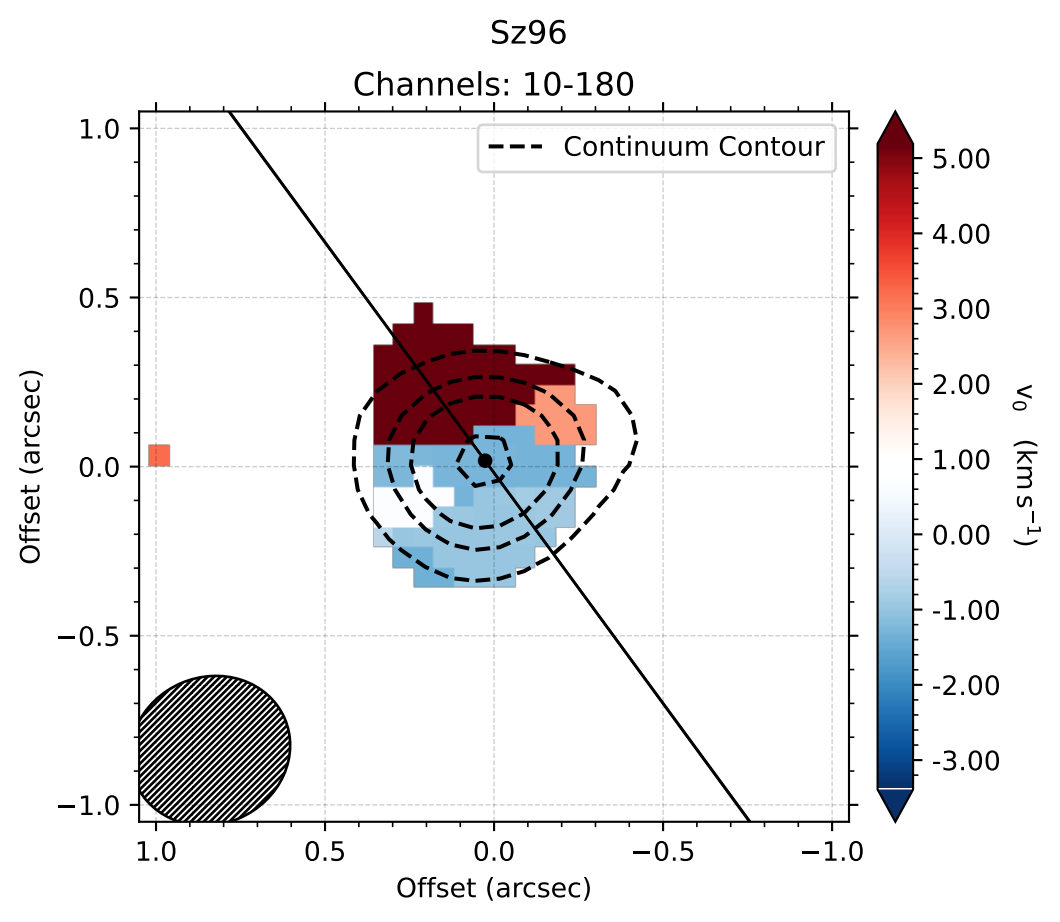
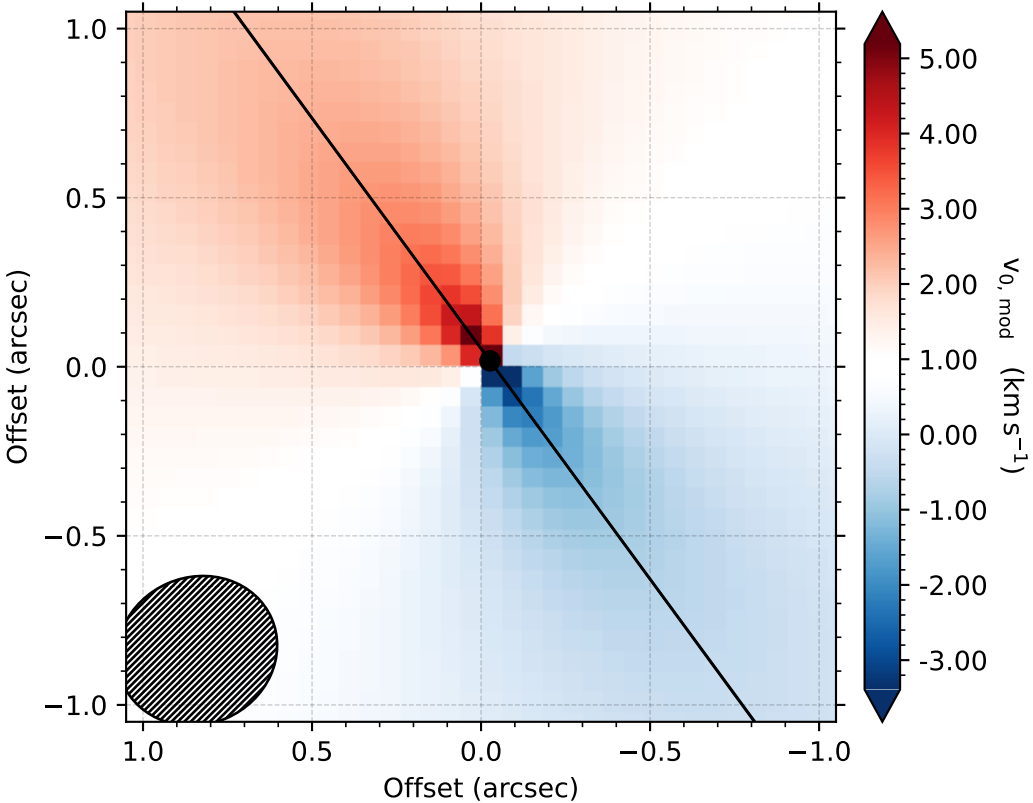
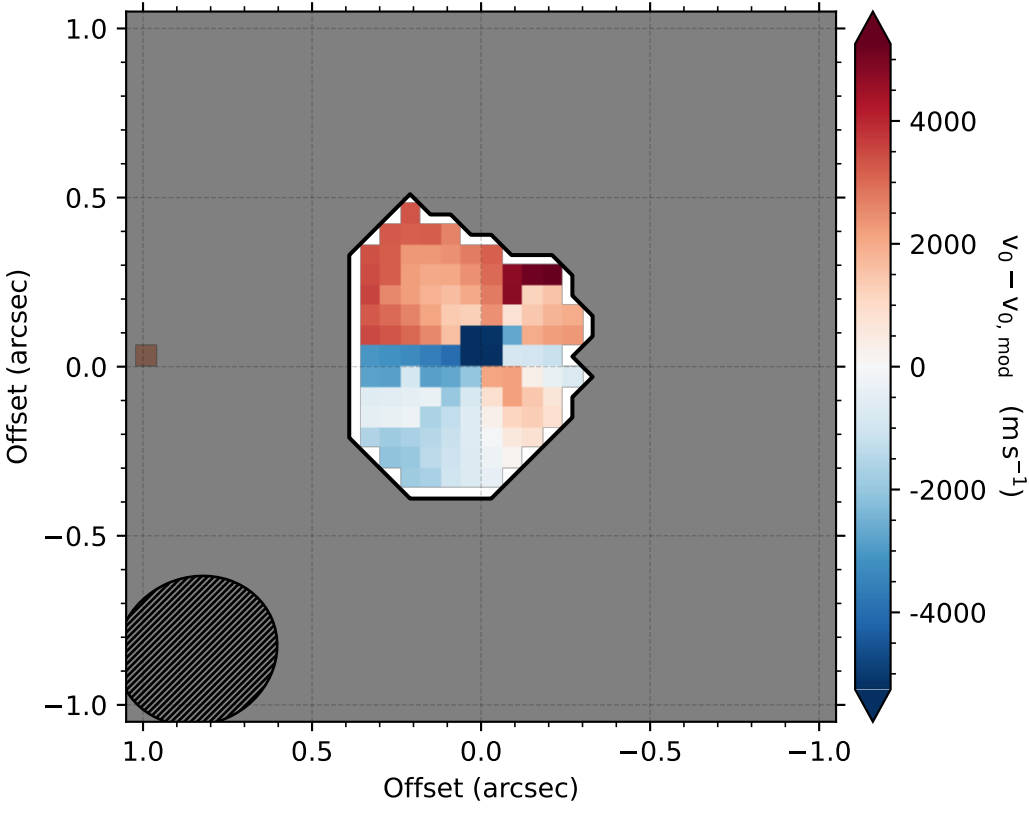
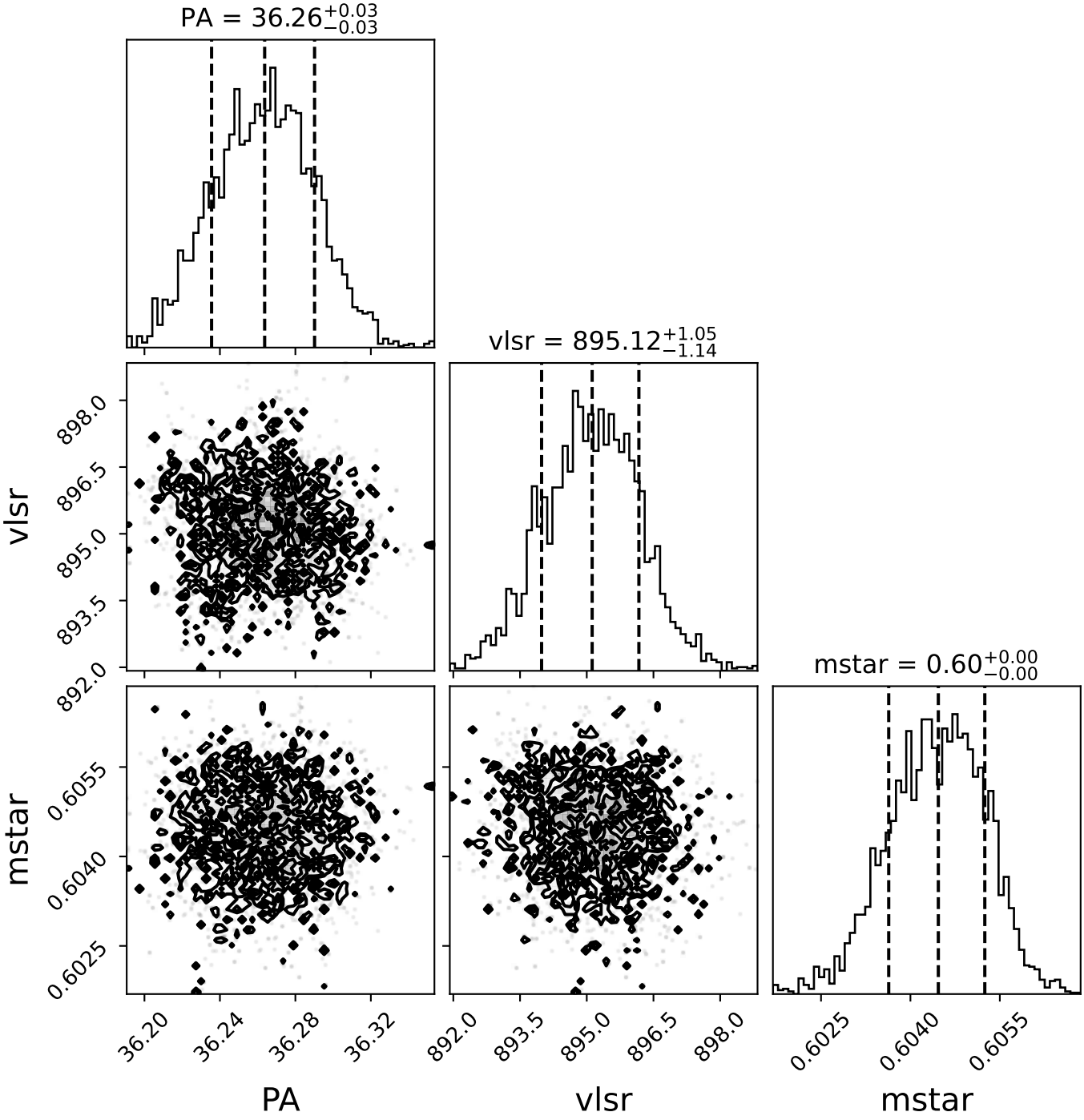
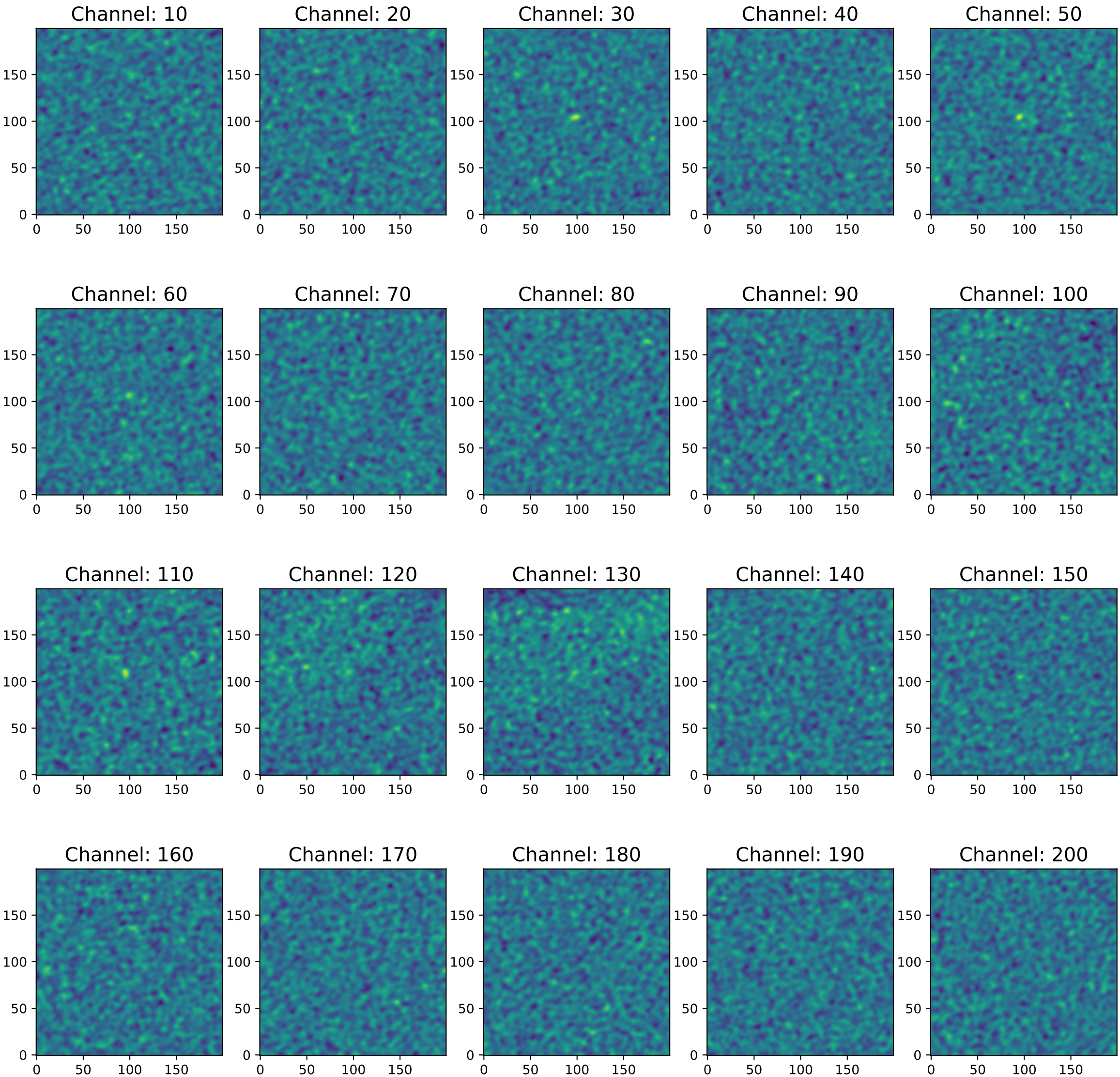

Sz96
Channels: 10-180
Continuum Contour
Offset (arcsec)
Offset (arcsec)
1.0
0.5
0.0
−0.5
−1.0
5.00
4.00
3.00
2.00
1.00
0.00
-1.00
-2.00
-3.00
v_0 (km s^{-1})


PA: 36.3°
1.0
0.5
0.0
−0.5
−1.0
Offset (arcsec)
Offset (arcsec)
5.00
4.00
3.00
2.00
1.00
0.00
-1.00
-2.00
-3.00
$v_{0,\,mod}$ (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)
4000
2000
0
-2000
-4000
$v_0 - v_{0,\,\mathrm{mod}}$ (m s^{-1})


PA = 36.26$^{+0.03}_{-0.03}$
vlsr = 895.12$^{+1.05}_{-1.14}$
mstar = 0.60$^{+0.00}_{-0.00}$
PA
vlsr
mstar
36.20
36.24
36.28
36.32
892.0
893.5
895.0
896.5
898.0
0.6025
0.6040
0.6055

Sz96, 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

Name: Sz96

Region: Lupus

File: /Users/calebpainter/Downloads/DECO/fits_files/Lupus//Sz96_CO_230.538GHz.image.fits

Emmision Line: CO

Channels: (10, 180, 10, 180)

X-pos: 242.05253

Y-pos: -39.142777

X-offset: 0.03

Y-offset: 0.02

Literature PA: 91.498

Eddy PA: 36.26

Literature Mass [M]: 0.463

Eddy Mass [M]: 0.6

DECO Dict vsys [km/s]: 4.7

Eddy vlsr [m/s]: 0.9

Literature Inc: 49.0

Eddy Inc: --

Literature Distance [Mpc]: 155.97

Eddy rmin, rmax ["]: (0, 1.5)

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

Velocity Mask: None

Background Velocity Removal: None

Notes: MCMC GOOD