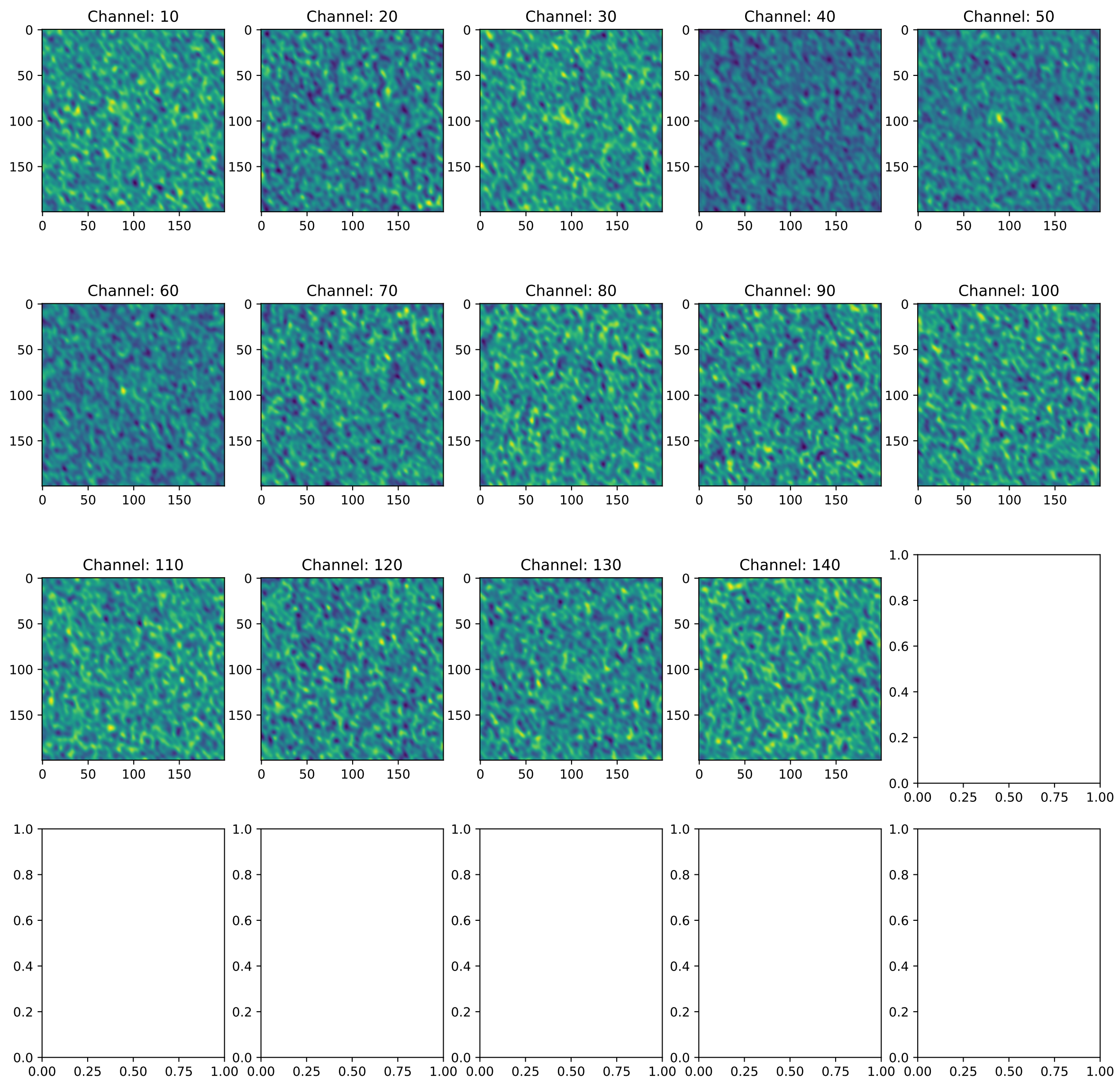


HP\_Tau, Tau



# Continuum Stamp

pos.eq.dec

22°54'05.5"

05.0"

04.5"

04.0"

03.5"

4<sup>h</sup>35<sup>m</sup>54.20<sup>s</sup>

54.15<sup>s</sup>

54.10<sup>s</sup>

54.05<sup>s</sup>

pos.eq.ra

0.8

0.6

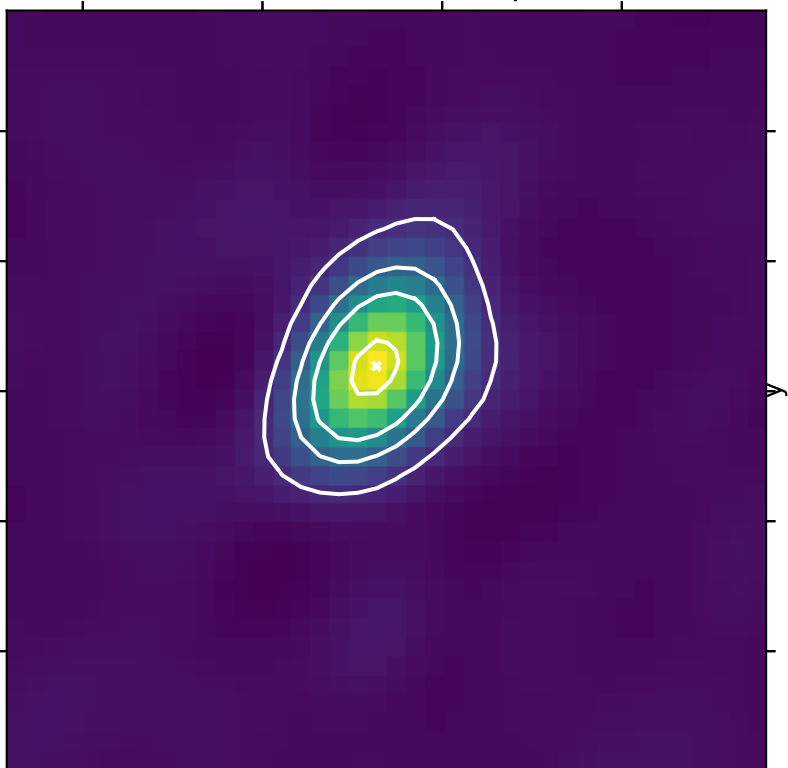
0.4

0.2

0.0

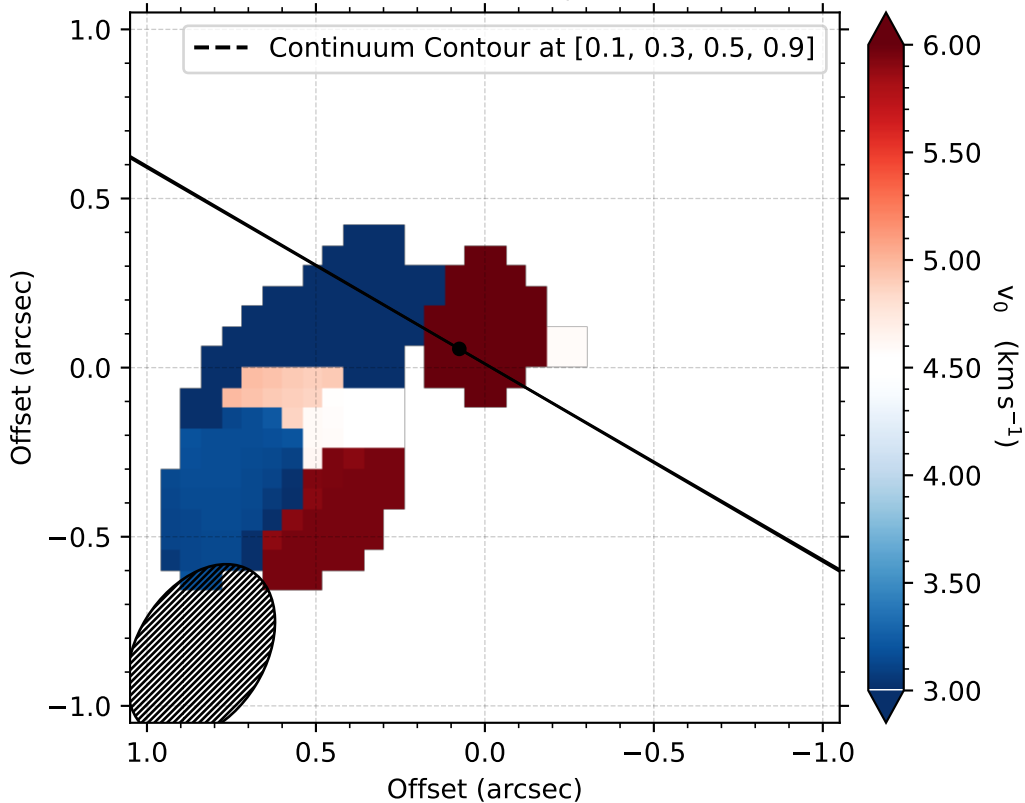
0.025

x



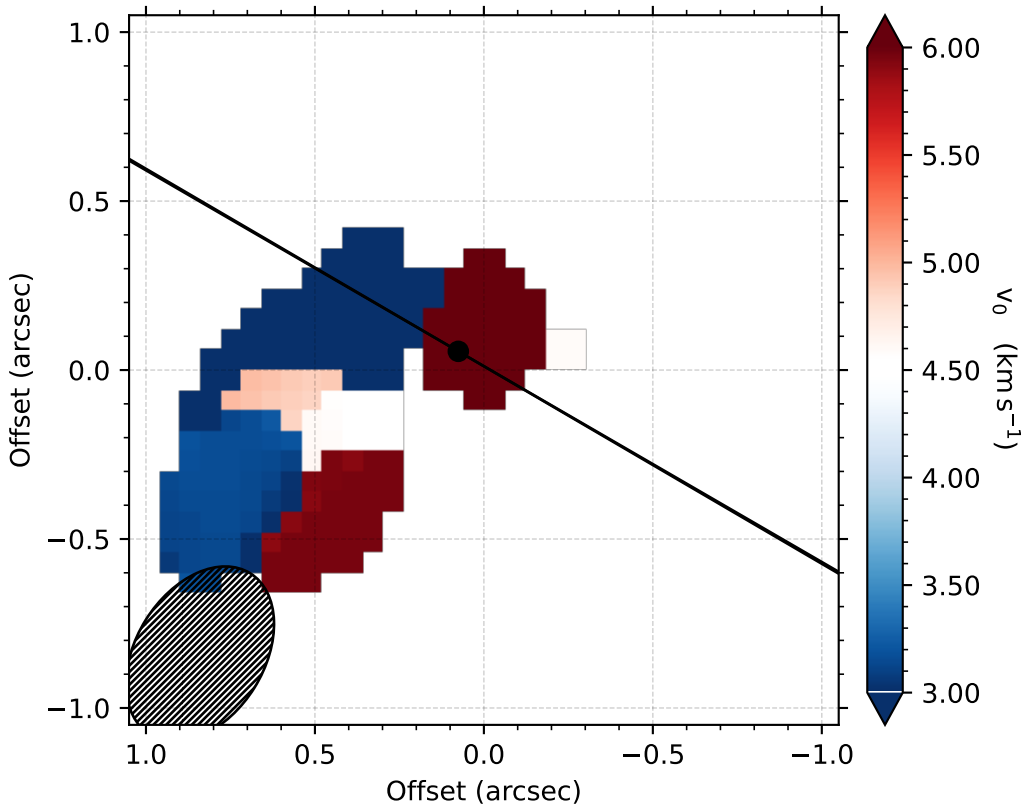
HP\_Tau

Channels: 0-70,0-70



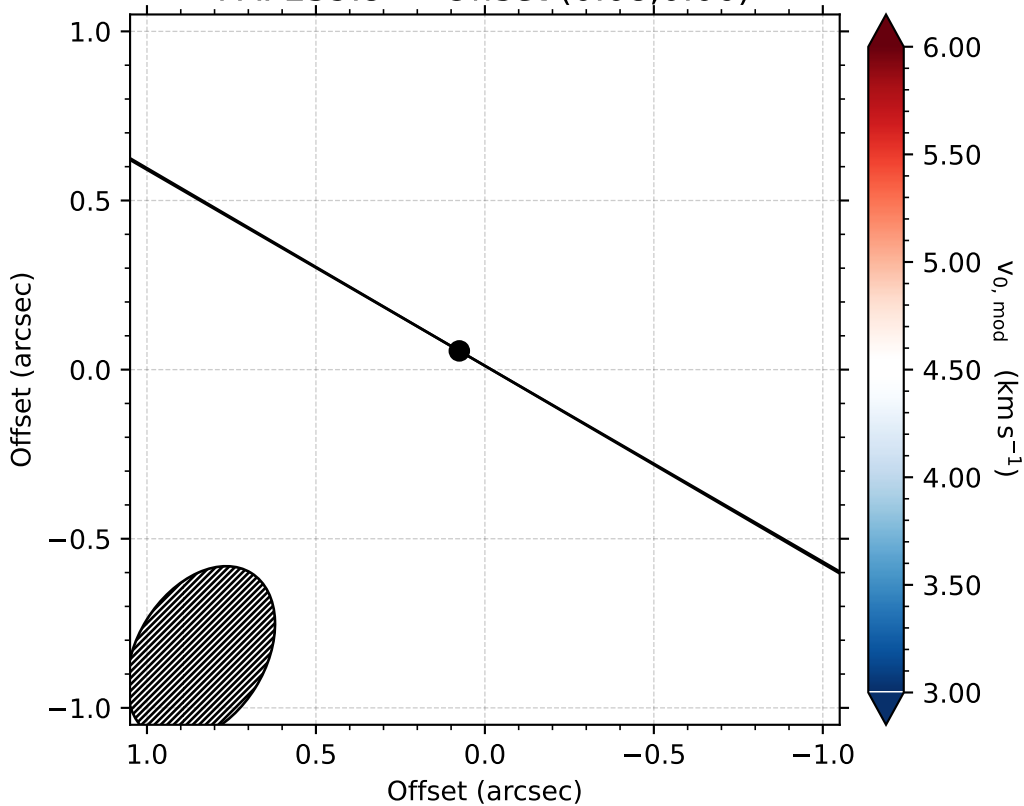
# HP\_Tau

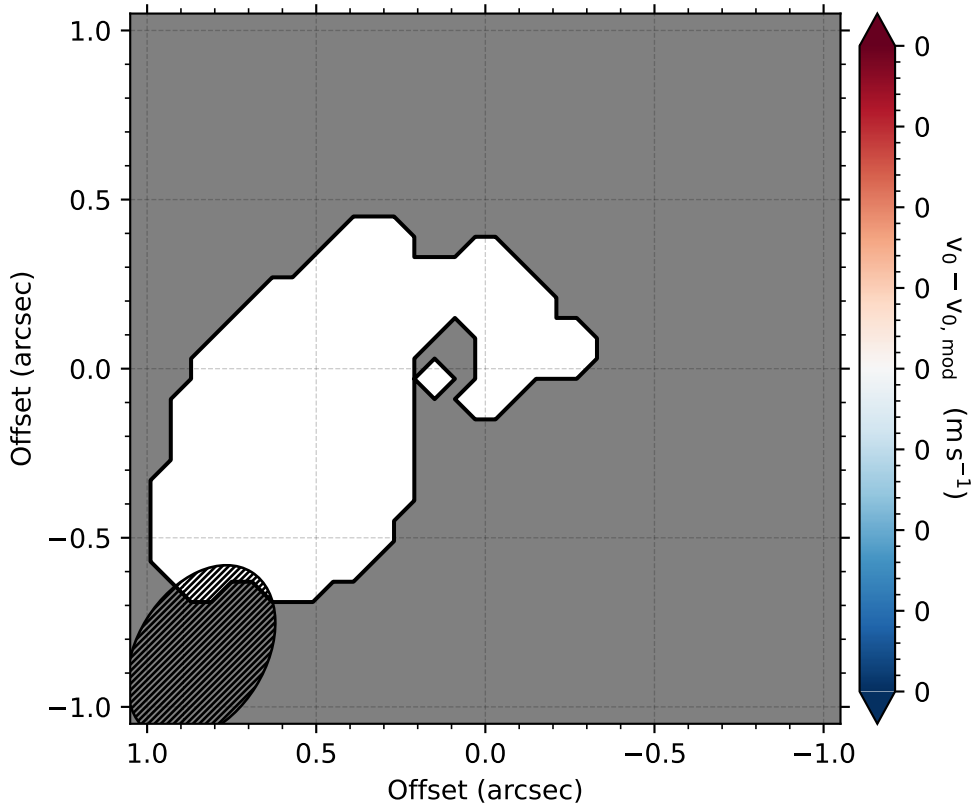
Masked Data, with Background Subtraction [km/s] = None



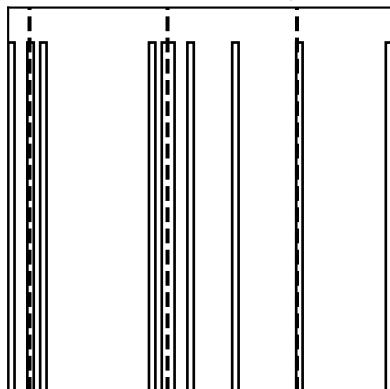
HP

PA:  $239.8^\circ$  -- Offset (0.08,0.06)

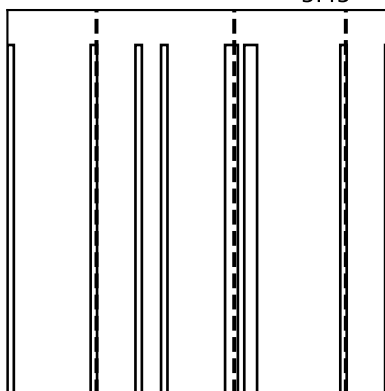




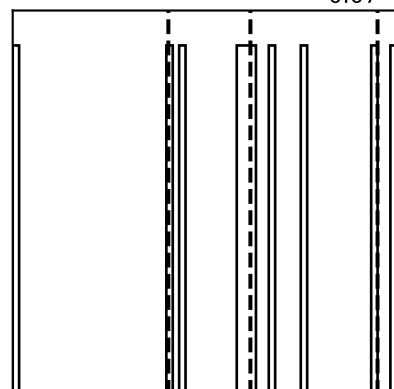
PA =  $239.80^{+0.10}_{-0.11}$



vlsr =  $4502.41^{+4.41}_{-5.45}$



mstar =  $-106.08^{+0.11}_{-0.07}$



vlsr

mstar

PA

vlsr

mstar

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, 70, 0, 70)

X-pos: 68.969988

Y-pos: 22.906346

X-offset: 0.08

Y-offset: 0.06

Literature PA: 56.5

Eddy PA: 240.05

Literature Mass [M]: -106.15

Eddy Mass [M]: -106.19

DECO Dict vsys [km/s]: 5.0

Eddy vlsr [m/s]: 4.5

Literature Inc: 18.3

Eddy Inc: --

Literature Distance [Mpc]: 141.0

Eddy rmin, rmax ["]: (0.1, 2)

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

Velocity Mask: None

Background Velocity Removal: None

Notes: MCMC FAILS