Figure 1: Interpolation using splines of the time averaged density depth profile.
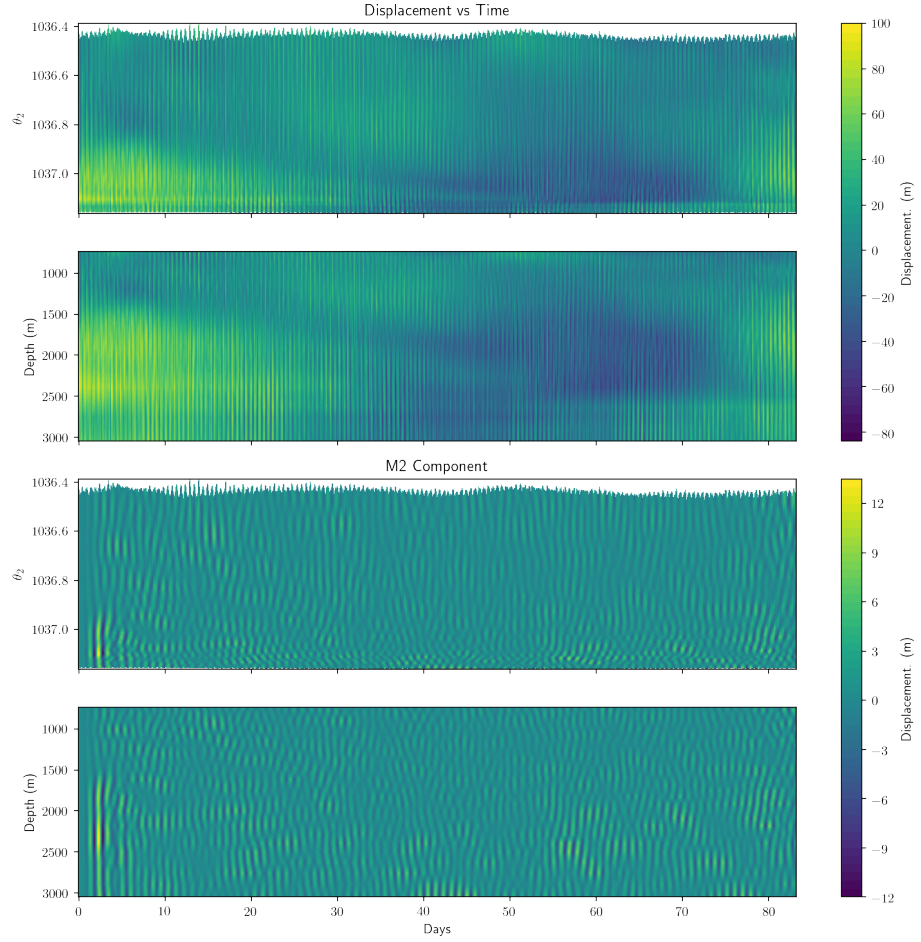
Figure 2: Depth time series of displacements calculated from temperature and salinity. Filtered with a bandpass filter centered around M2 with a half-width of 0.01 cph.
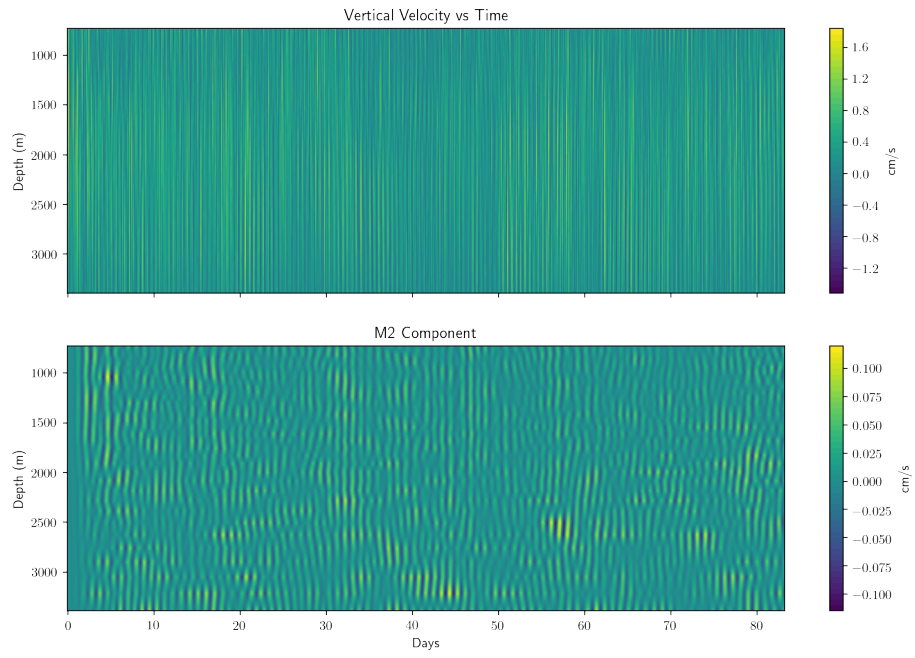
Figure 3: Depth time series of vertical velocities.Filtered with a bandpass filter centered around M2 with a half-width of 0.01 cph.
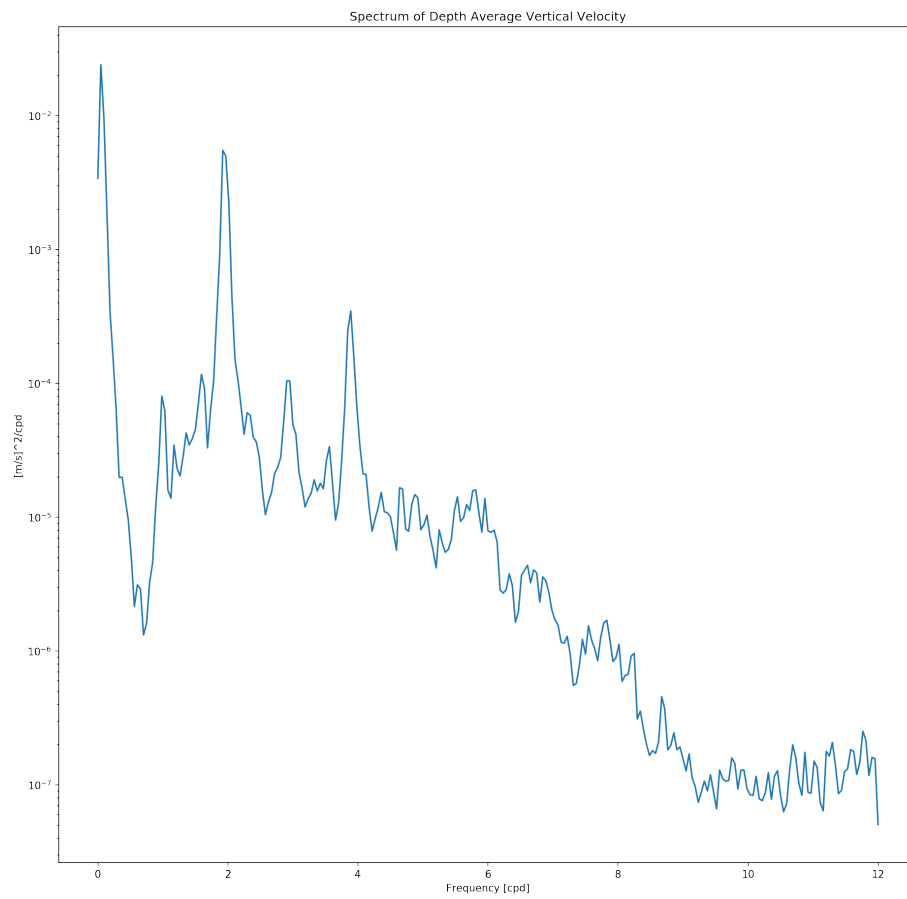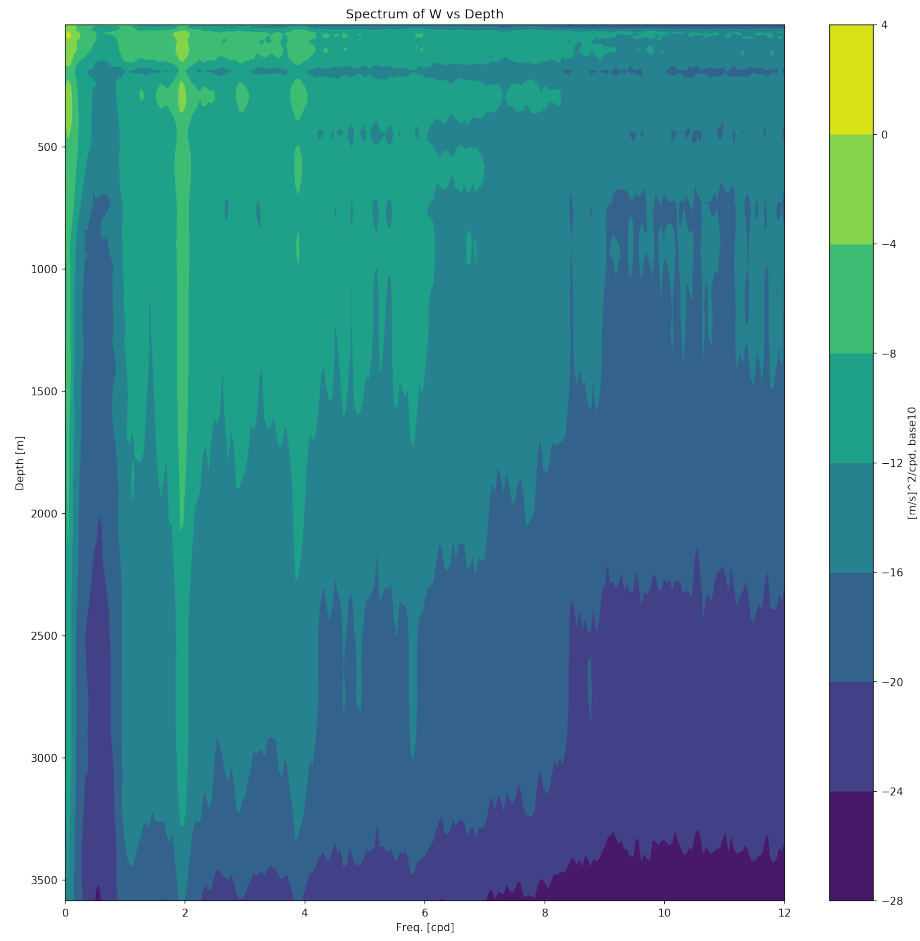
Figure 4: Power spectra depth average vertical velocity

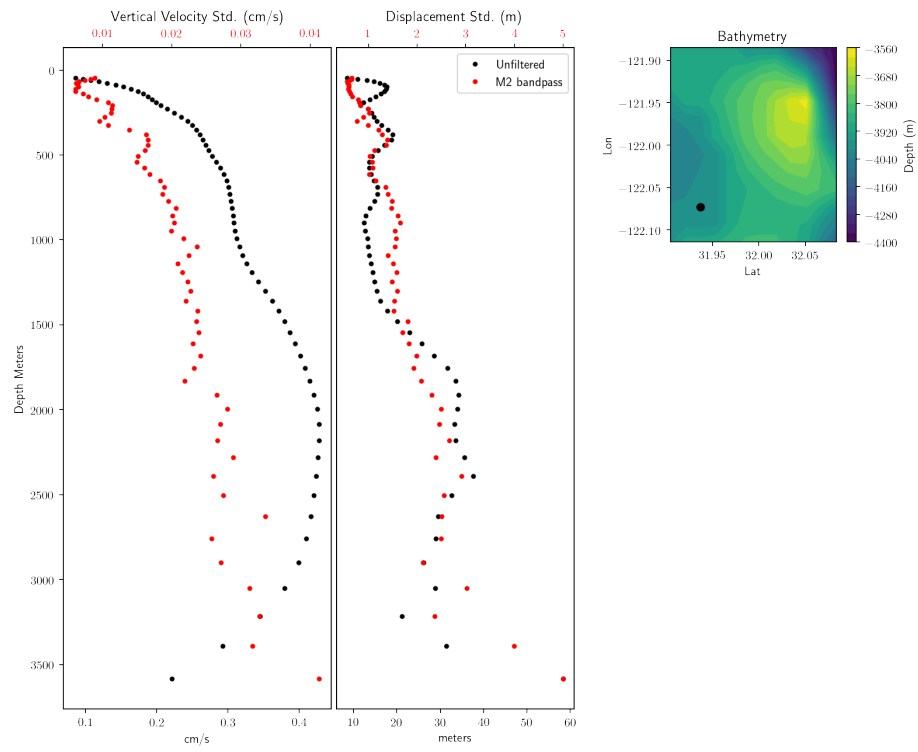Figure 5: Power spectra vertical velocity versus depth

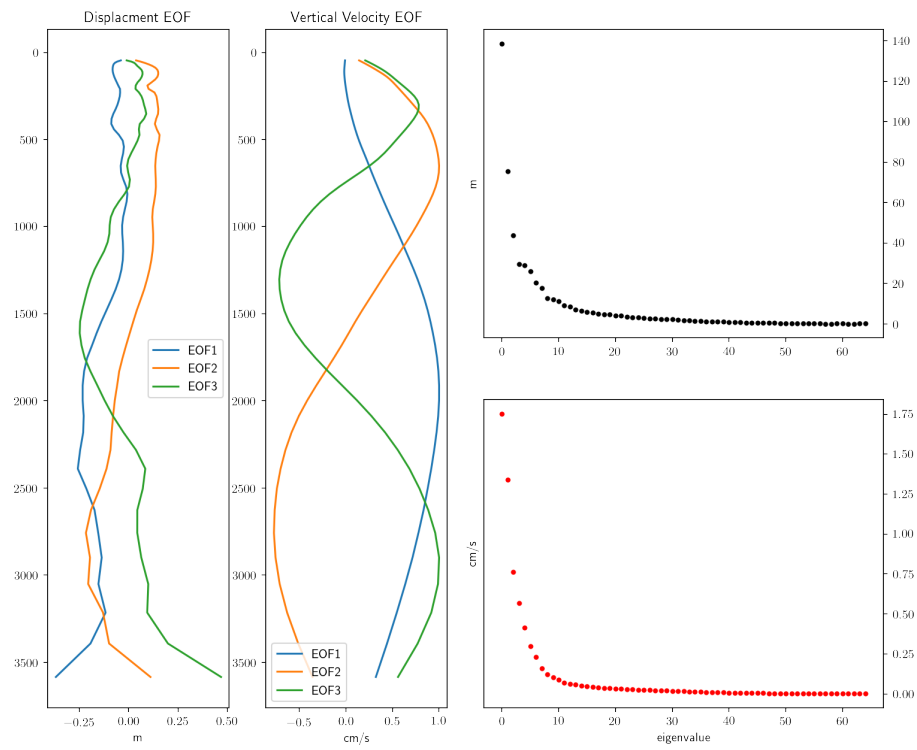Figure 6: Variance of displacment and vertical velocity over depth.
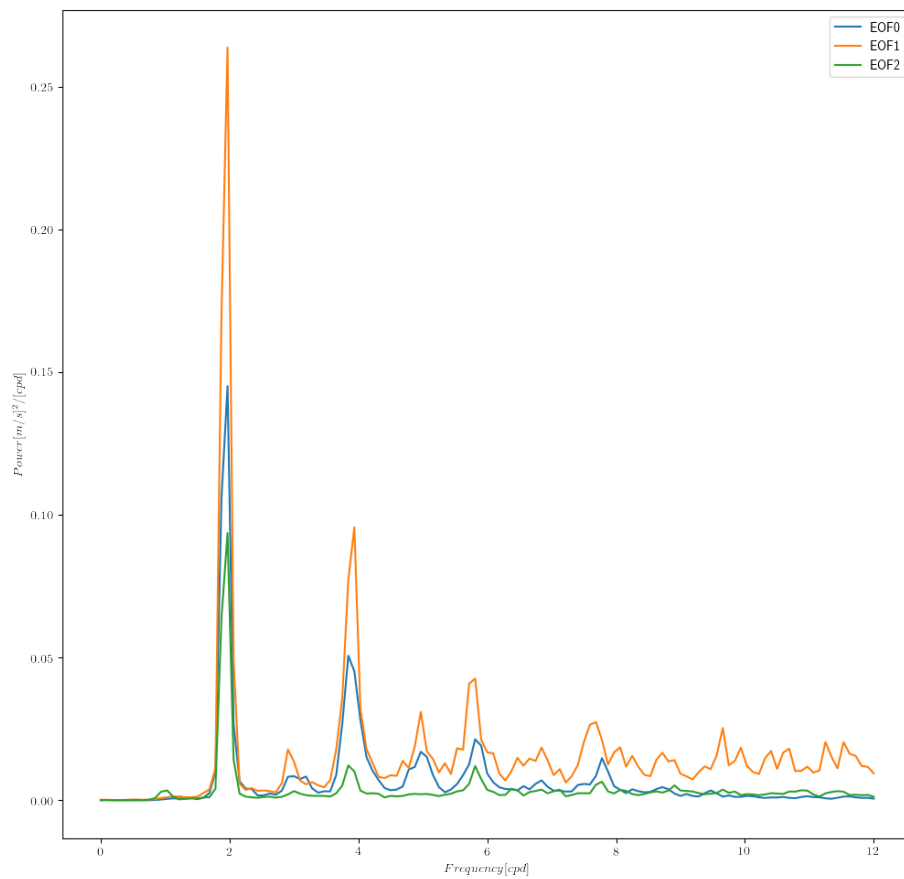
Figure 7: EOFs of Vertical Velocity and Displacment.
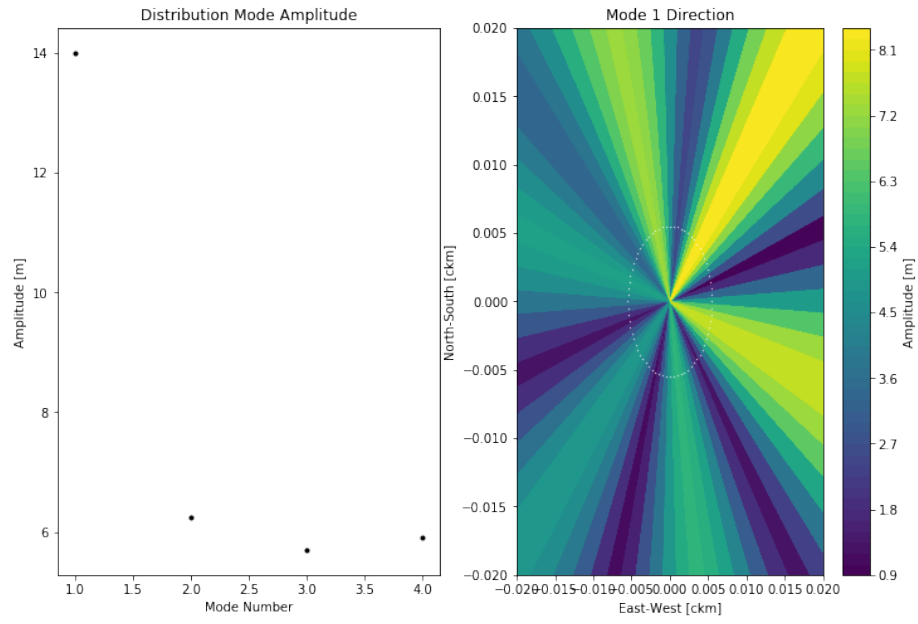
Figure 8: Power spectra of each EOF
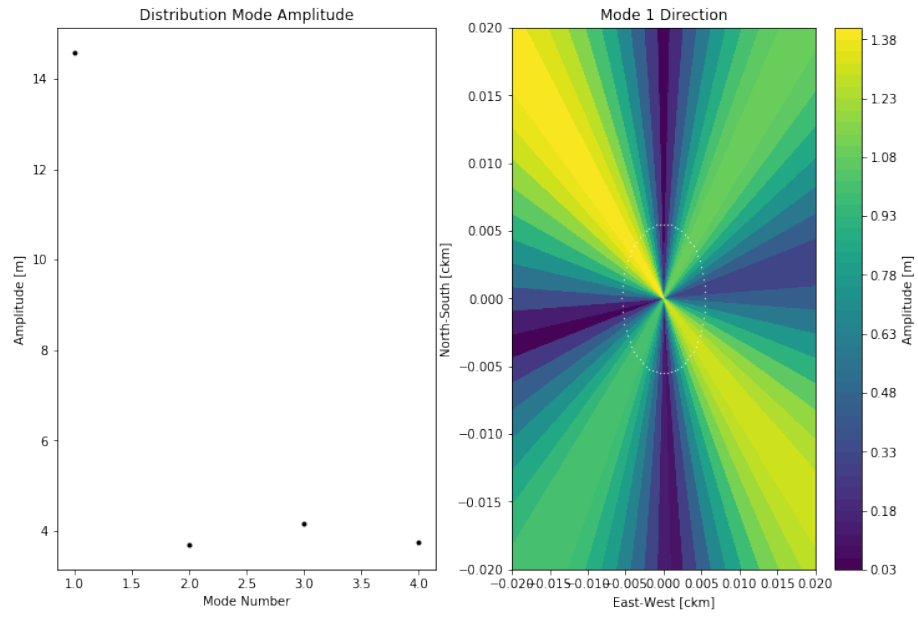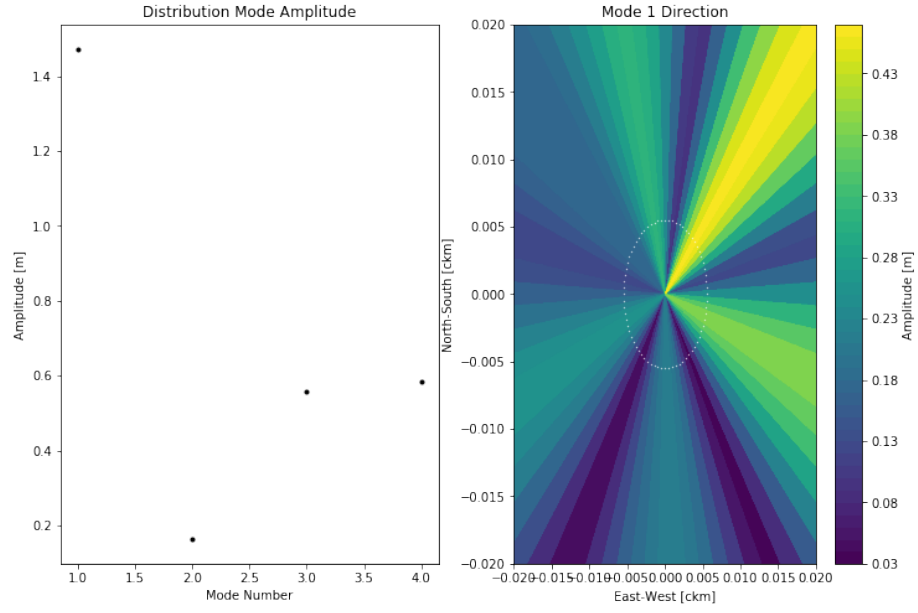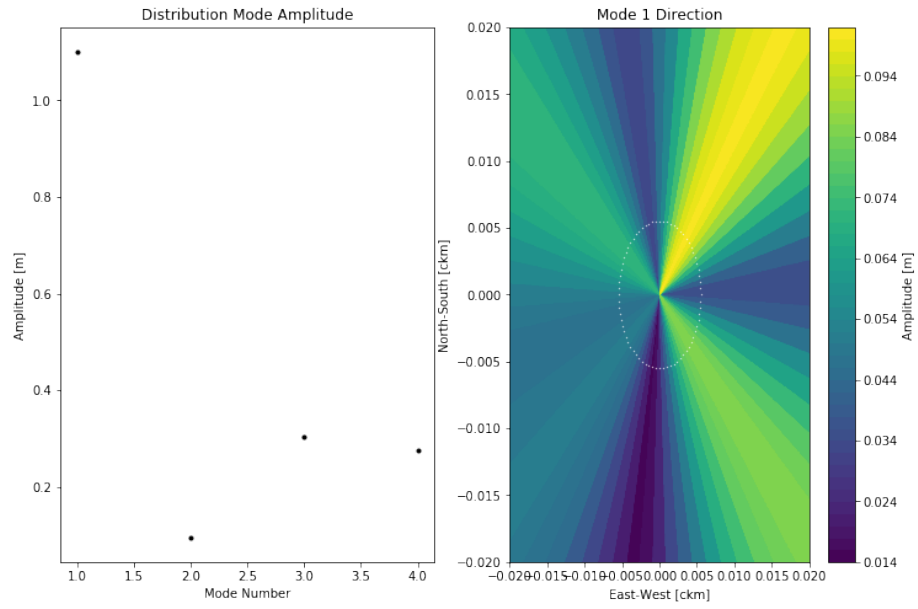
Figure 9: Fit No Priors



Figure 10: Fit Priors

Figure 11: Fit No Priors Bandpassed


Figure 12: Fit Priors Bandpassed

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