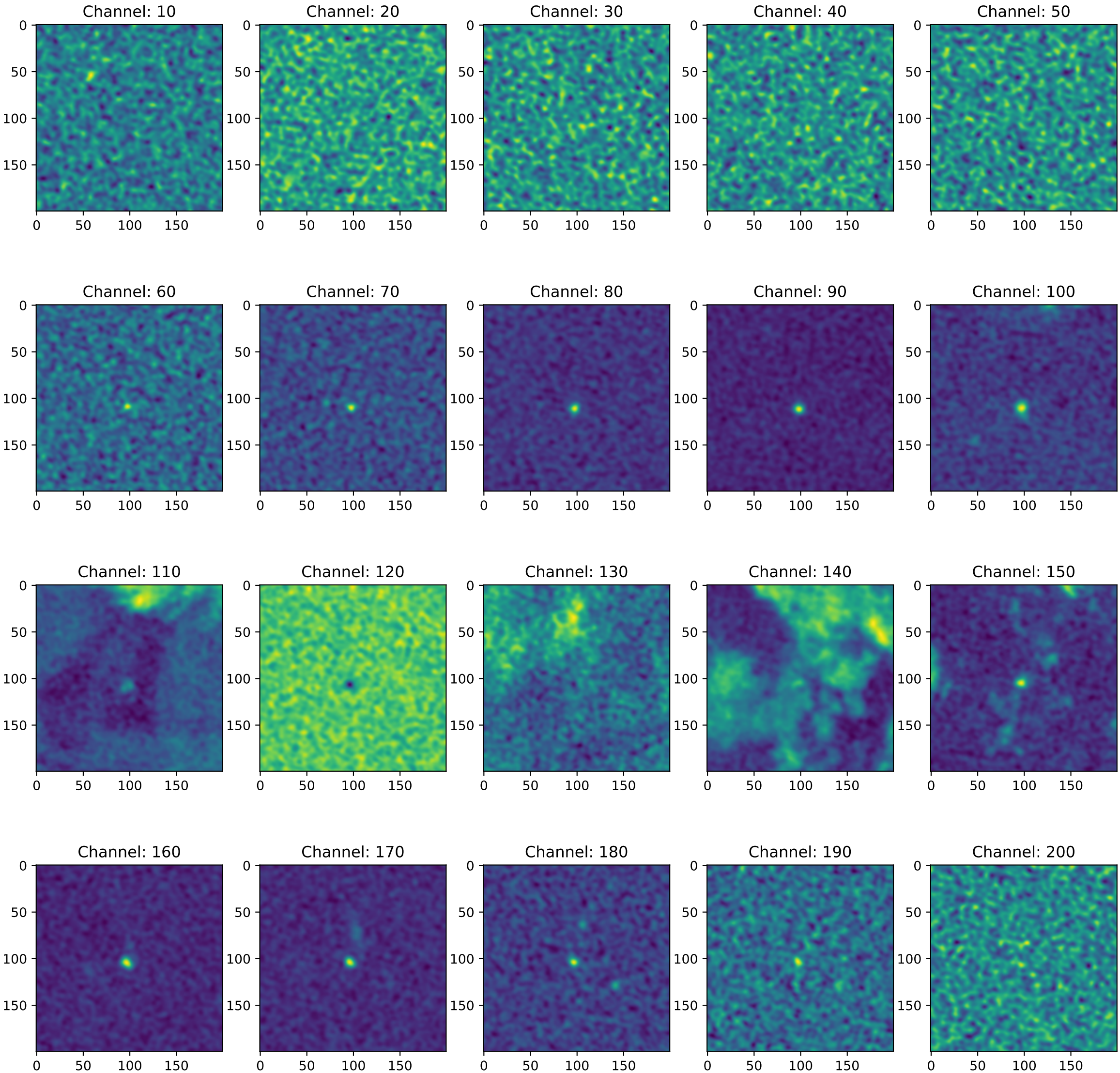
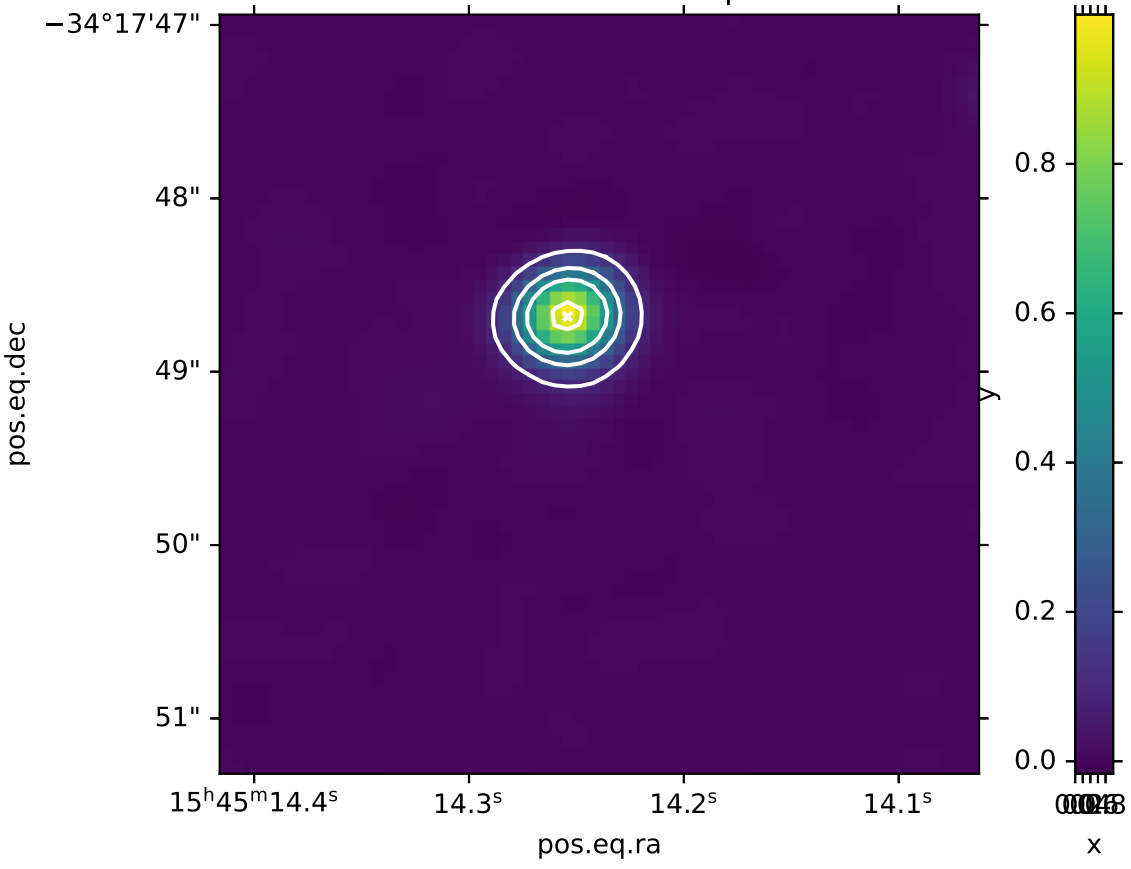
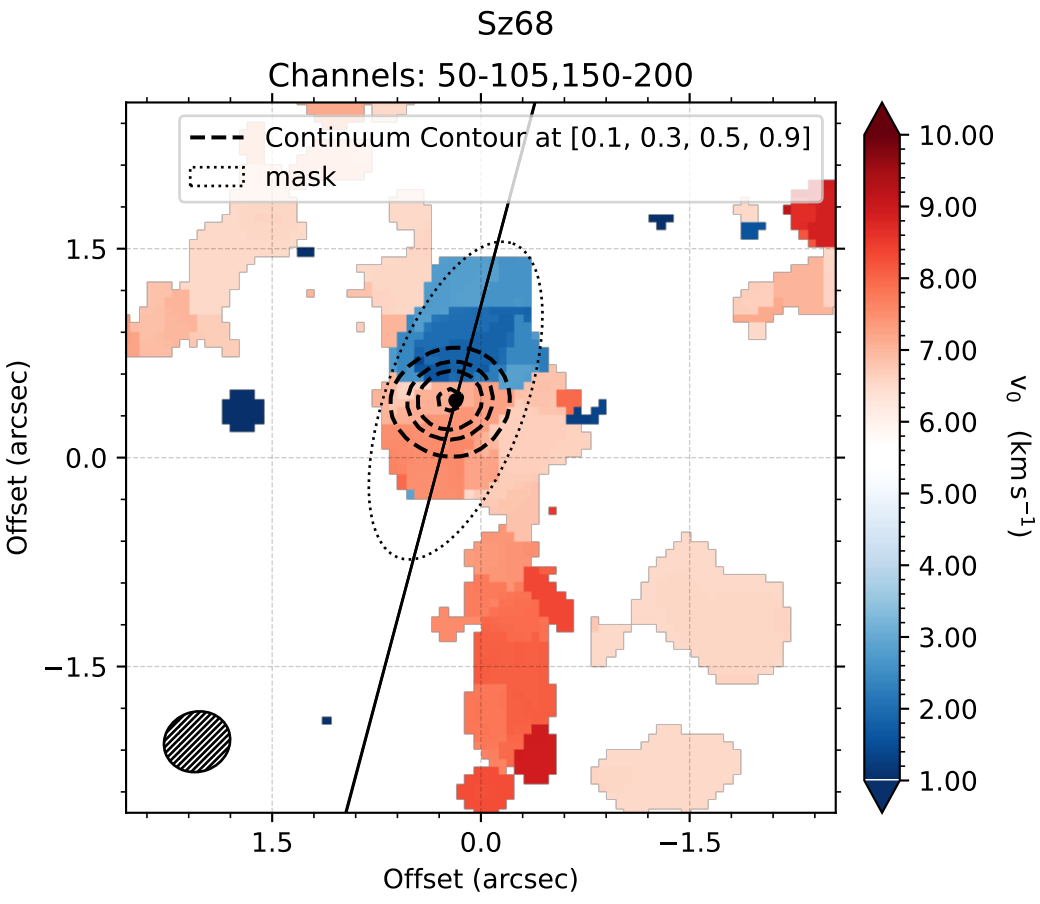
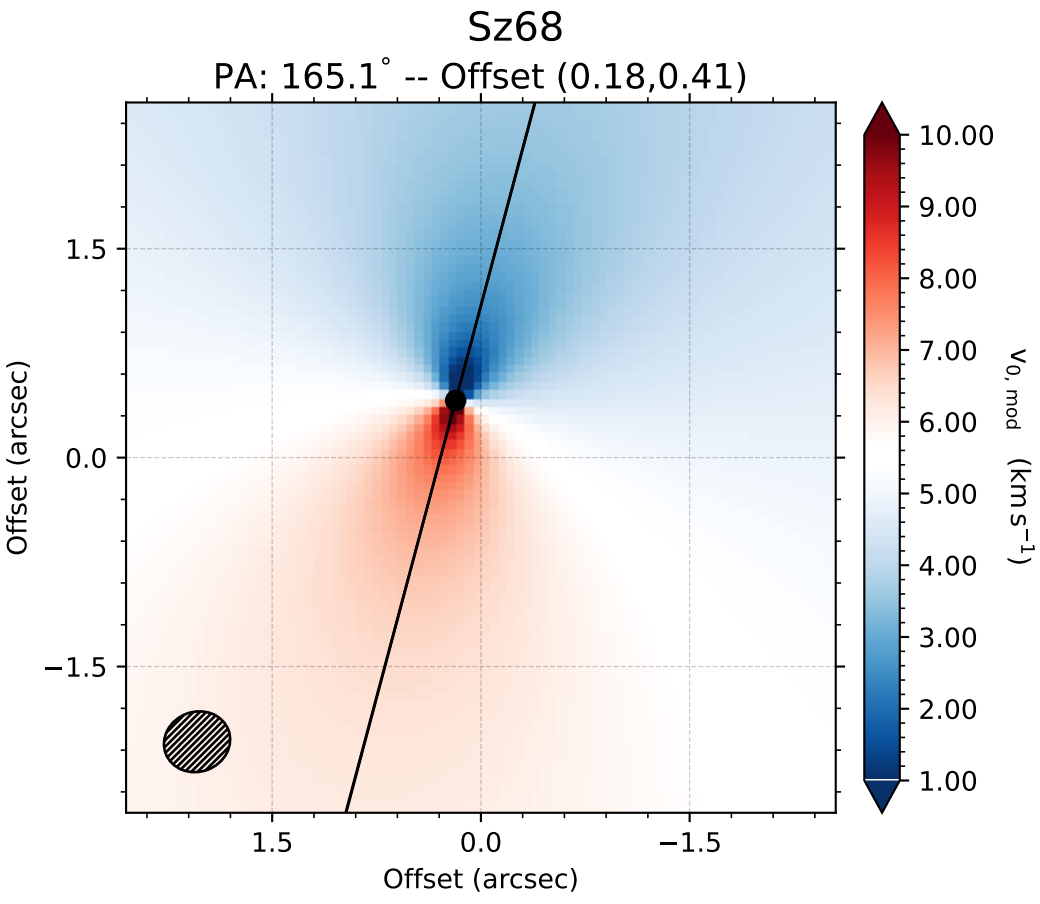
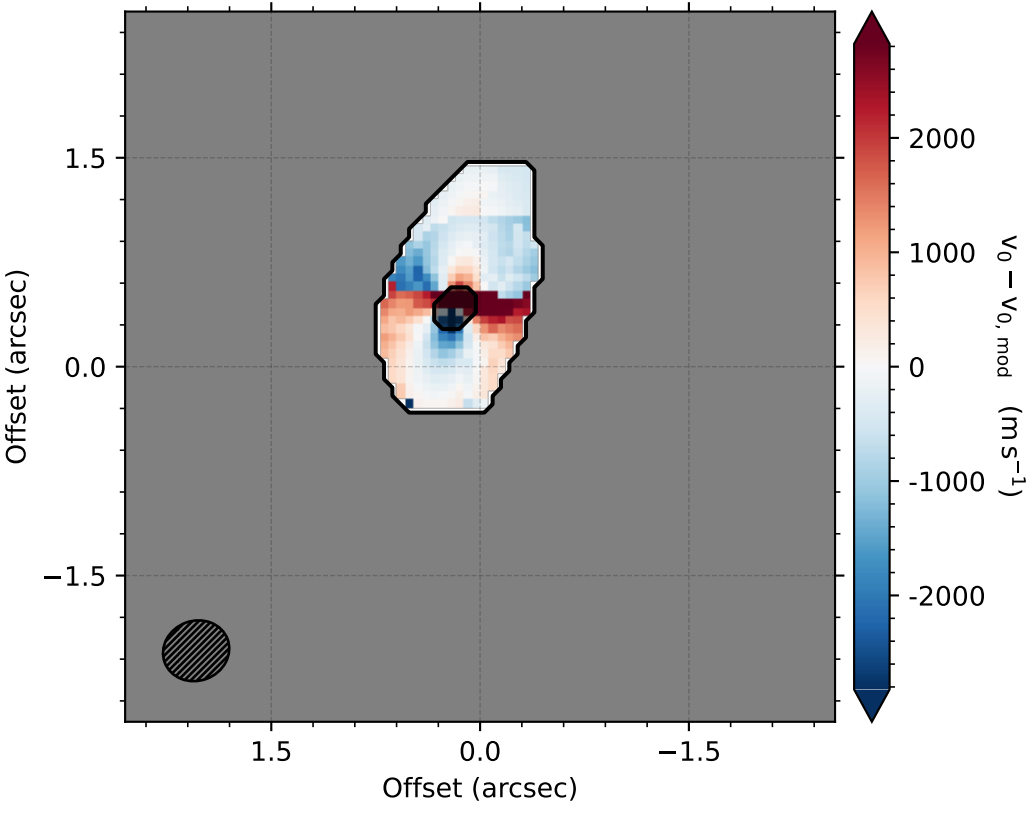
Sz68, CO

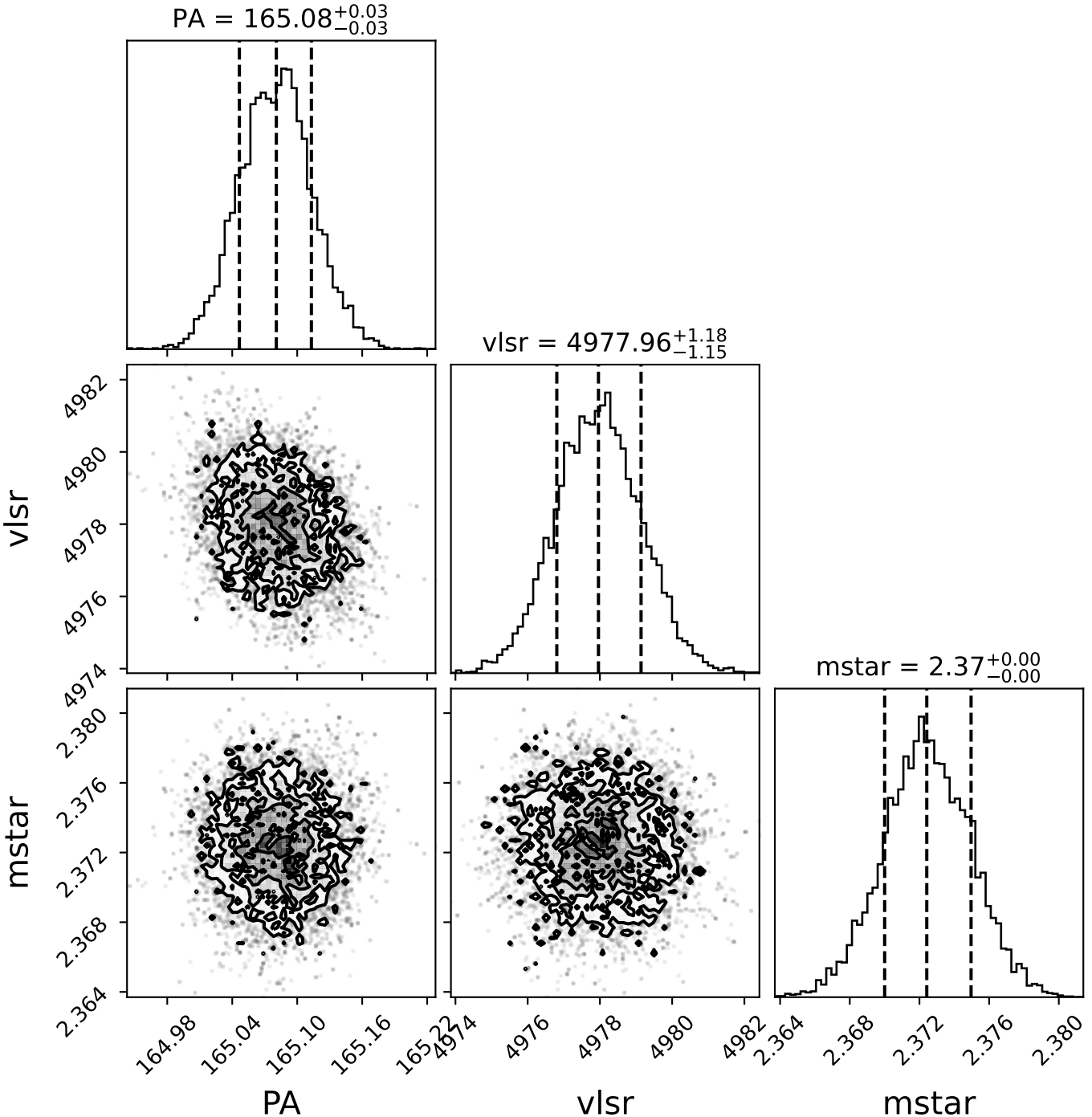

Channel: 10
Channel: 20
Channel: 30
Channel: 40
Channel: 50
Channel: 60
Channel: 70
Channel: 80
Channel: 90
Channel: 100
Channel: 110
Channel: 120
Channel: 130
Channel: 140
Channel: 150
Channel: 160
Channel: 170
Channel: 180
Channel: 190
Channel: 200
0
50
100
150


Continuum Stamp
−34°17'47"
48"
49"
50"
51"
pos.eq.dec
15h45m14.4s
14.3s
14.2s
14.1s
pos.eq.ra
y
x
0.0
0.2
0.4
0.6
0.8


Sz68
Channels: 50-105,150-200
Continuum Contour at [0.1, 0.3, 0.5, 0.9]
mask
1.5
0.0
−1.5
Offset (arcsec)
Offset (arcsec)
10.00
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
v_0 (km s^{-1})


Sz68
PA: 165.1° -- Offset (0.18,0.41)
1.5
0.0
−1.5
Offset (arcsec)
1.5
0.0
−1.5
Offset (arcsec)
10.00
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
$v_{0,\,mod}$ (km s^{-1})


1.5
0.0
−1.5
Offset (arcsec)
1.5
0.0
−1.5
Offset (arcsec)
2000
1000
0
-1000
-2000
$v_0 - v_{0,\,mod}$ (m s^{-1})


PA = 165.08$^{+0.03}_{-0.03}$
vlsr = 4977.96$^{+1.18}_{-1.15}$
mstar = 2.37$^{+0.00}_{-0.00}$
PA
vlsr
mstar
164.98
165.04
165.10
165.16
165.22
4974
4976
4978
4980
4982
2.364
2.368
2.372
2.376
2.380

Name: Sz68

Region: Lupus

File: /Users/calebpainter/Downloads/DECO/fits_files/Lupus/Sz68_CO_230.538GHz.image.fits

Emmision Line: CO

Channels: (50, 105, 150, 200)

X-pos: 236.303488

Y-pos: -34.29199

X-offset: 0.182

Y-offset: 0.41

Literature PA: 0.288

Eddy PA: 165.08

Literature Mass [M]: 1.32

Eddy Mass [M]: 2.37

DECO Dict vsys [km/s]: 2.6

Eddy vlsr [m/s]: 4.98

Literature Inc: 34.01

Eddy Inc: --

Literature Distance [Mpc]: 158.0

Eddy rmin, rmax ["]: (0.2, 2.0)

Eddy params (nwalkers, nburn, nsteps): (32, 800, 500)

Velocity Mask: [0.5, 1.2, 200]

Notes: Good Disk