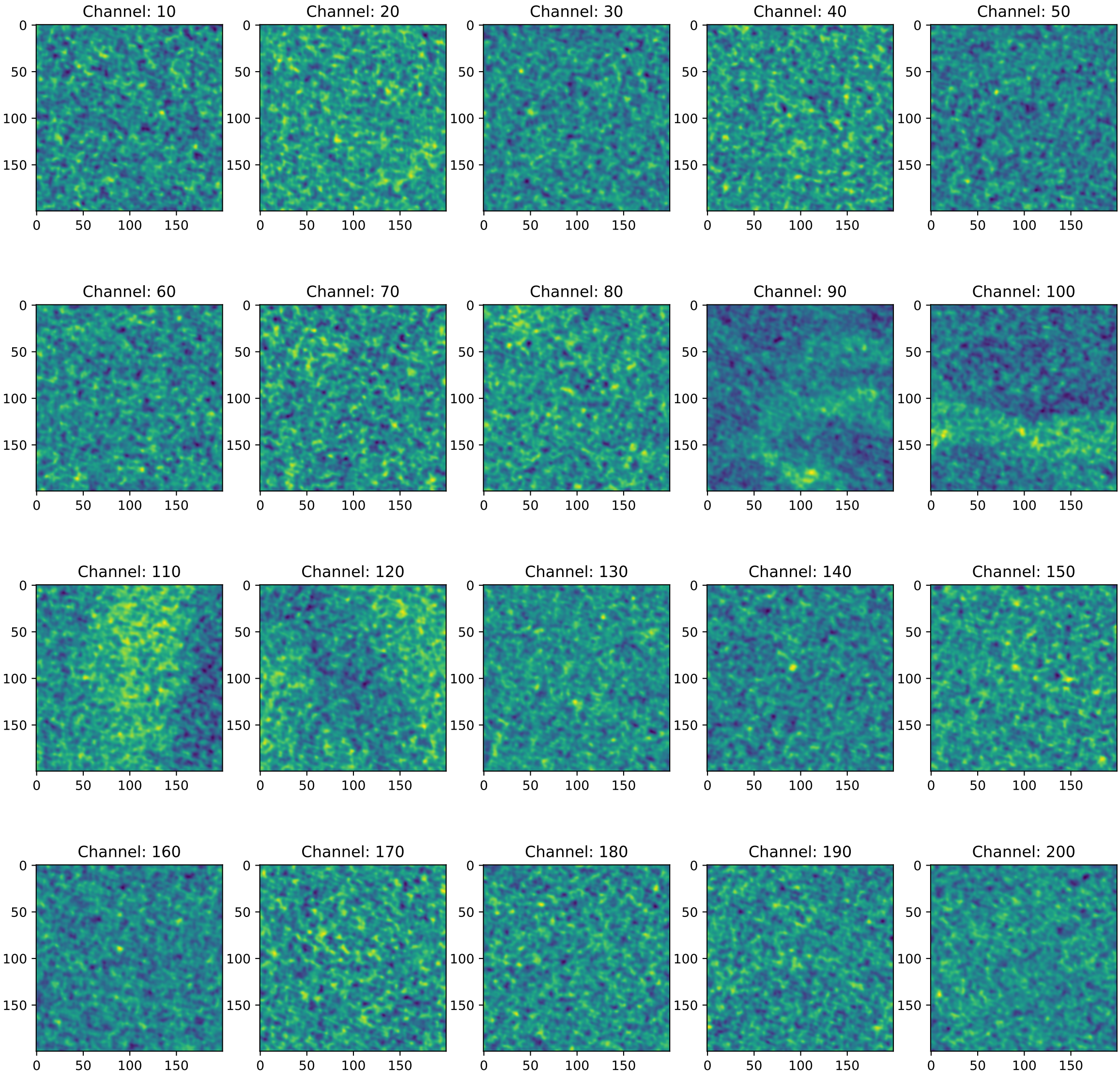
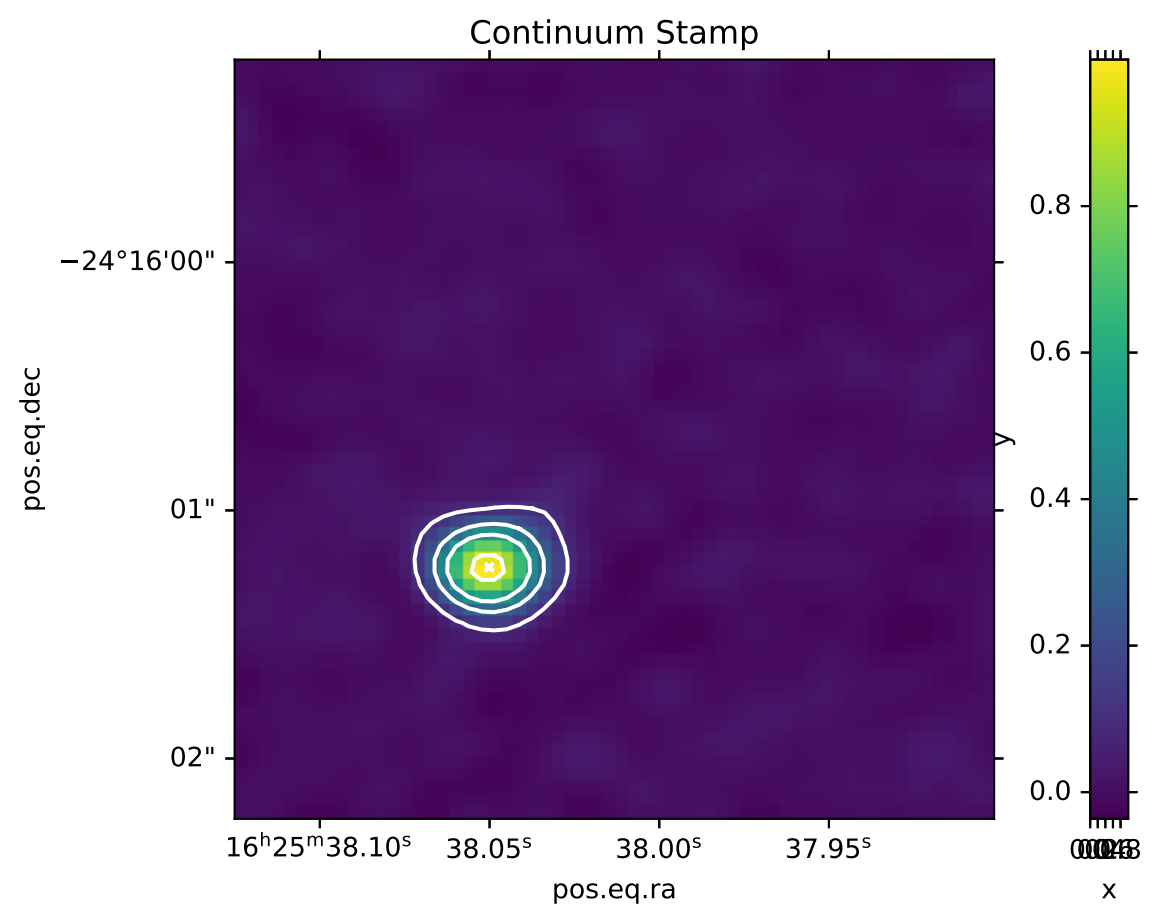
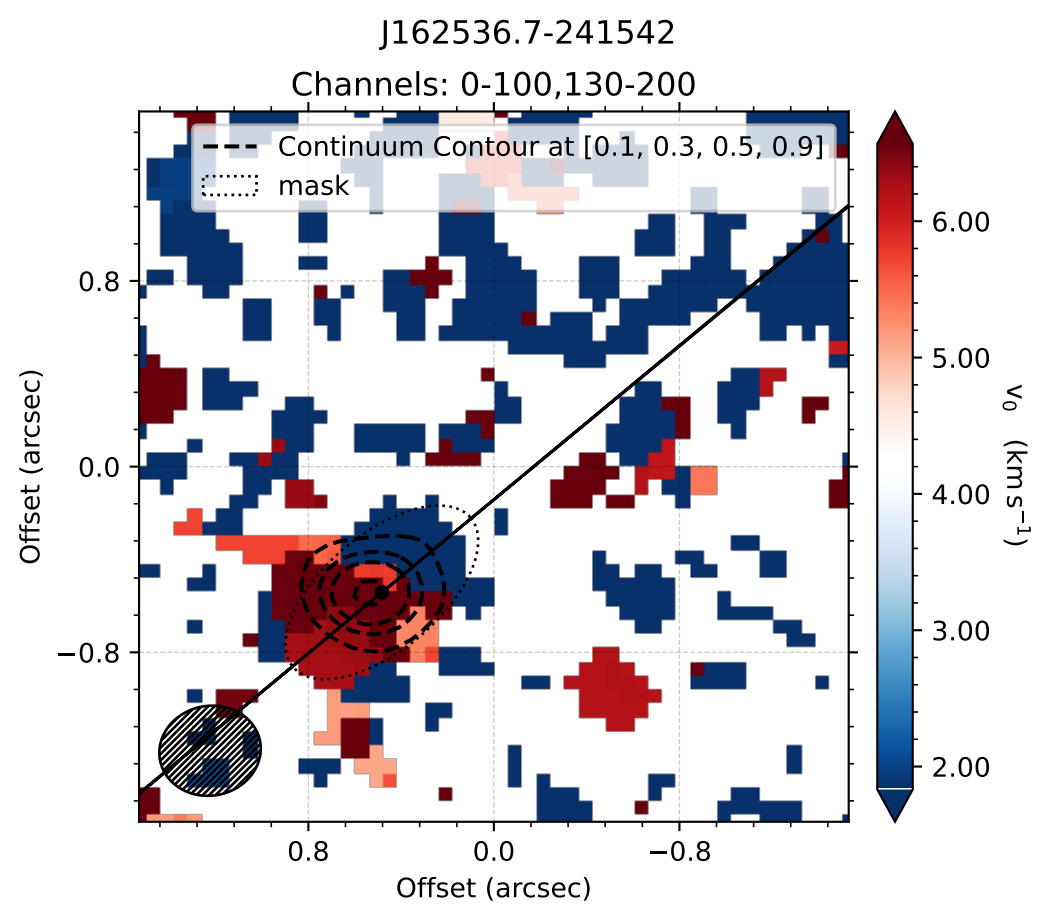
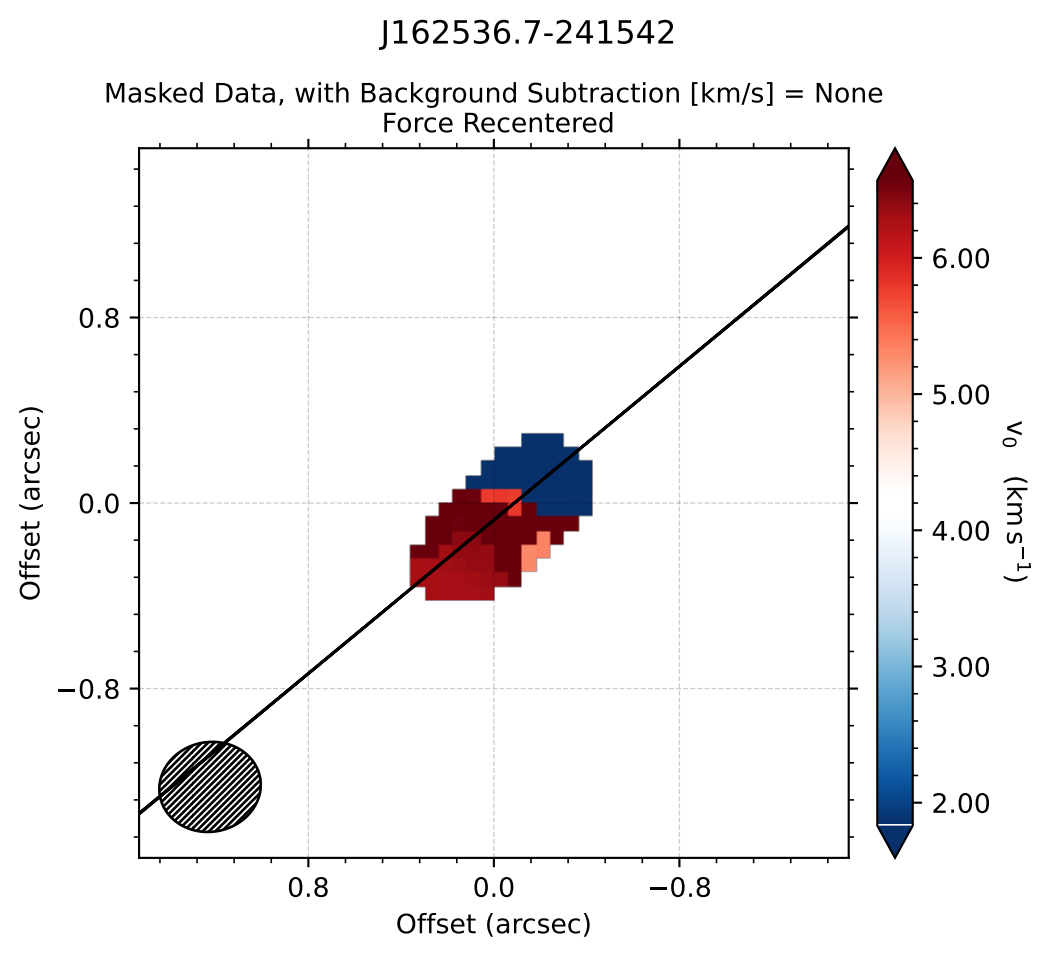
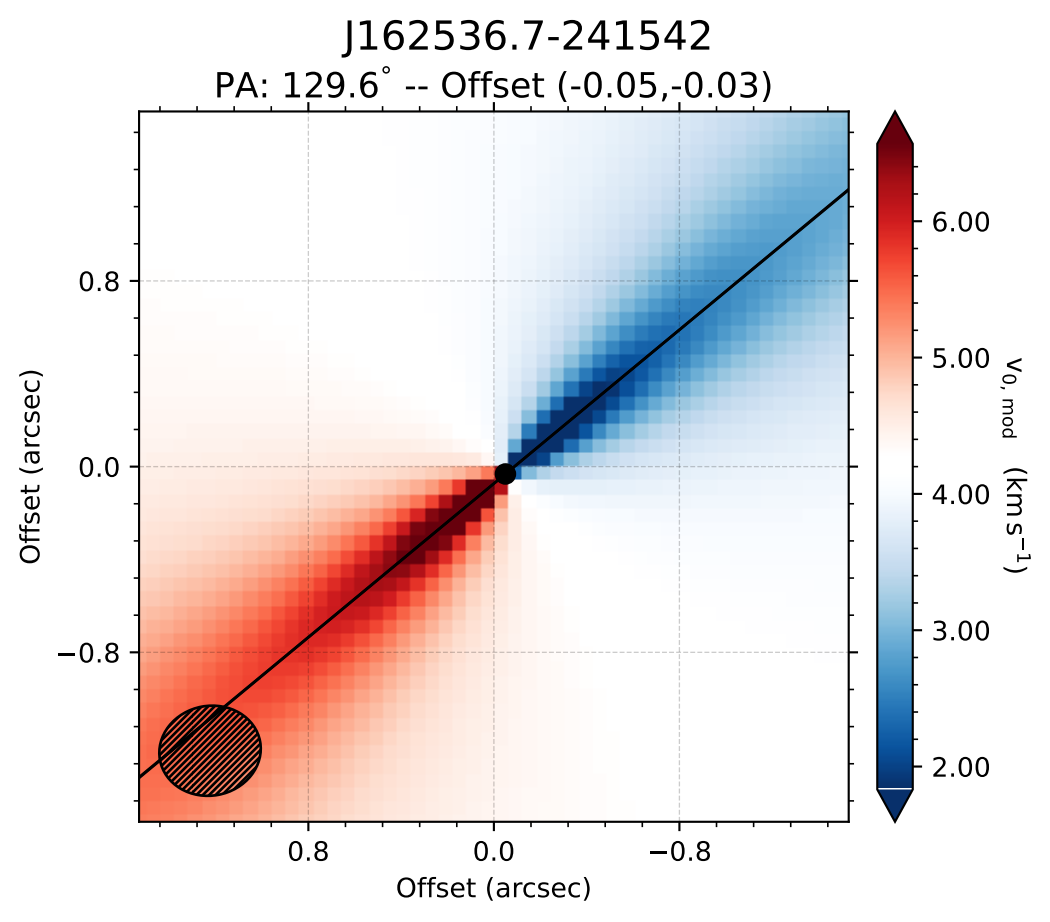
J162536.7-241542, CO

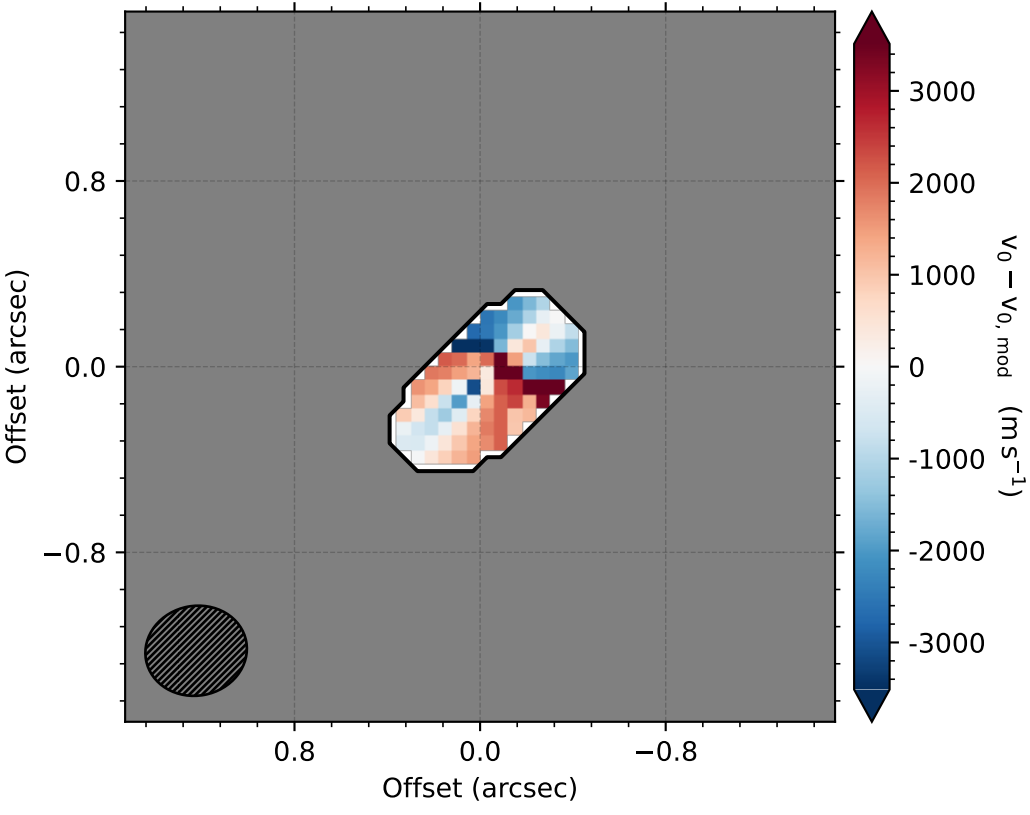


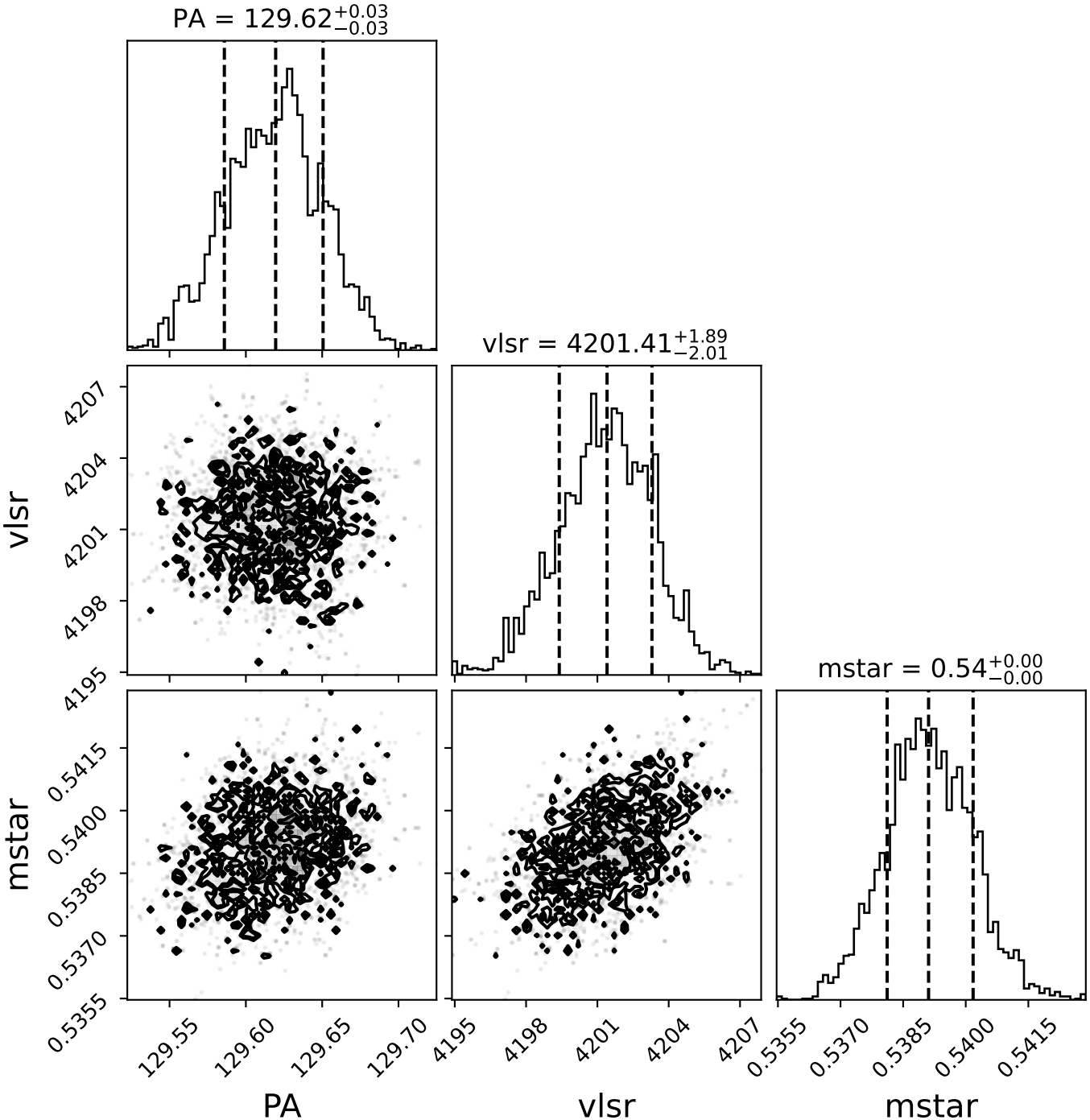

Continuum Stamp
−24°16'00"
01"
02"
pos.eq.dec
16h25m38.10s
38.05s
38.00s
37.95s
pos.eq.ra
y
x
0.8
0.6
0.4
0.2
0.0


J162536.7-241542
Channels: 0-100,130-200
Continuum Contour at [0.1, 0.3, 0.5, 0.9]
mask
Offset (arcsec)
Offset (arcsec)
0.8
0.0
−0.8
6.00
5.00
4.00
3.00
2.00
v_0 (km s^{-1})


J162536.7-241542
Masked Data, with Background Subtraction [km/s] = None
Force Recentered
0.8
0.0
−0.8
Offset (arcsec)
0.8
0.0
−0.8
Offset (arcsec)
6.00
5.00
4.00
3.00
2.00
v_0 (km s^{-1})


J162536.7-241542
PA: 129.6° -- Offset (-0.05,-0.03)
0.8
0.0
−0.8
Offset (arcsec)
0.8
0.0
−0.8
Offset (arcsec)
6.00
5.00
4.00
3.00
2.00
$v_{0,\,mod}$ (km s^{-1})


0.8
0.0
−0.8
Offset (arcsec)
0.8
0.0
−0.8
Offset (arcsec)
3000
2000
1000
0
-1000
-2000
-3000
$v_0 - v_{0,\,\mathrm{mod}}$ (m s^{-1})


PA = 129.62$^{+0.03}_{-0.03}$
vlsr = 4201.41$^{+1.89}_{-2.01}$
mstar = 0.54$^{+0.00}_{-0.00}$
PA
vlsr
mstar
129.55
129.60
129.65
129.70
4195
4198
4201
4204
4207
0.5355
0.5370
0.5385
0.5400
0.5415

Name: J162536.7-241542

Region: ROph

File: /Users/calebpainter/Downloads/DECO/fits_files/ROph/J162536.7-241542_CO_230.538GHz.image.fits

Emmision Line: CO

Channels: (0, 100, 130, 200)

X-pos: 246.403027

Y-pos: -24.261993

X-offset: 0.48

Y-offset: -0.54

Literature PA: 14.2

Eddy PA: 129.62

Literature Mass [M]: 0.84

Eddy Mass [M]: 0.54

DECO Dict vsys [km/s]: 2.2

Eddy vlsr [m/s]: 4.2

Literature Inc: 74.39

Eddy Inc: --

Literature Distance [Mpc]: 139.0

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

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

Velocity Mask: [0.25, 0.5, 230]

Background Velocity Removal: None

Notes: MCMC GOOD, center had to be reset to converge