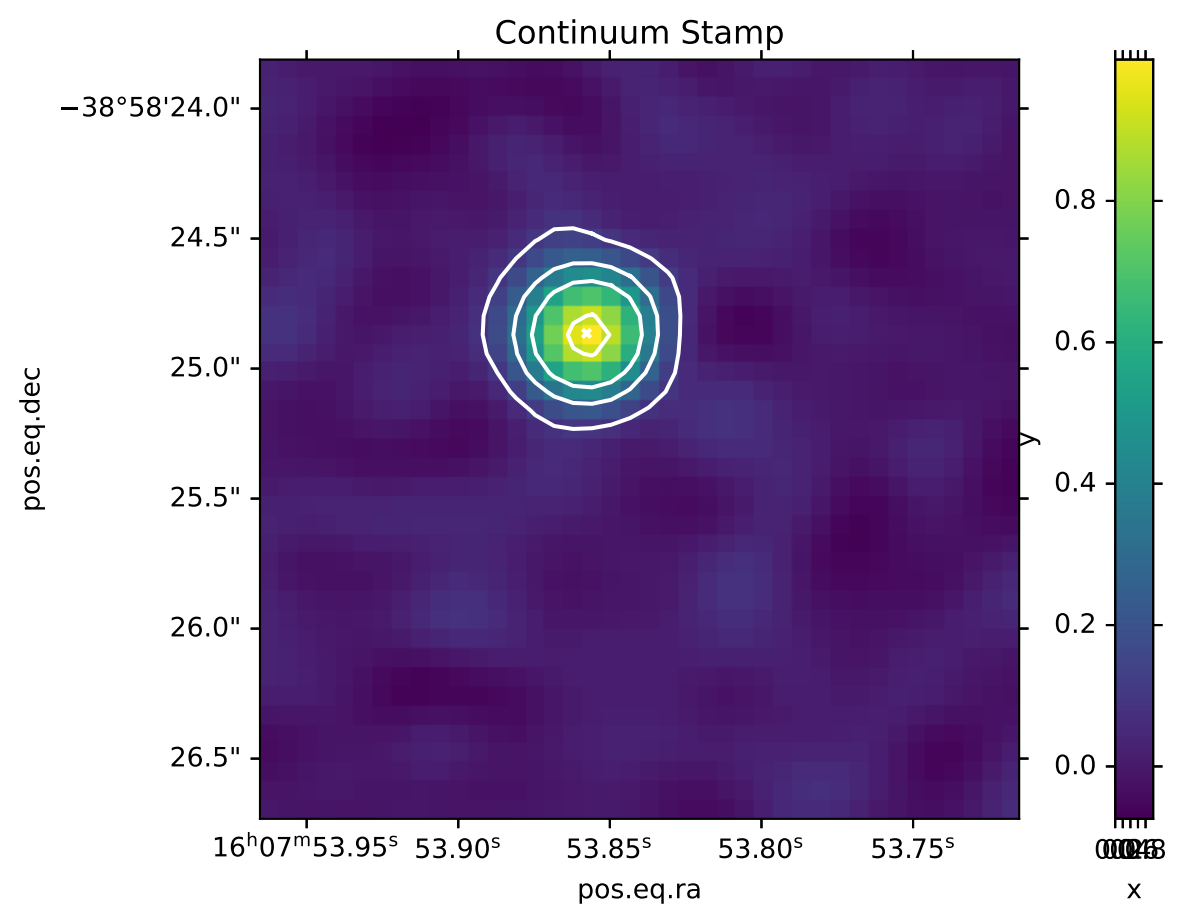
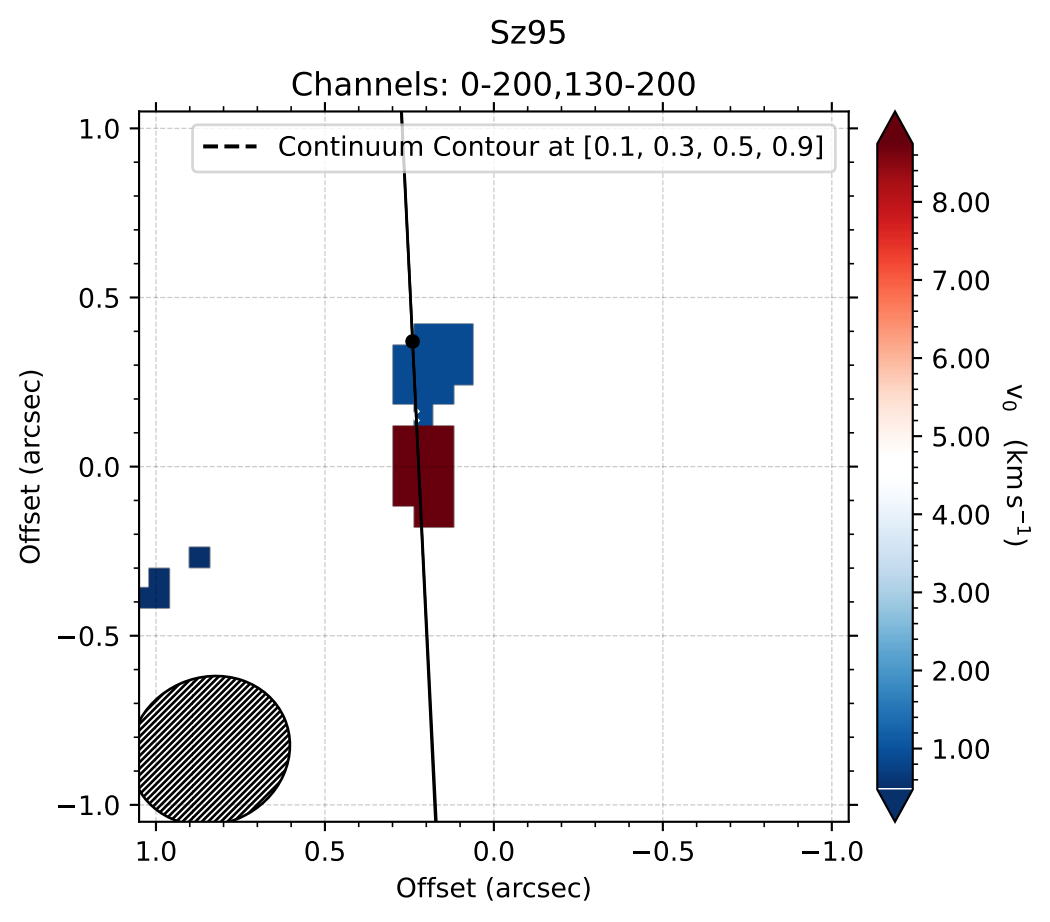
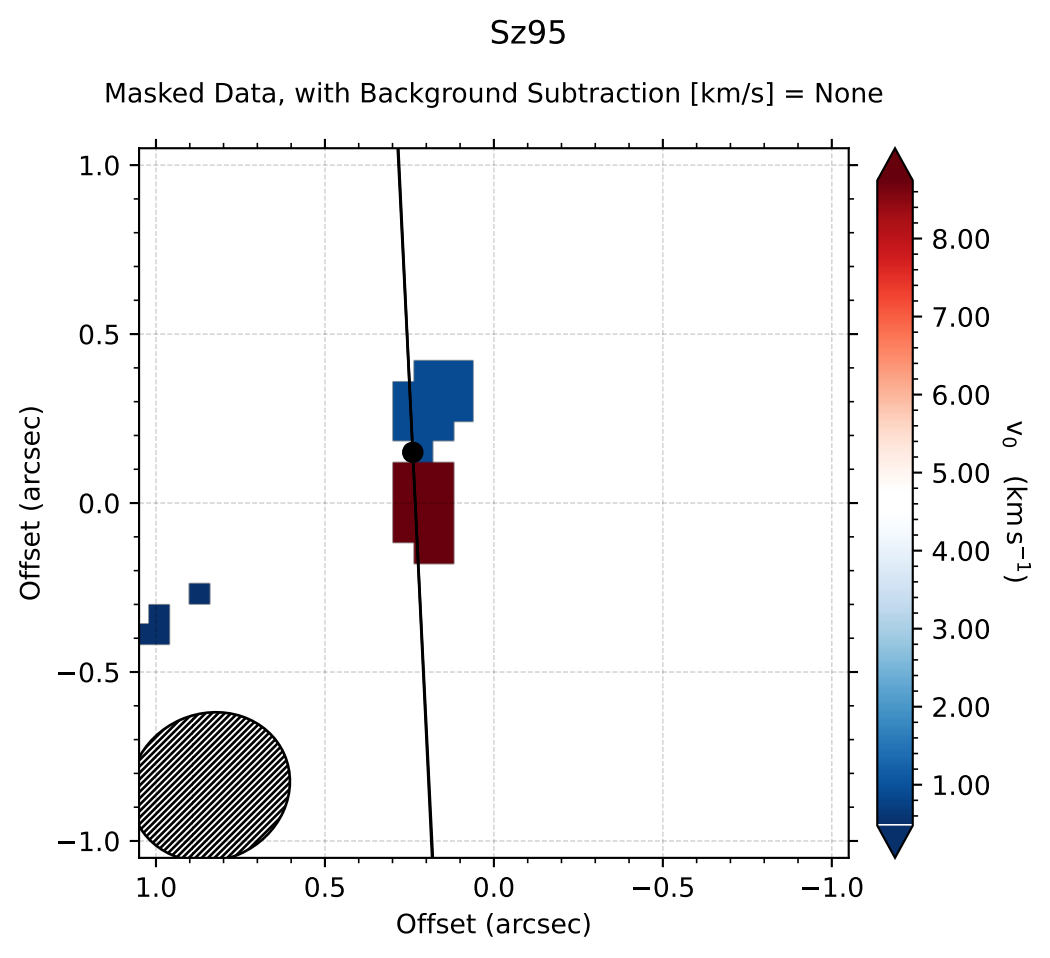
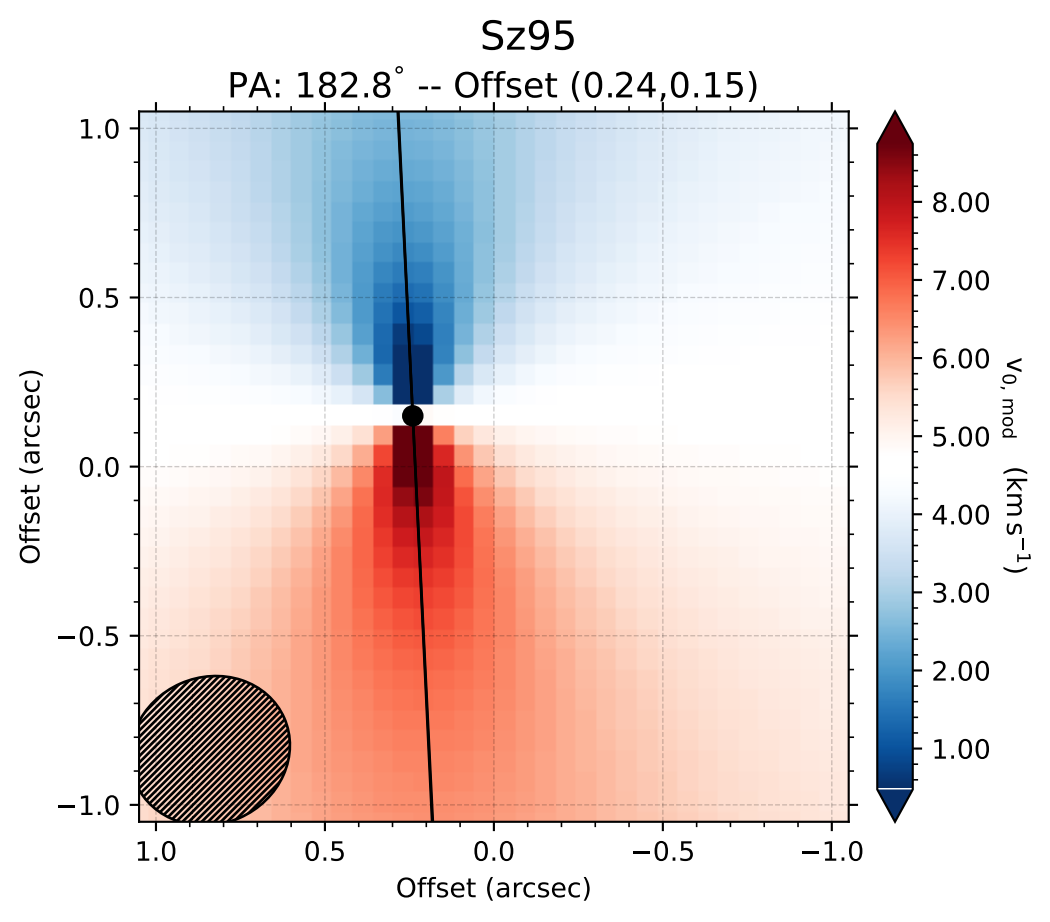
Sz95, CO

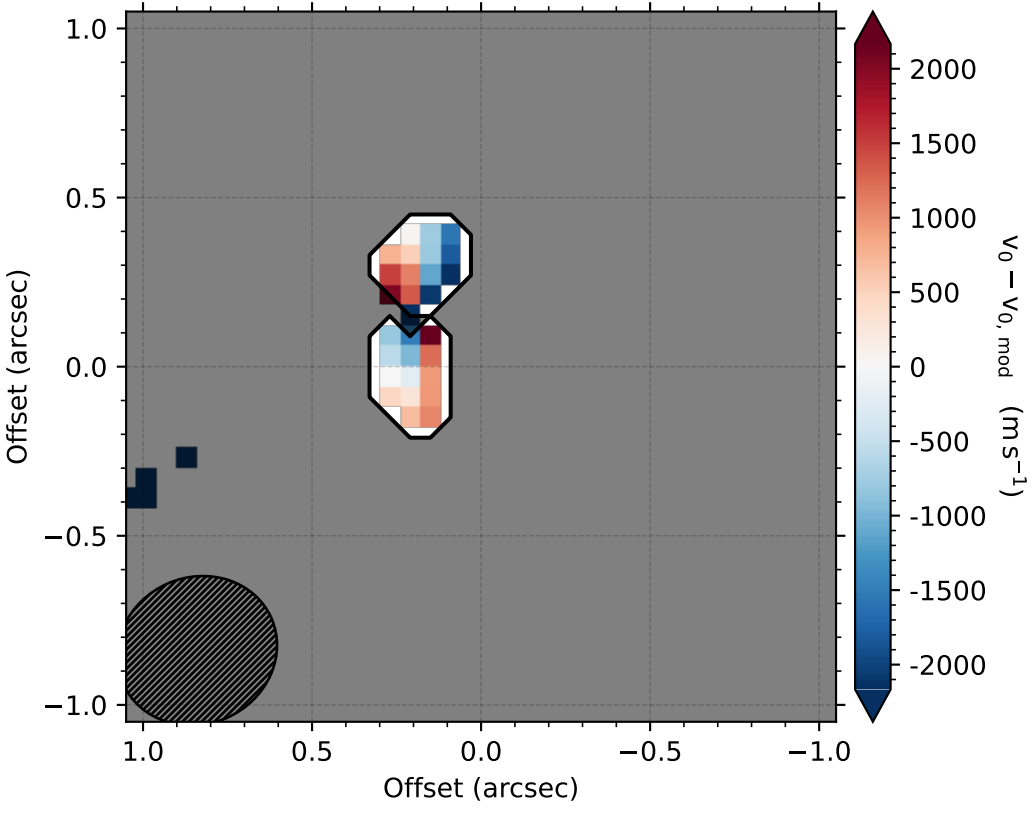
Channel: 10
Channel: 20
Channel: 30
Channel: 40
Channel: 50
Channel: 60
Channel: 70
Channel: 80
Channel: 90
Channel: 100
Channel: 110
Channel: 120
Channel: 130
Channel: 140
Channel: 150
Channel: 160
Channel: 170
Channel: 180
Channel: 190
Channel: 200
0
50
100
150

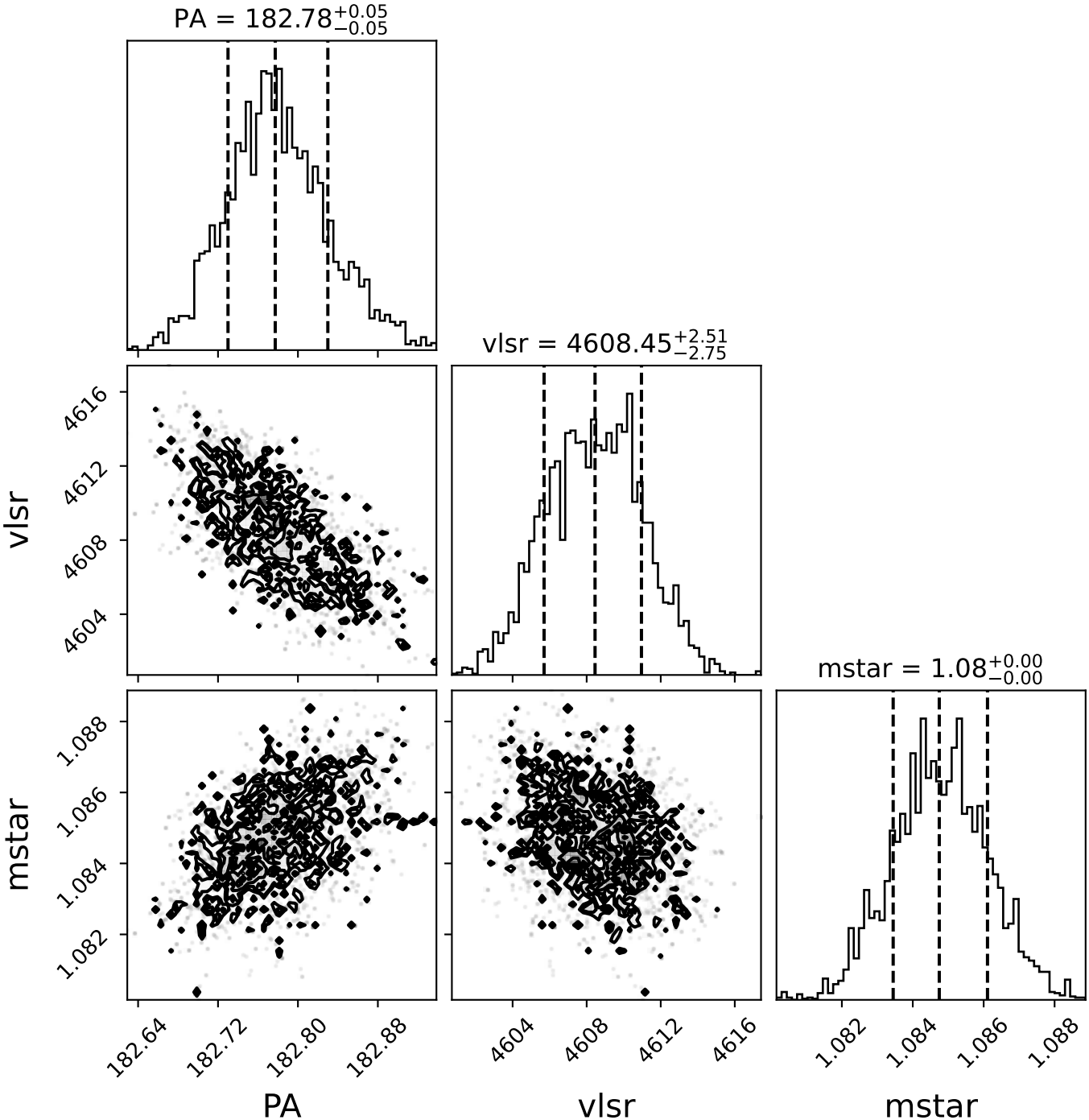

Continuum Stamp
−38°58'24.0"
24.5"
25.0"
25.5"
26.0"
26.5"
pos.eq.dec
16h07m53.95s
53.90s
53.85s
53.80s
53.75s
pos.eq.ra
y
x
0.8
0.6
0.4
0.2
0.0


Sz95
Channels: 0-200,130-200
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
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
v_0 (km s^{-1})


Sz95
Masked Data, with Background Subtraction [km/s] = None
Offset (arcsec)
Offset (arcsec)
1.0
0.5
0.0
−0.5
−1.0
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
v_0 (km s^{-1})


Sz95
PA: 182.8° -- Offset (0.24,0.15)
Offset (arcsec)
Offset (arcsec)
1.0
0.5
0.0
−0.5
−1.0
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
$v_{0,\,mod}$ (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)
2000
1500
1000
500
0
-500
-1000
-1500
-2000
$v_0 - v_{0,\,\mathrm{mod}}$ (m s^{-1})


PA = 182.78$^{+0.05}_{-0.05}$
vlsr = 4608.45$^{+2.51}_{-2.75}$
mstar = 1.08$^{+0.00}_{-0.00}$
PA
vlsr
mstar
182.64
182.72
182.80
182.88
4604
4608
4612
4616
1.082
1.084
1.086
1.088

Name: Sz95

Region: Lupus

File: /Users/calebpainter/Downloads/DECO/fits_files/Lupus/Sz95_CO_230.538GHz.image.fits

Emmision Line: CO

Channels: (0, 200, 130, 200)

X-pos: 241.967867

Y-pos: -38.968504

X-offset: 0.24

Y-offset: 0.37

Literature PA: 92.463

Eddy PA: 182.78

Literature Mass [M]: 0.291

Eddy Mass [M]: 1.08

DECO Dict vsys [km/s]: 3.1

Eddy vlsr [m/s]: 4.61

Literature Inc: 53.13

Eddy Inc: --

Literature Distance [Mpc]: 160.47

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

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

Velocity Mask: None

Background Velocity Removal: None

Notes: MCMC GOOD