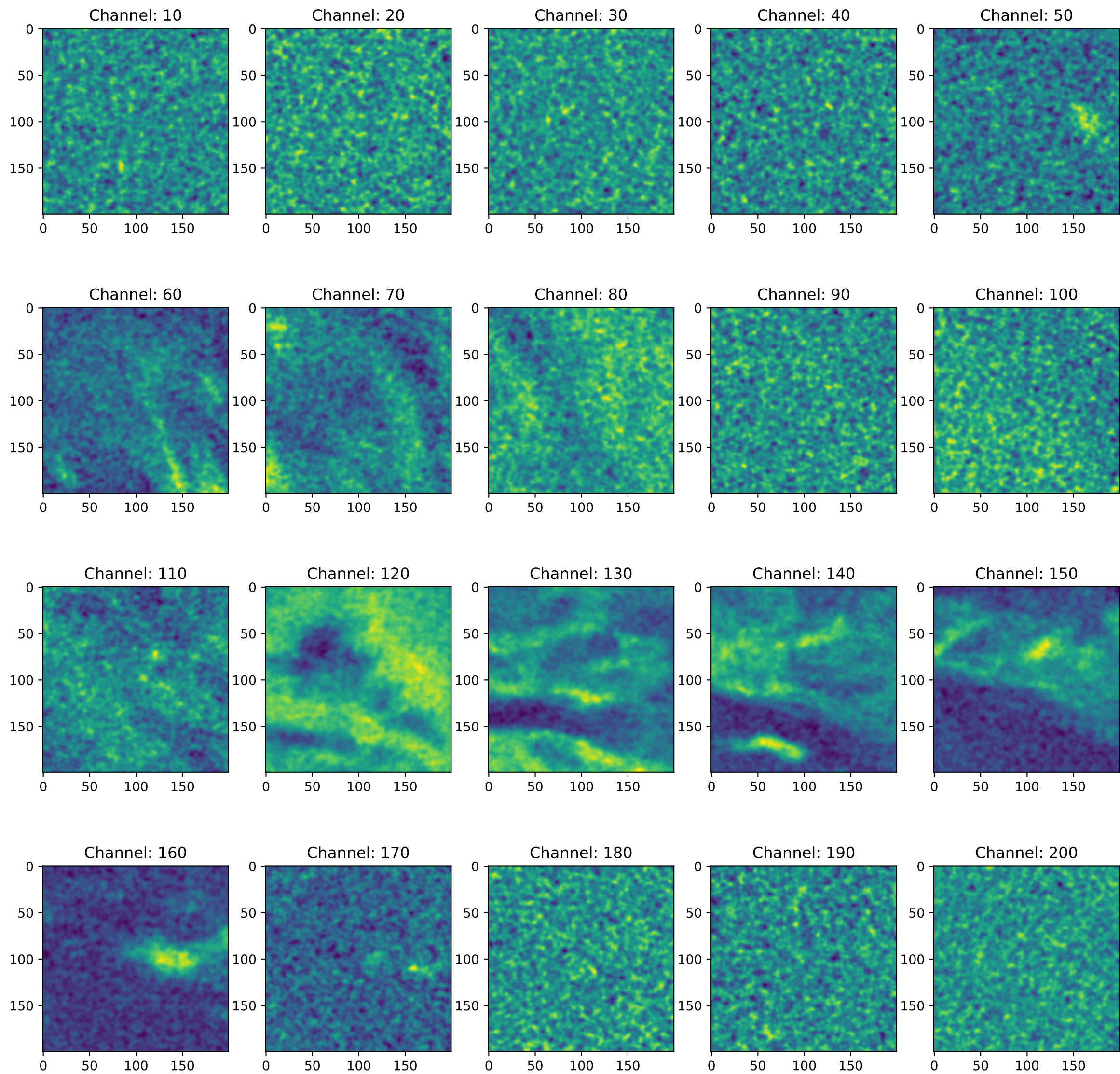


## J162616.8-242223, CO



# Continuum Stamp

pos.eq.dec

$-24^{\circ}22'41''$

42"

43"

16<sup>h</sup>26<sup>m</sup>18.20<sup>s</sup> 18.15<sup>s</sup> 18.10<sup>s</sup> 18.05<sup>s</sup> 18.00<sup>s</sup>

pos.eq.ra

0.8

0.6

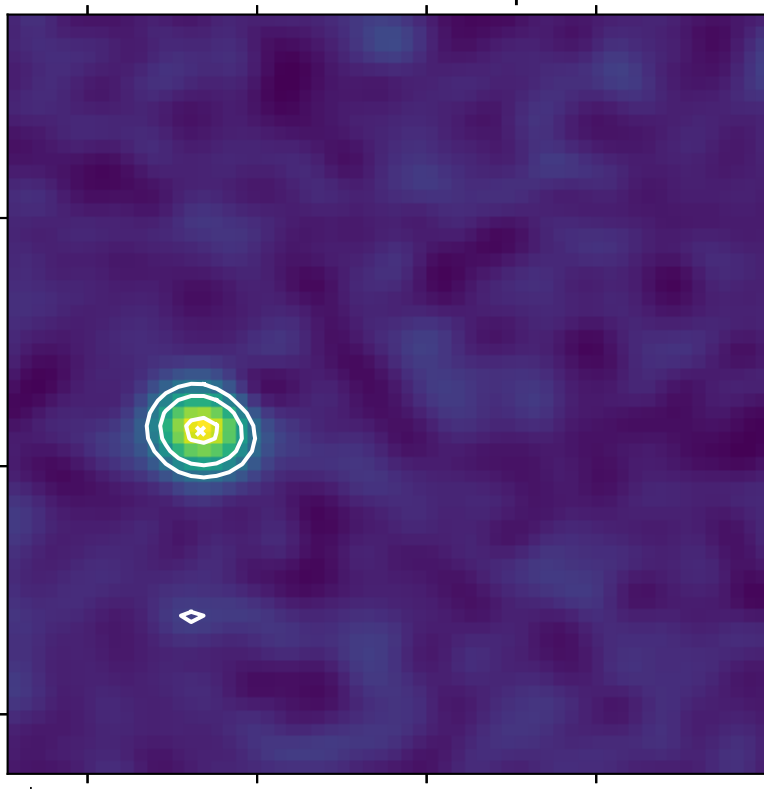
0.4

0.2

0.0

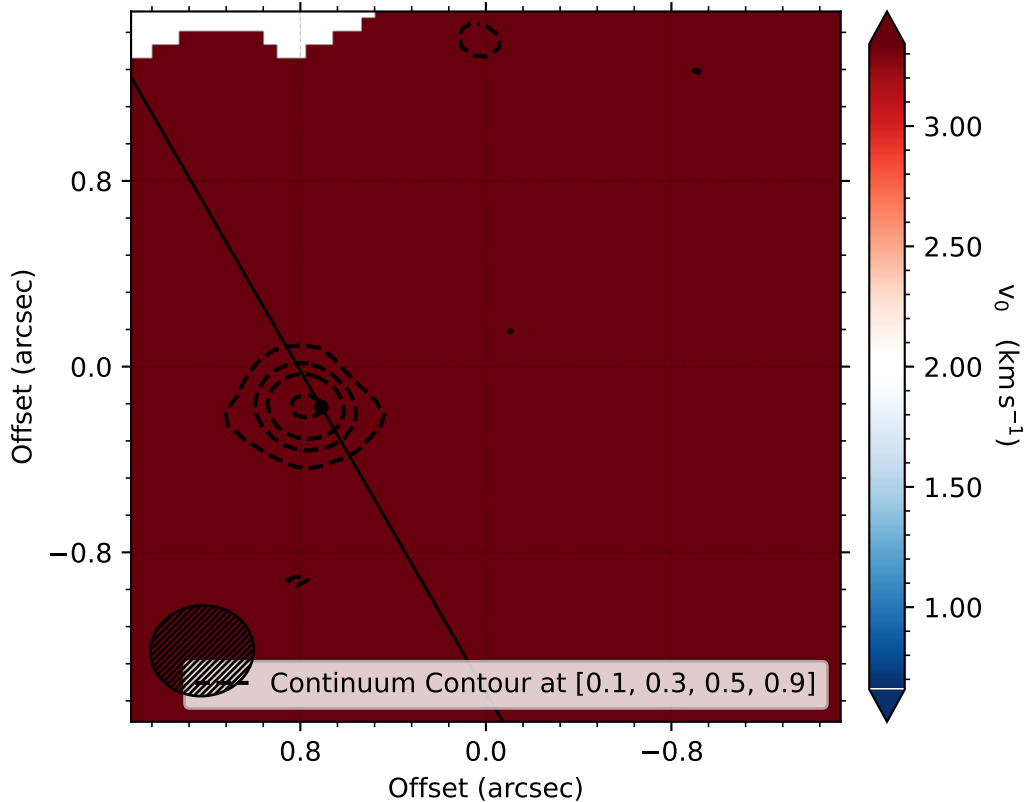
0.0025

x



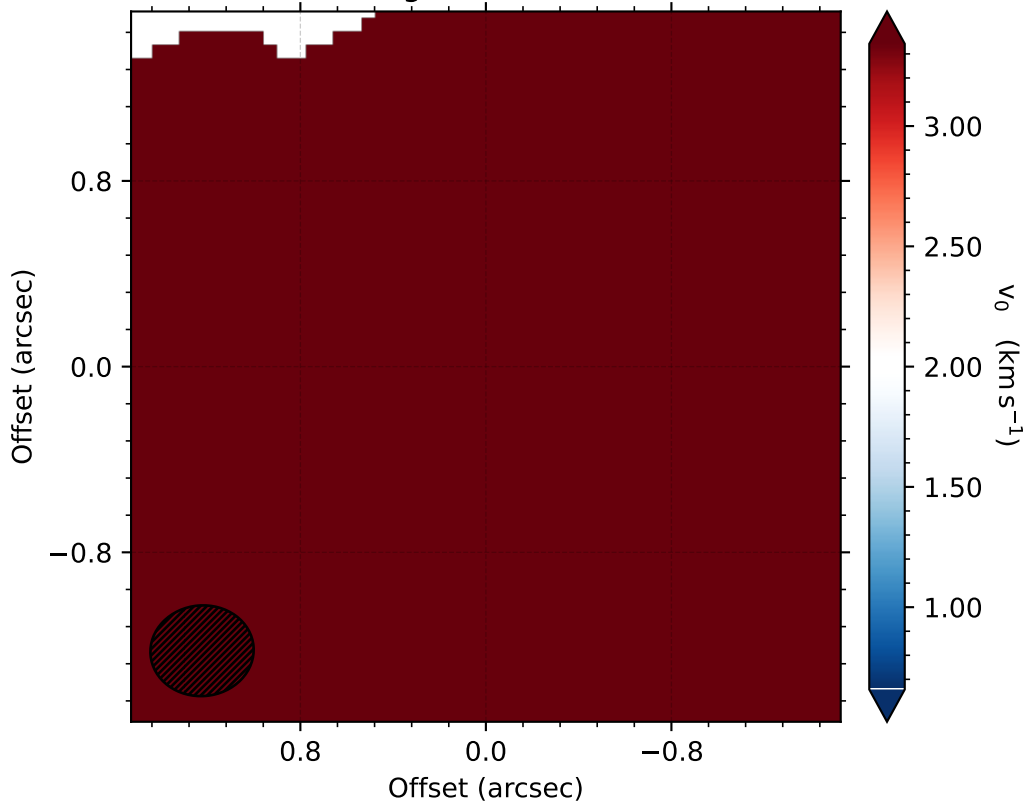
J162616.8-242223

Channels: 0-100,140-200



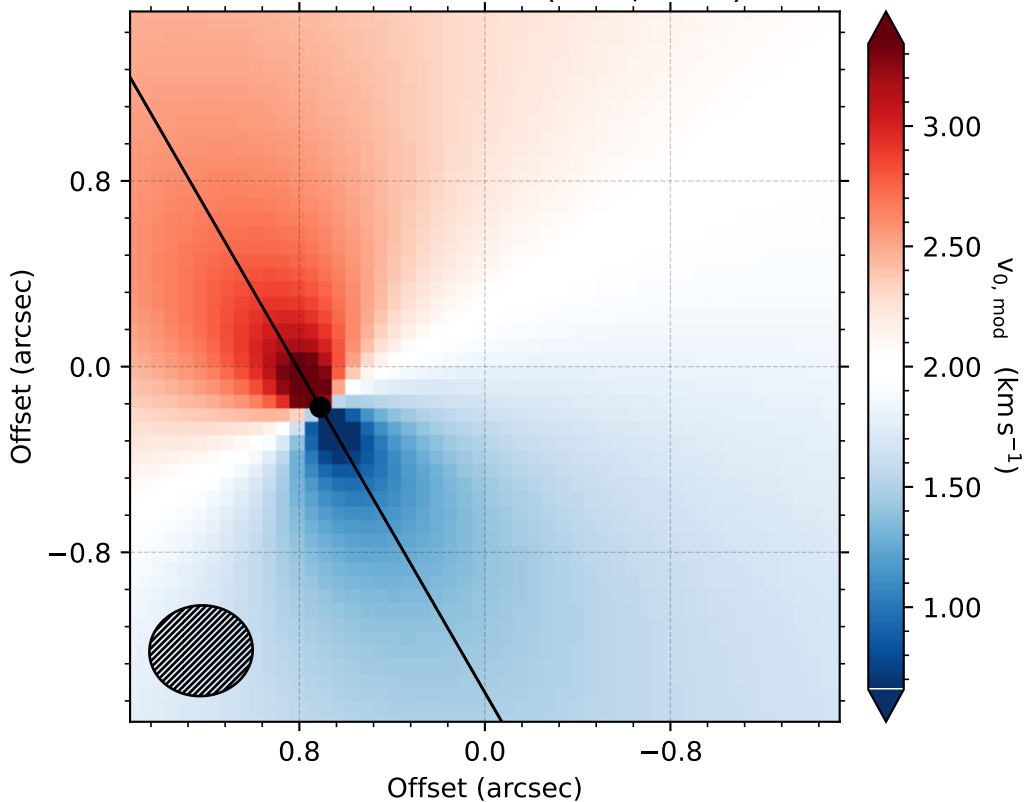
J162616.8-242223

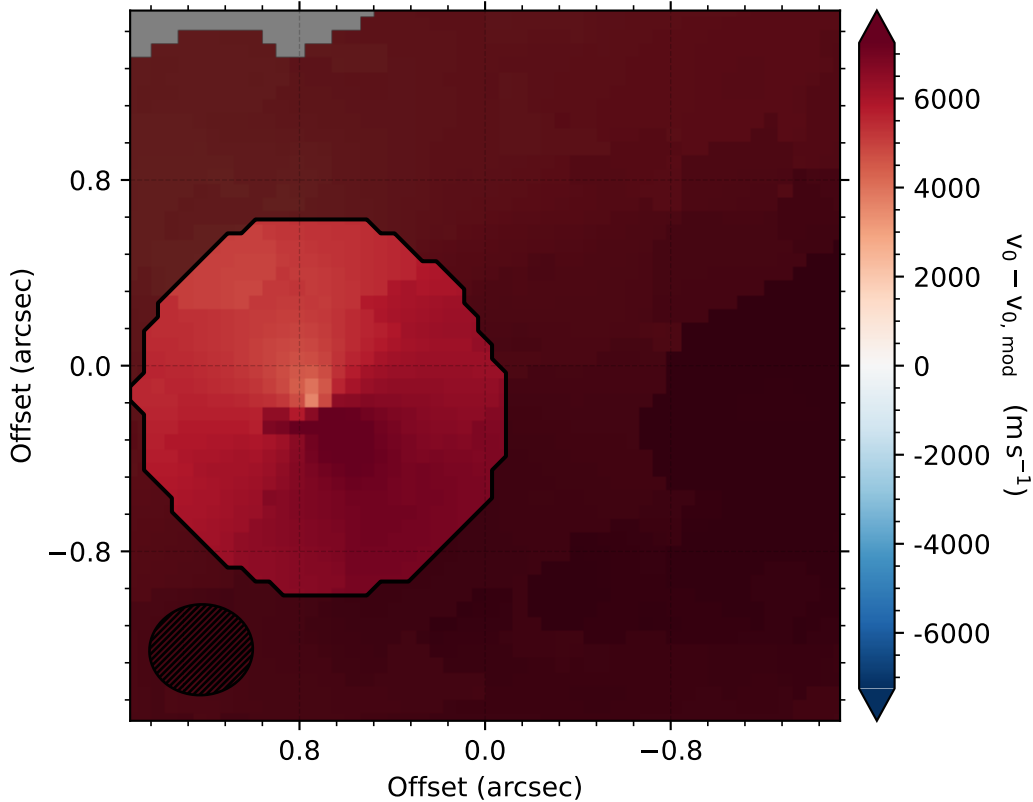
Masked Data, with Background Subtraction [km/s] = None



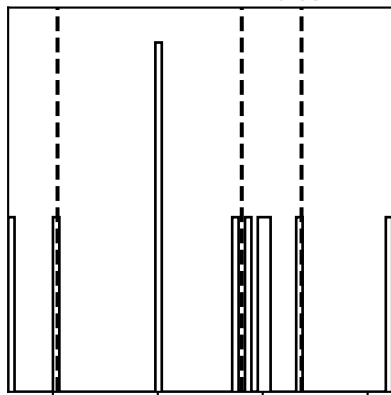
J162616.8-242223

PA:  $30.0^\circ$  -- Offset (0.71,-0.17)

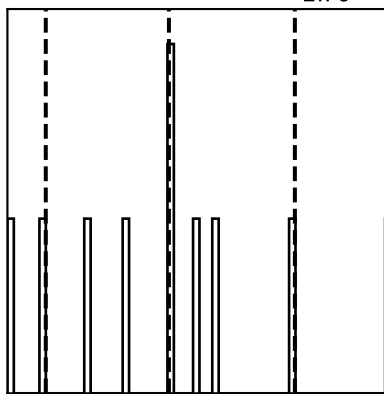




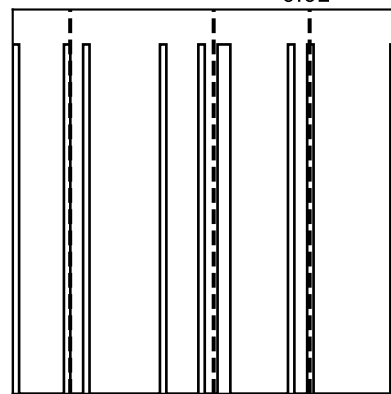
PA =  $30.01^{+0.01}_{-0.03}$



vlsr =  $2000.49^{+2.83}_{-2.76}$



inc =  $19.99^{+0.01}_{-0.02}$



vlsr

2004

2002

2000

1998

inc

20.005

19.990

19.975

29.980

29.995

30.010

30.025

PA

1998

2000

2002

2004

vlsr

19.975

19.990

20.005

inc

Name: J162616.8-242223

Region: ROph

File: /Users/calebpainter/Downloads/DECO/fits\_files/ROph/J162616.8-242223\_CO\_230.538GHz.image.fits

Emmision Line: CO

Channels: (0, 100, 140, 200)

X-pos: 246.570167

Y-pos: -24.373279

X-offset: 0.71

Y-offset: -0.175

Literature PA: --

Eddy PA: 30.01

Literature Mass [M]: 0.54

Eddy Mass [M]: --

DECO Dict vsys [km/s]: 4.5

Eddy vlsr [m/s]: 2.0

Literature Inc: --

Eddy Inc: 19.99

Literature Distance [Mpc]: 137.42

Eddy rmin, rmax ["]: (0, 0.8)

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

Velocity Mask: None

Background Velocity Removal: None

Notes: MCMC FAILS, too many clouds