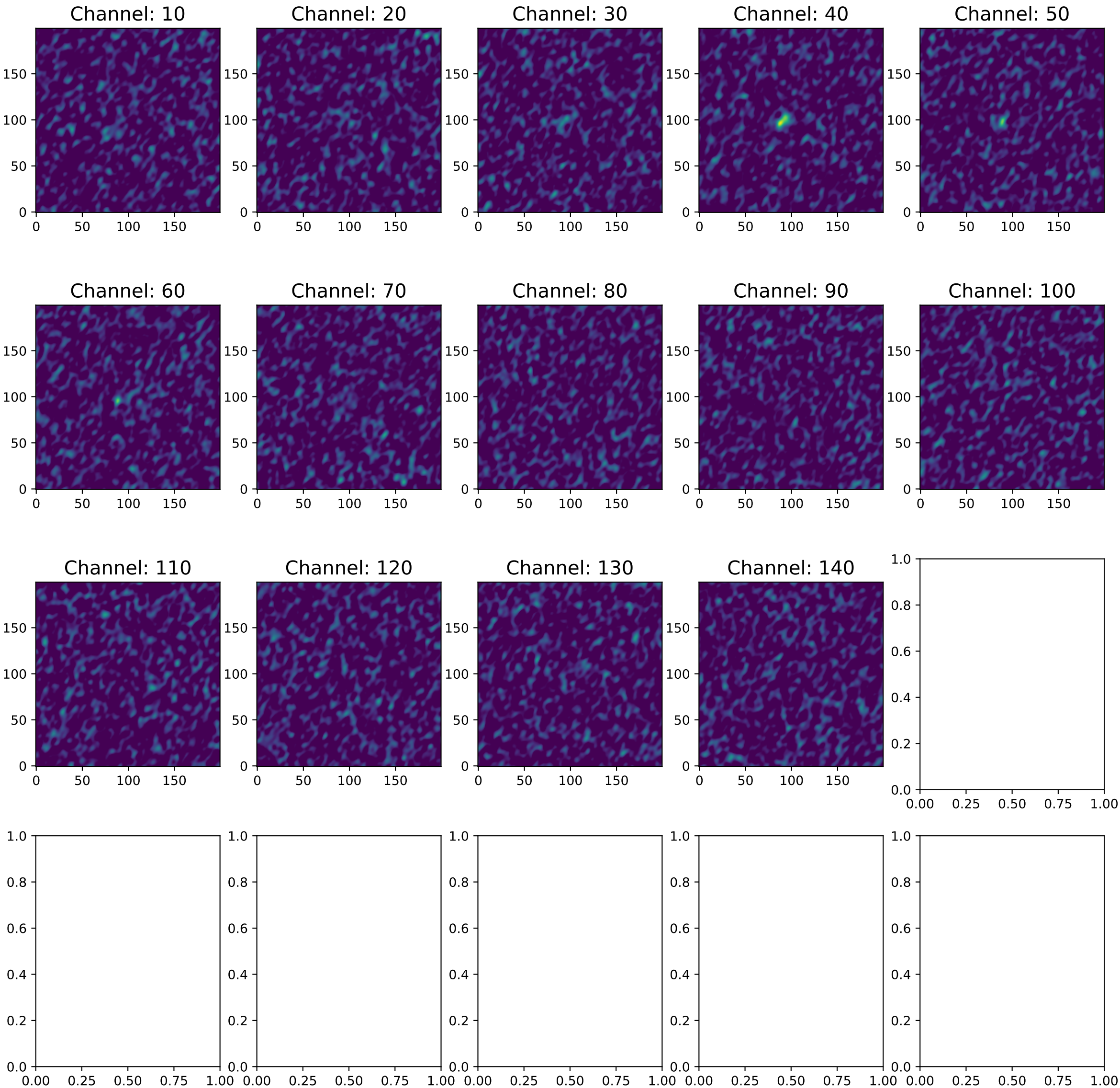
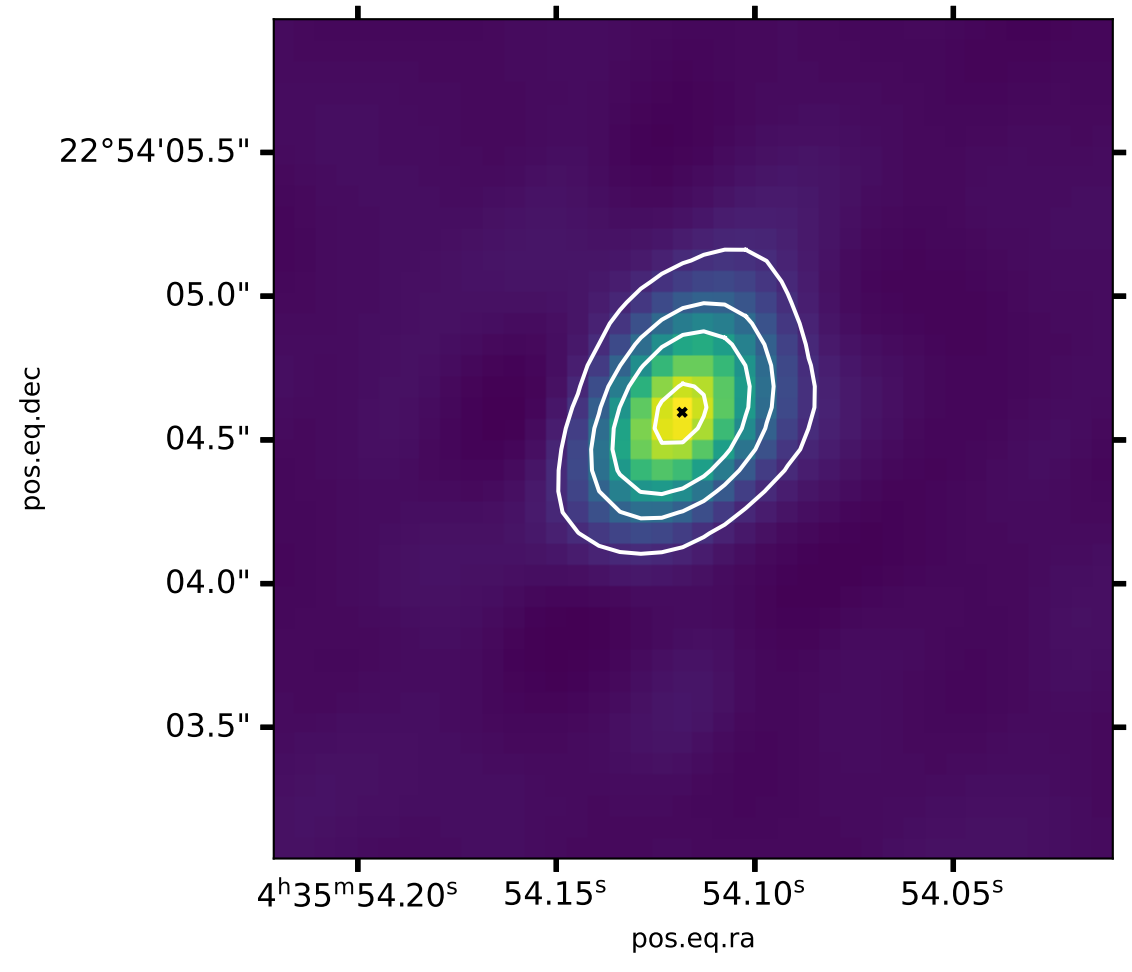
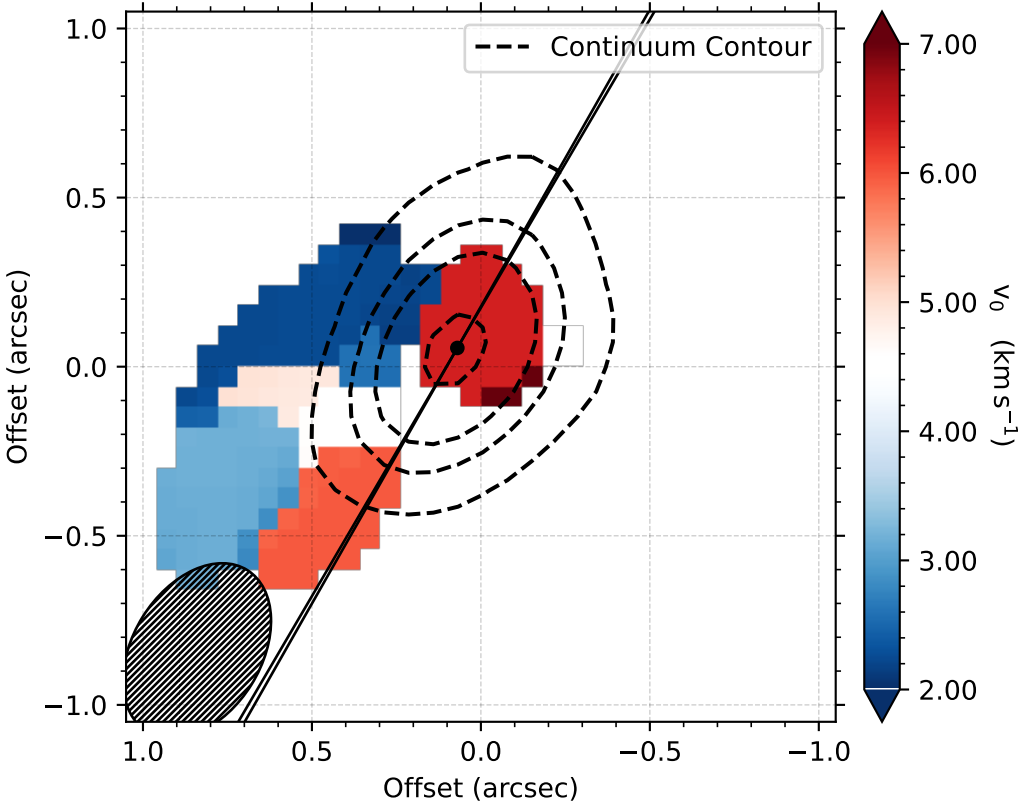
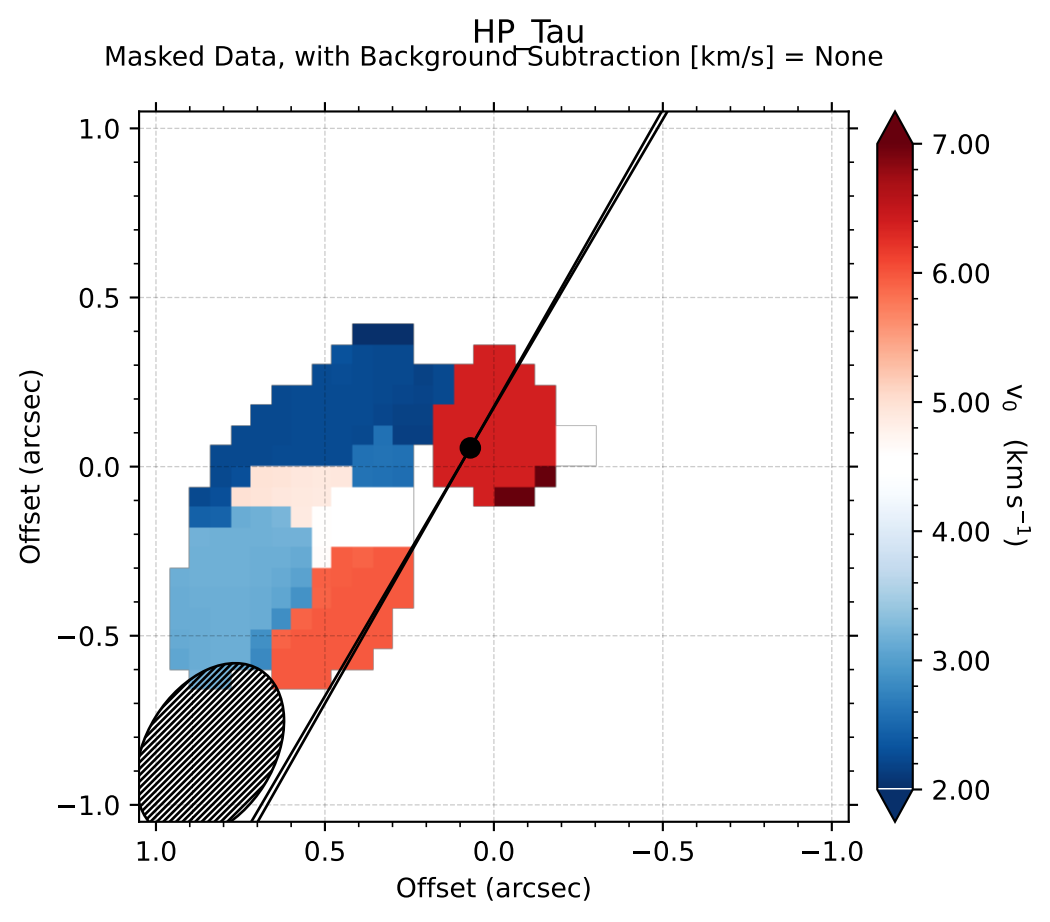
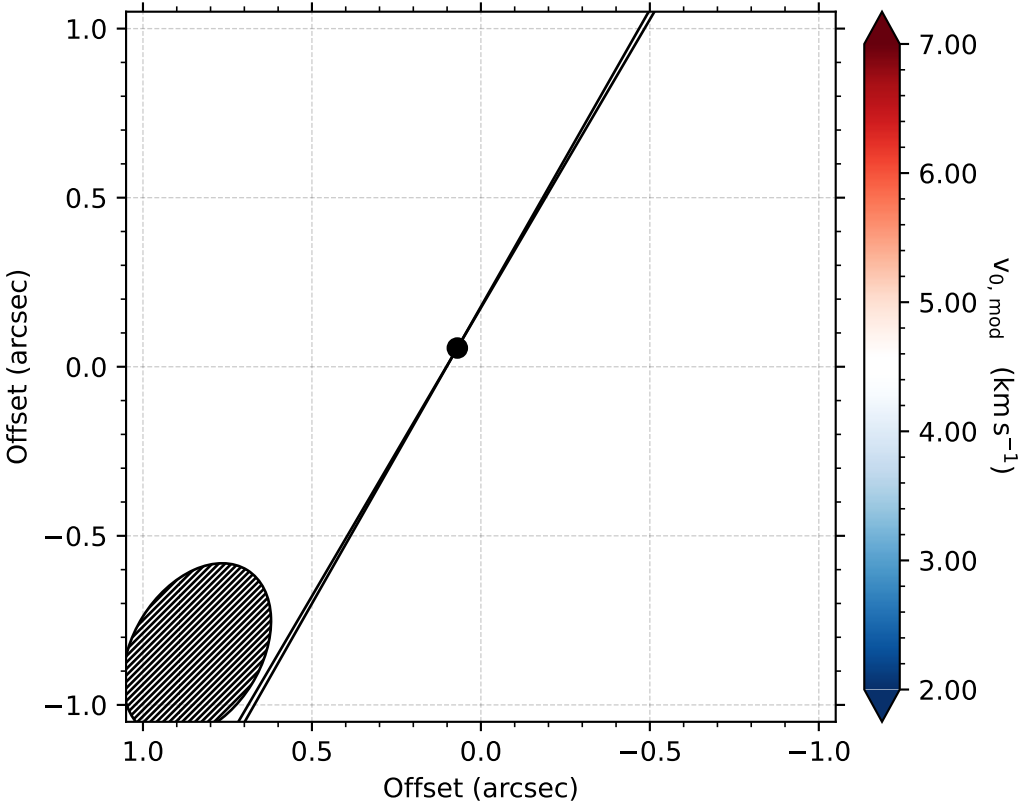
HP_Tau, Tau

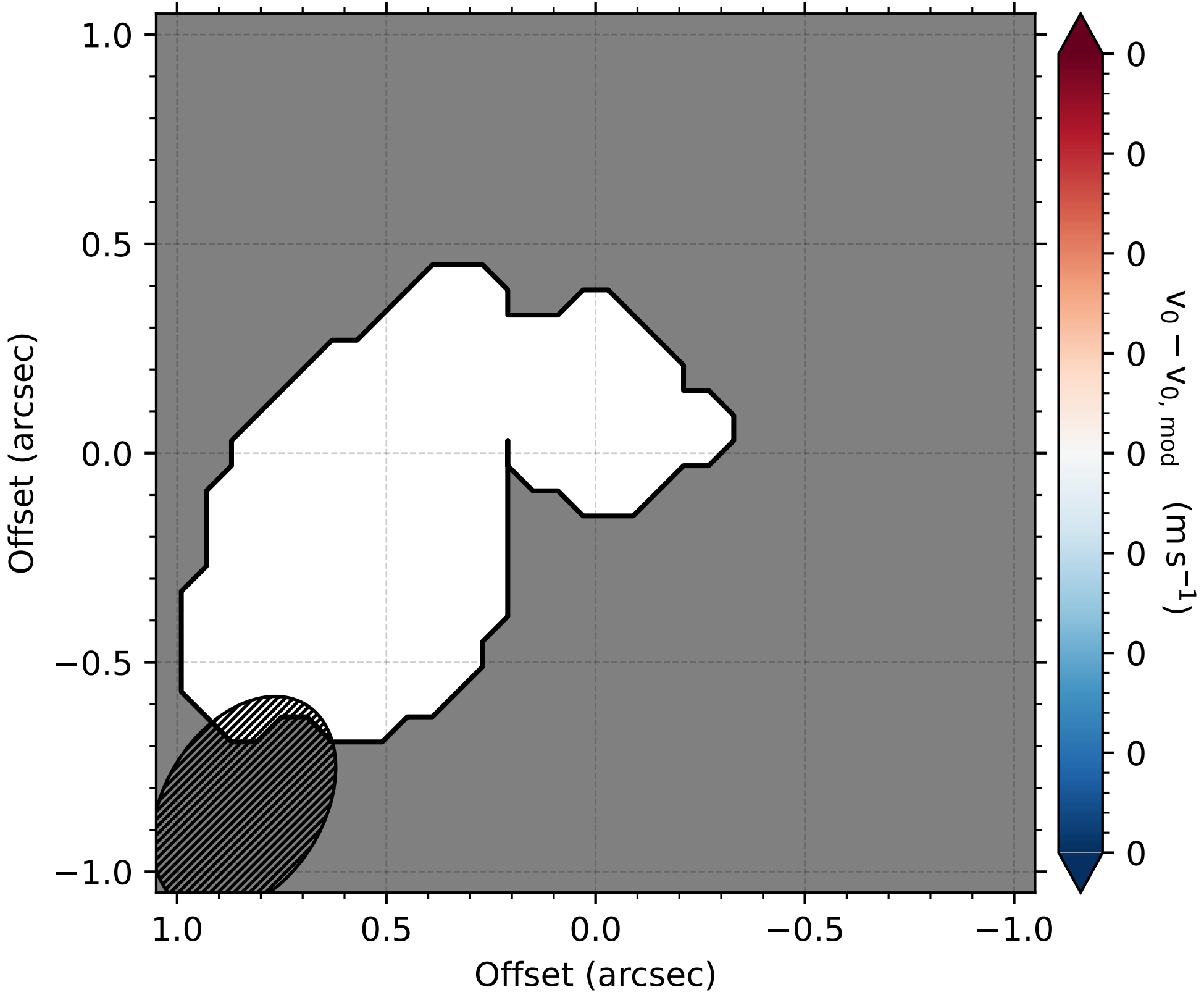

Channel: 10
Channel: 20
Channel: 30
Channel: 40
Channel: 50
Channel: 60
Channel: 70
Channel: 80
Channel: 90
Channel: 100
Channel: 110
Channel: 120
Channel: 130
Channel: 140

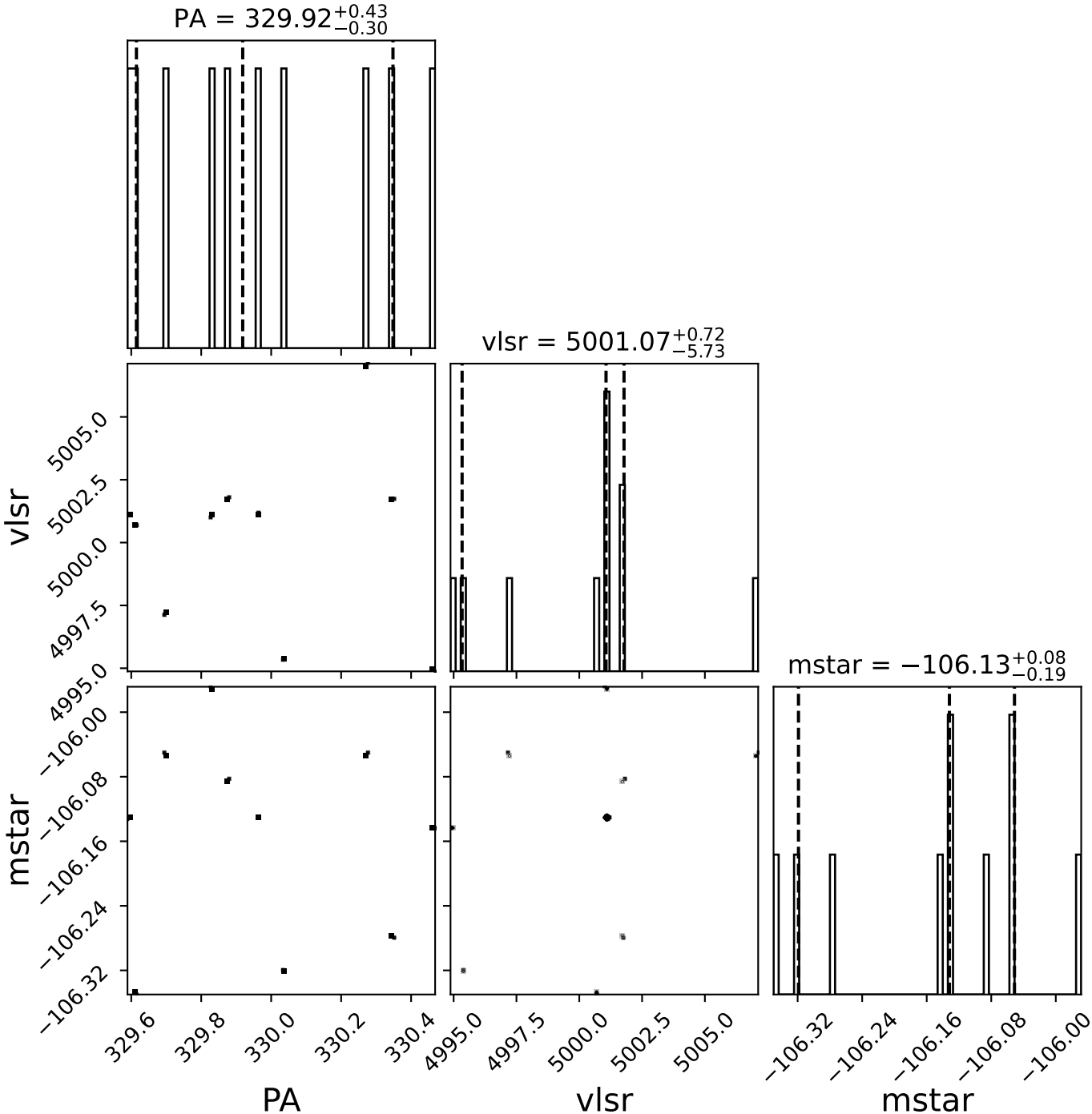

22°54'05.5"
05.0"
04.5"
04.0"
03.5"
pos.eq.dec
4h35m54.20s
54.15s
54.10s
54.05s
pos.eq.ra


Channels: 0-140
Continuum Contour
Offset (arcsec)
Offset (arcsec)
1.0
0.5
0.0
−0.5
−1.0
7.00
6.00
5.00
4.00
3.00
2.00
v_0 (km s^{-1})


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


PA: 329.9°
1.0
0.5
0.0
−0.5
−1.0
Offset (arcsec)
Offset (arcsec)
7.00
6.00
5.00
4.00
3.00
2.00
$v_{0,\,mod}$ (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)
0
0
0
0
0
0
0
0
$v_0 - v_{0,\mathrm{mod}}$ (m s^{-1})


PA = 329.92$^{+0.43}_{-0.30}$
vlsr = 5001.07$^{+0.72}_{-5.73}$
mstar = −106.13$^{+0.08}_{-0.19}$
PA
vlsr
mstar
329.6
329.8
330.0
330.2
330.4
4995.0
4997.5
5000.0
5002.5
5005.0
−106.00
−106.08
−106.16
−106.24
−106.32

Name: HP_Tau

Region: Taurus

File: /Users/calebpainter/Downloads/DECO/fits_files/Taurus/HP_Tau_HCN_hf1_265.885GHz.image.fits

Emmision Line: Tau

Channels: (0, 140, 0, 70)

X-pos: 68.969988

Y-pos: 22.906346

X-offset: 0.07

Y-offset: 0.06

Literature PA: 56.5

Eddy PA: 330.16

Literature Mass [M]: -106.15

Eddy Mass [M]: -106.11

DECO Dict vsys [km/s]: 5.0

Eddy vlsr [m/s]: 5.0

Literature Inc: 18.3

Eddy Inc: --

Literature Distance [Mpc]: 141.0

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

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

Velocity Mask: None

Background Velocity Removal: None

Notes: MCMC FAILS