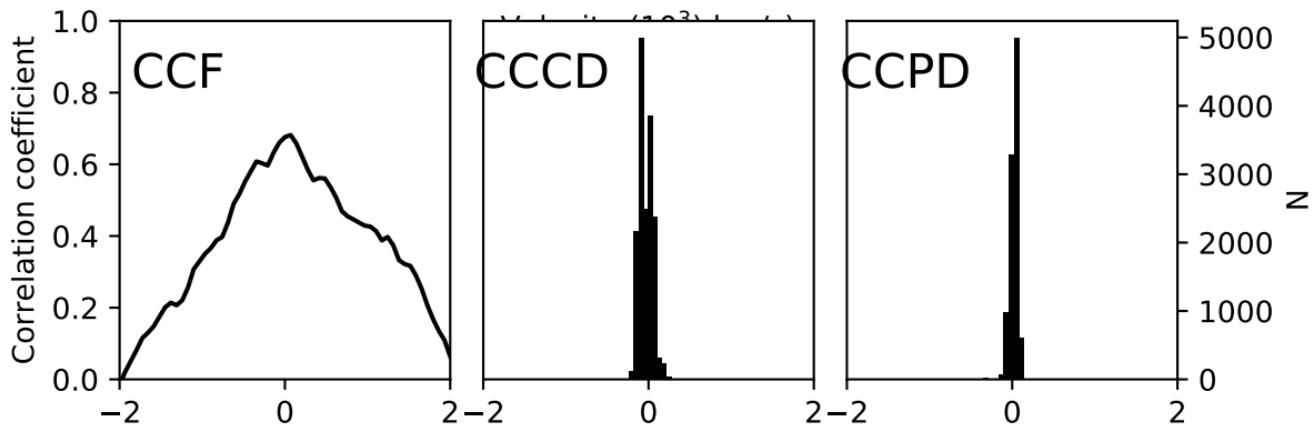
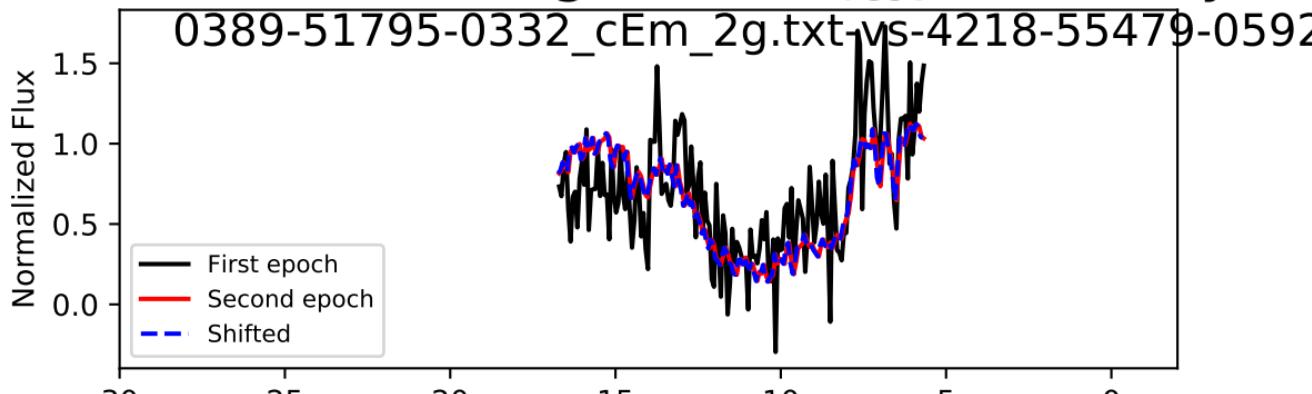
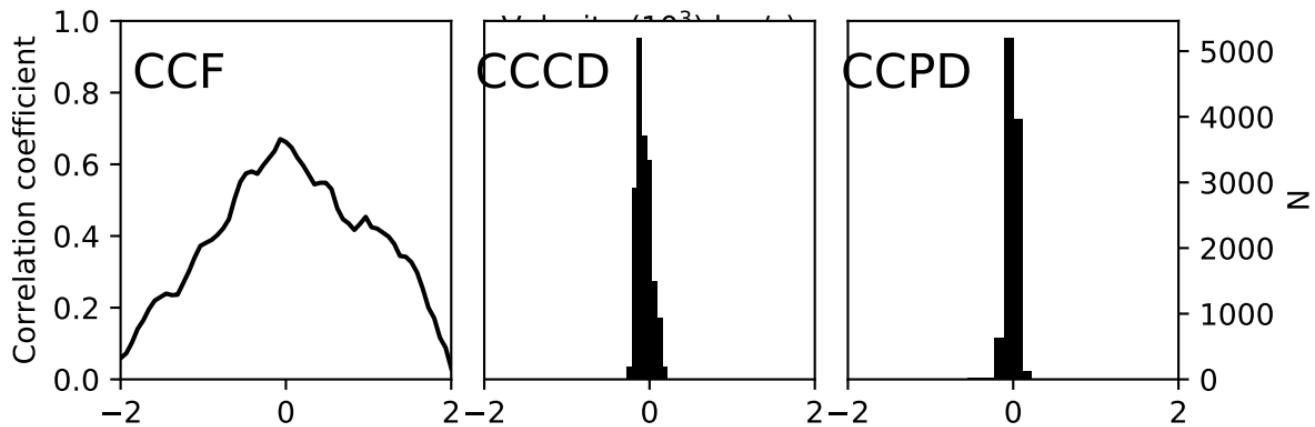
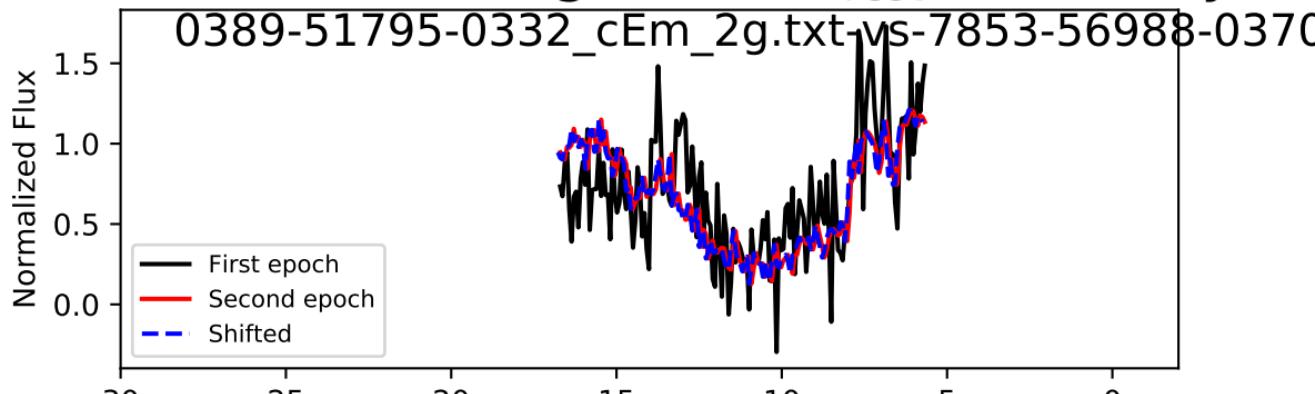


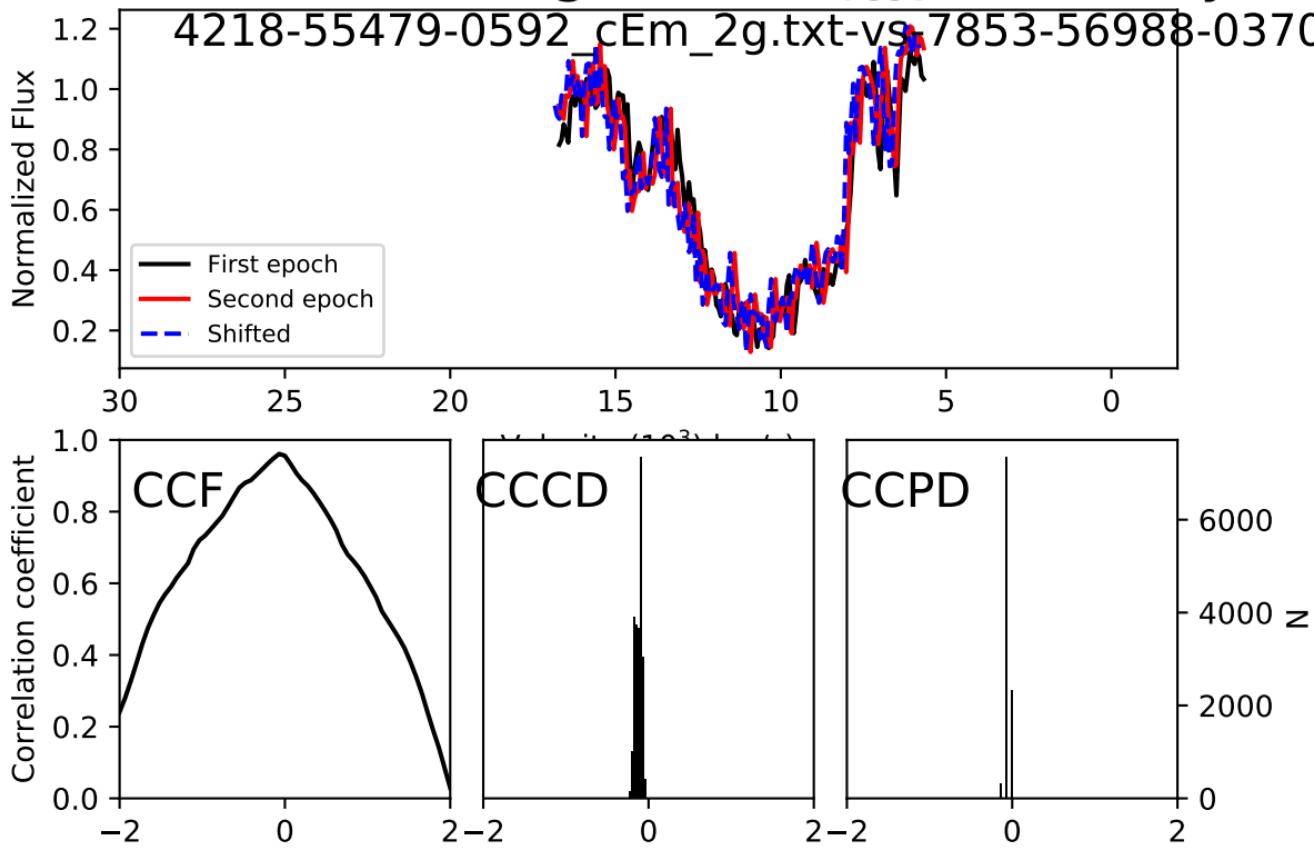
# Spectrum i = 0, Trough 0/0, $\Delta t_{\text{rest}} = 2.615$ years



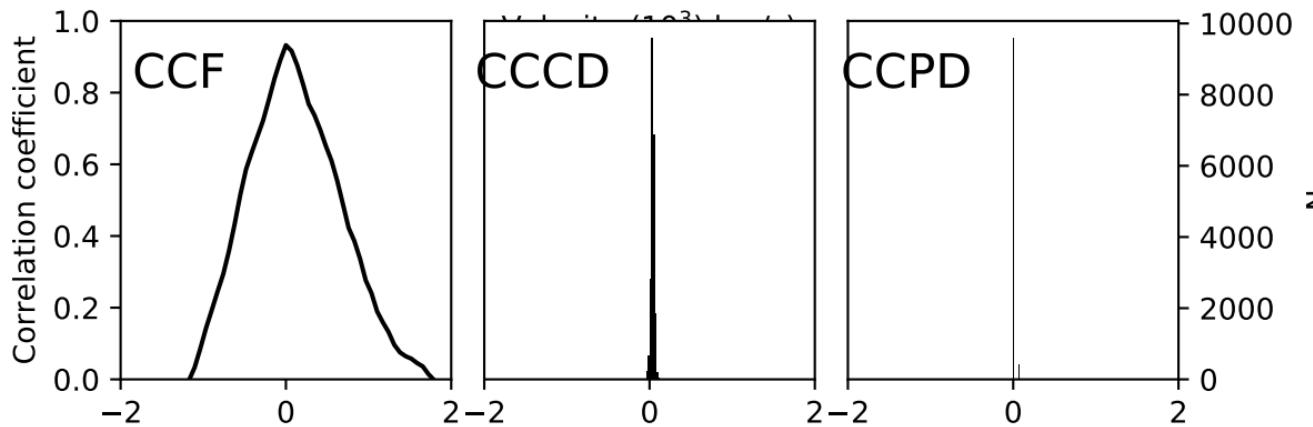
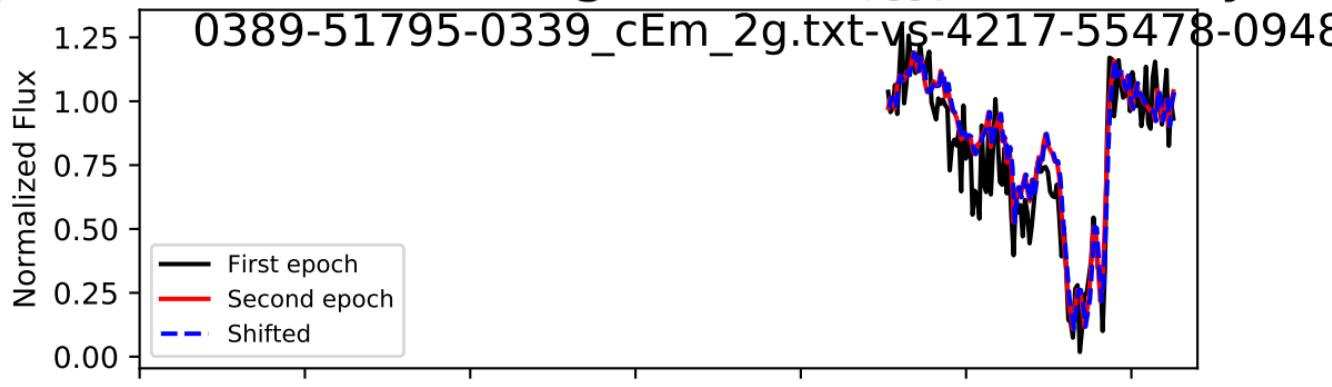
# Spectrum i = 0, Trough 0/0, $\Delta t_{\text{rest}} = 3.686$ years



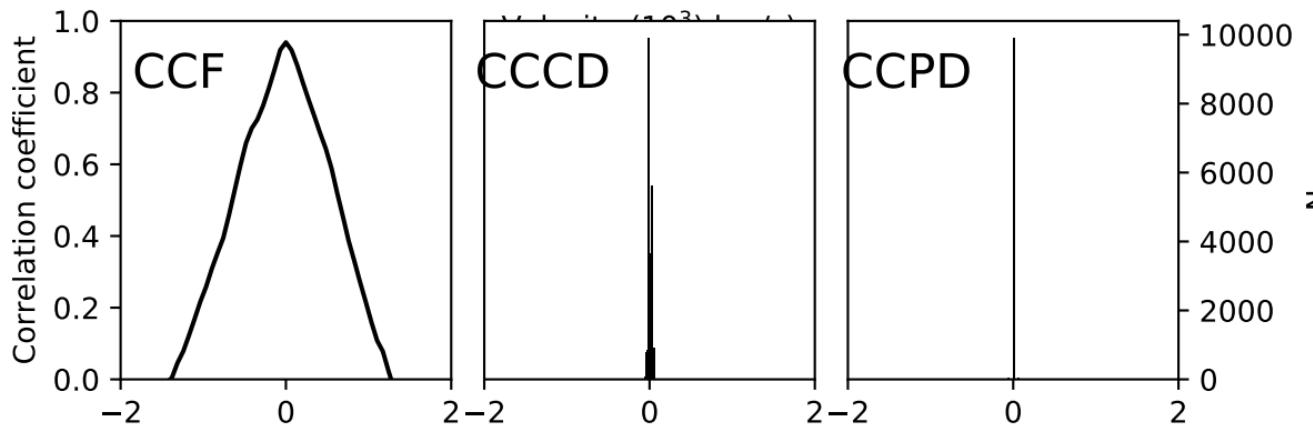
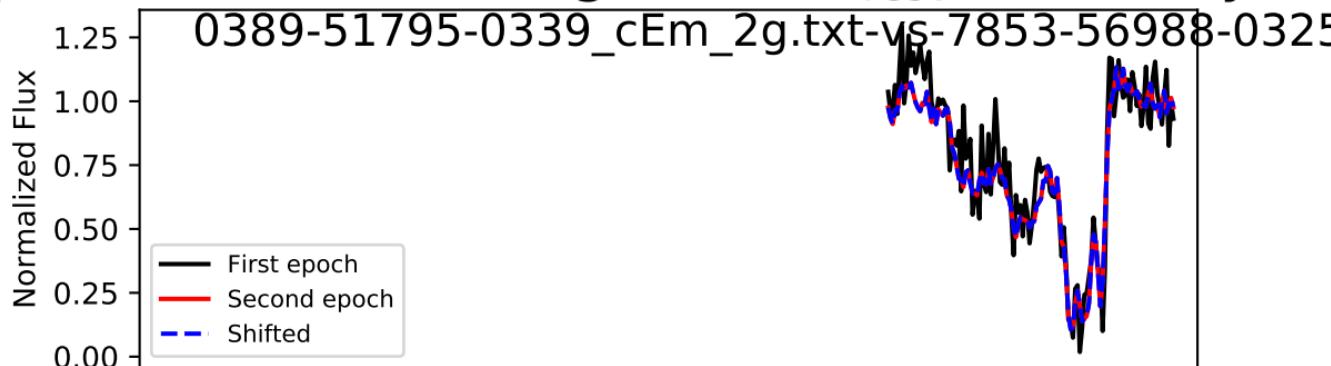
# Spectrum i = 0, Trough 0/0, $\Delta t_{\text{rest}} = 1.071$ year



# Spectrum i = 1, Trough 0/0, $\Delta t_{\text{rest}} = 3.054$ years

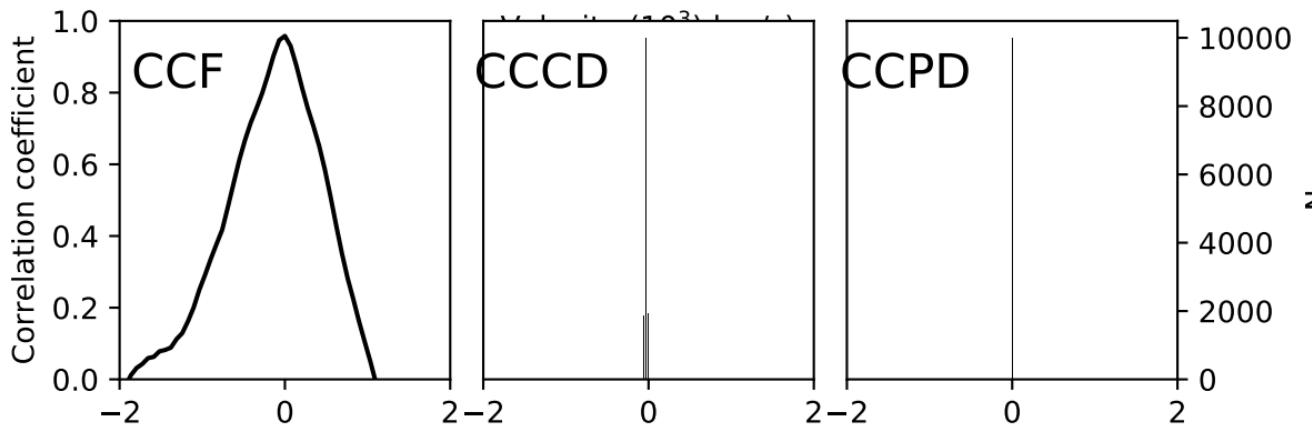
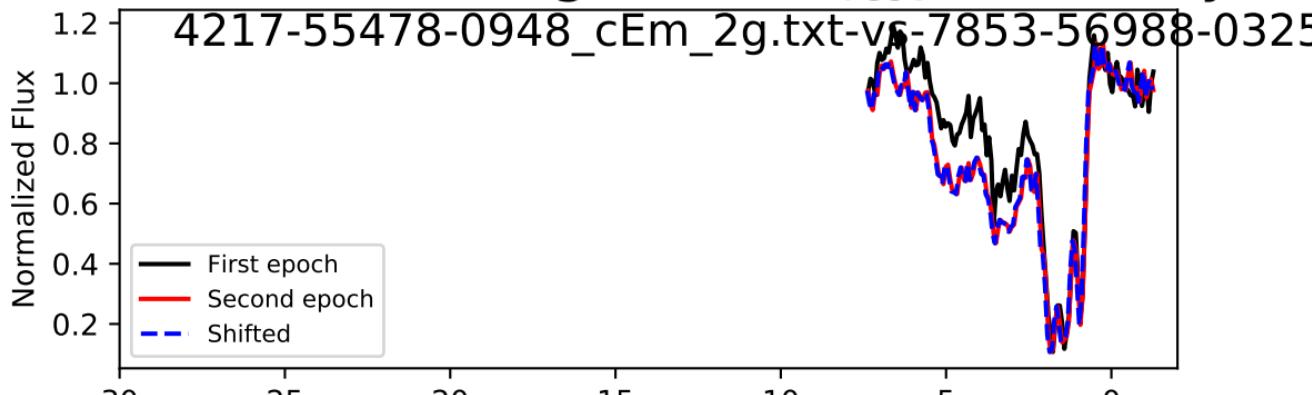


# Spectrum i = 1, Trough 0/0, $\Delta t_{\text{rest}} = 4.305$ years



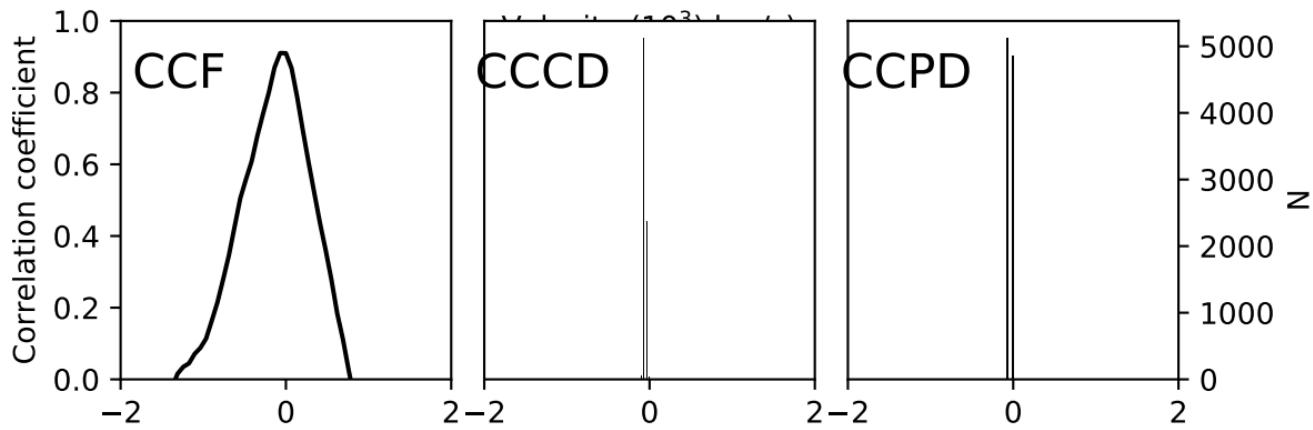
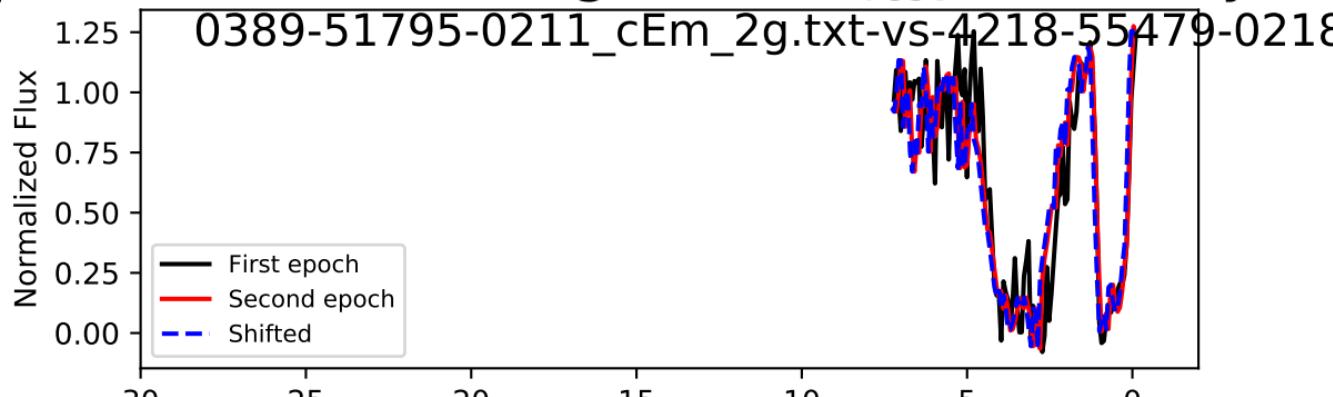
shift:  $1.3 + 31.5 - 1.8$  km/s, Accel:  $0.001 + 0.023 - 0.001$  cm

# Spectrum i = 1, Trough 0/0, $\Delta t_{\text{rest}} = 1.252$ year



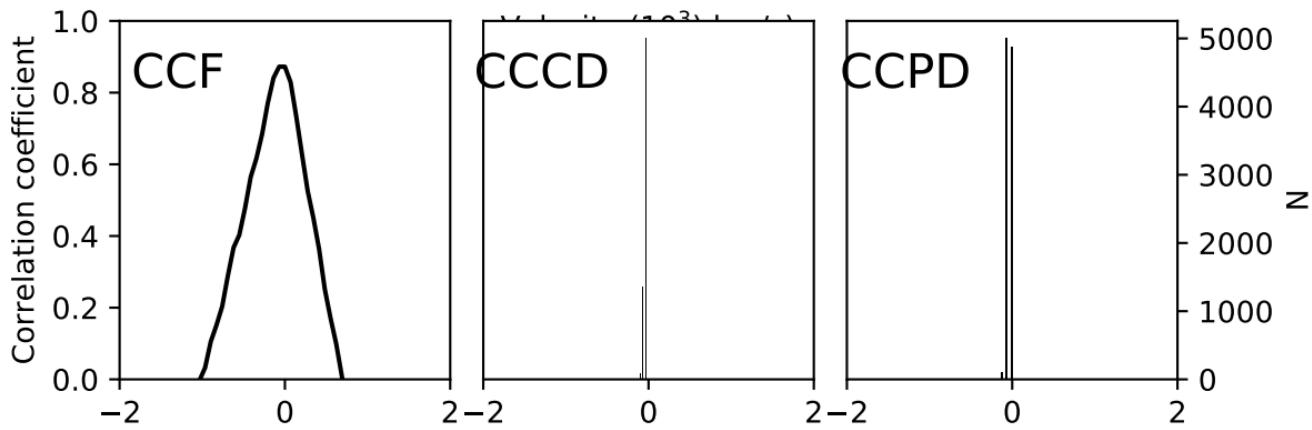
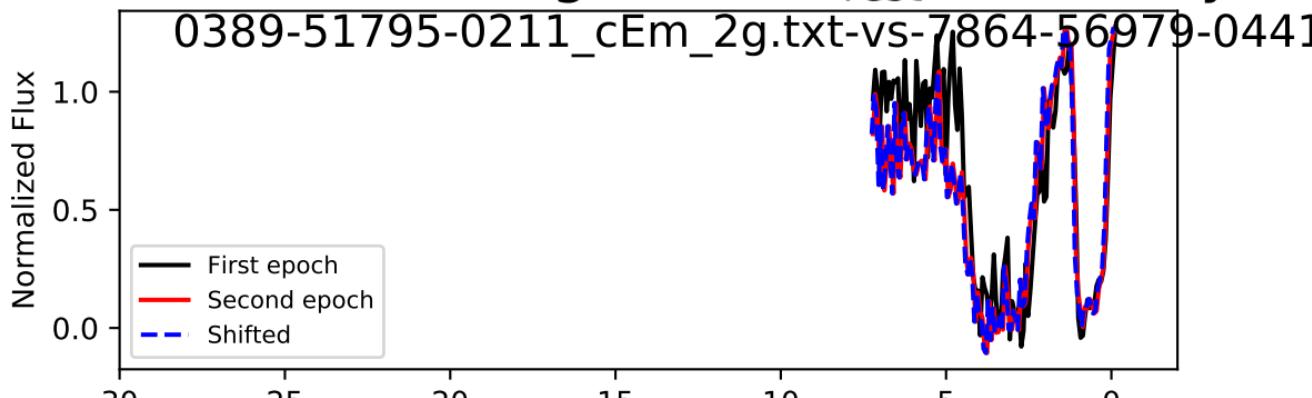
Shift: -32.8 + 0.9 - 0.9 km/s, Accel: -0.083+ 0.002 - 0.002 cm

# Spectrum i = 2, Trough 0/0, $\Delta t_{\text{rest}} = 3.598$ years



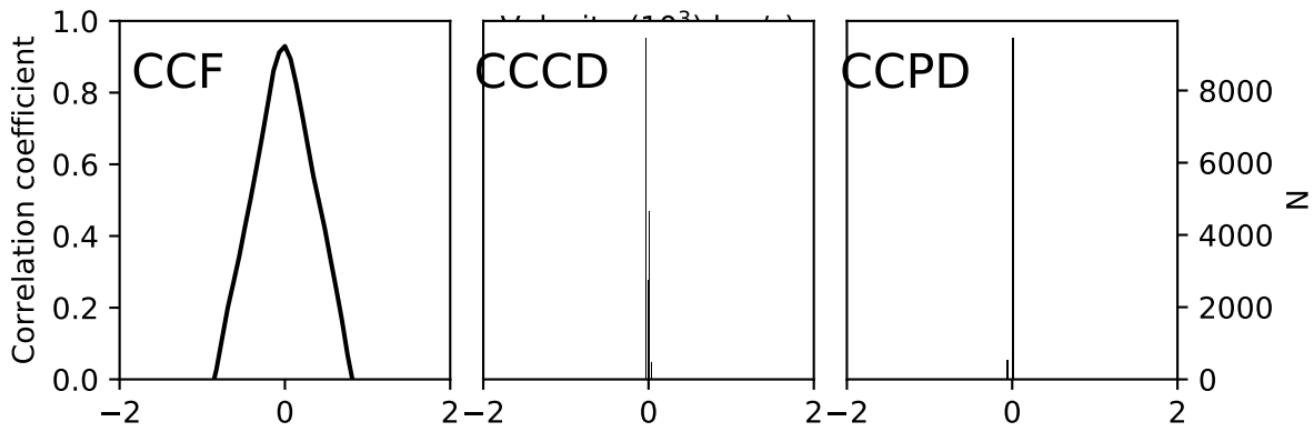
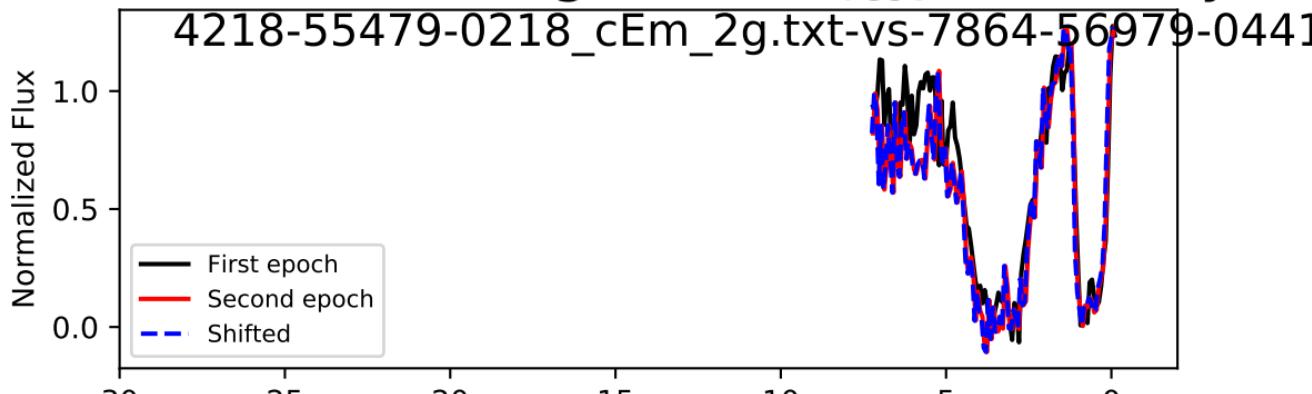
Shift: -65.3 + 31.0 - 1.6 km/s, Accel: -0.058+ 0.027 - 0.001 cm

# Spectrum i = 2, Trough 0/0, $\Delta t_{\text{rest}} = 5.063$ years



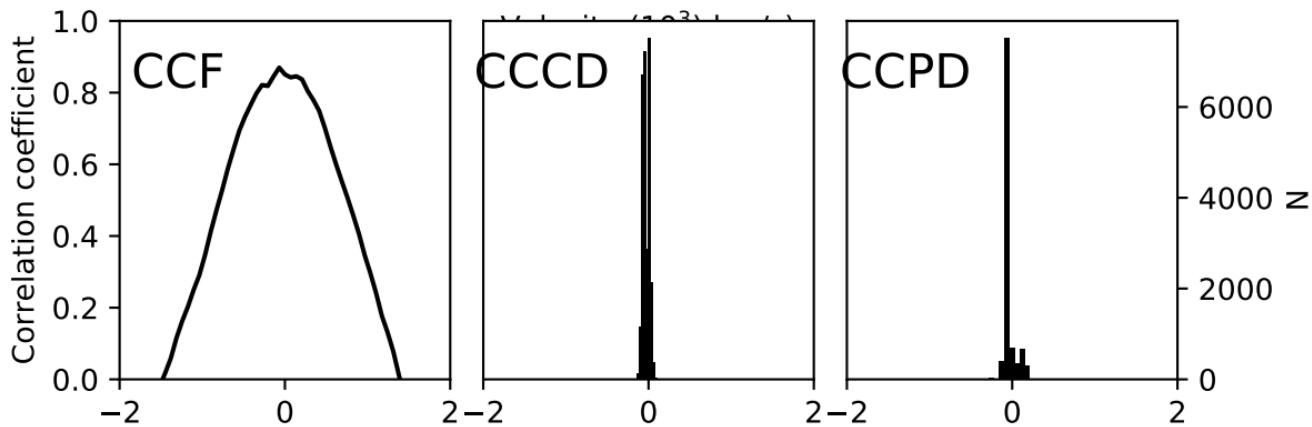
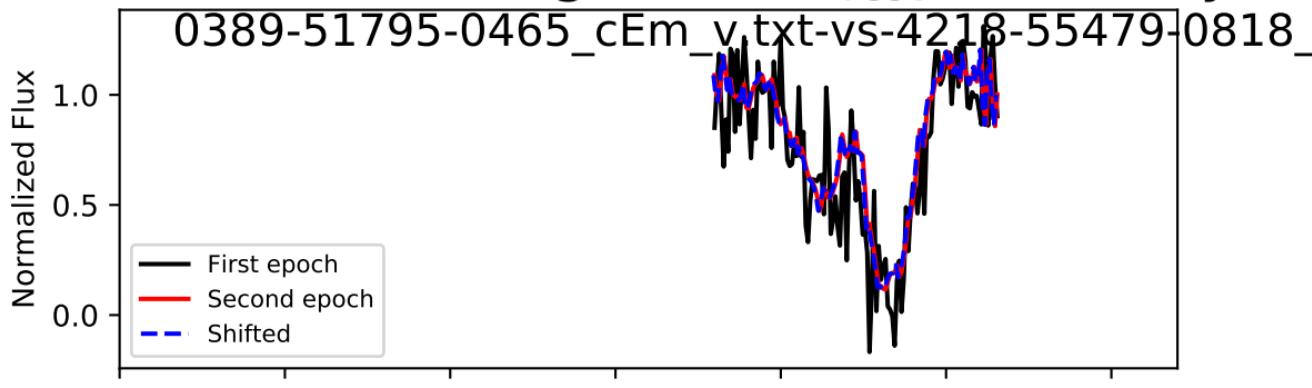
Shift:  $-36.3 + 1.4 - 30.4$  km/s, Accel:  $-0.023 + 0.001 - 0.019$  cm/s<sup>2</sup>

# Spectrum i = 2, Trough 0/0, $\Delta t_{\text{rest}} = 1.465$ year

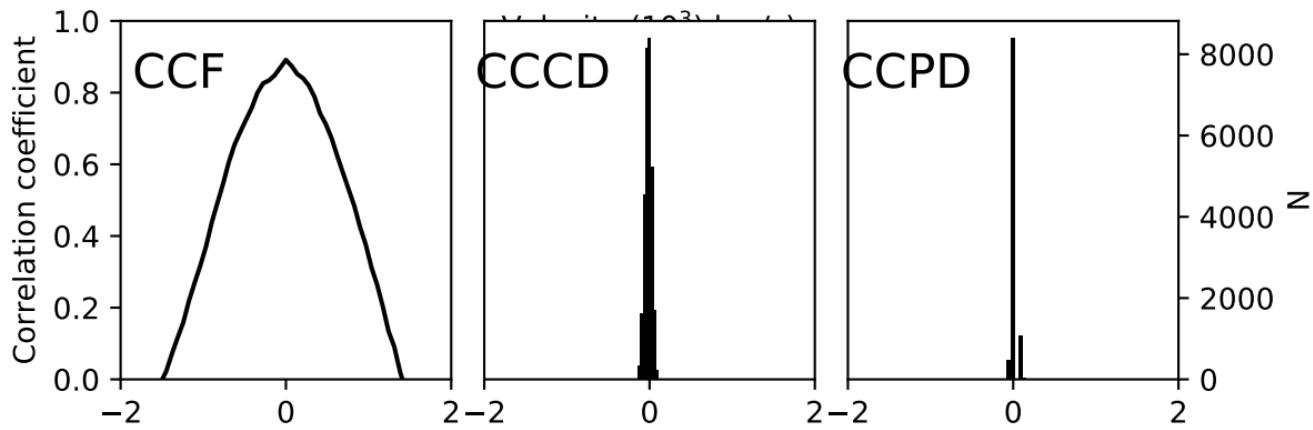
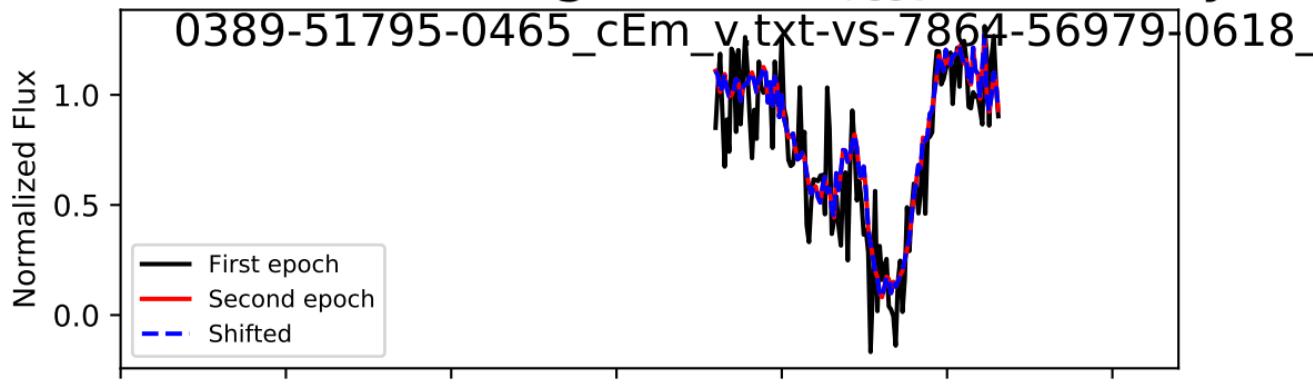


Shift:  $-31.2 + 30.4 - 1.5$  km/s, Accel:  $-0.068 + 0.066 - 0.003$  cm/s<sup>2</sup>

# Spectrum i = 3, Trough 0/0, $\Delta t_{\text{rest}} = 2.620$ years

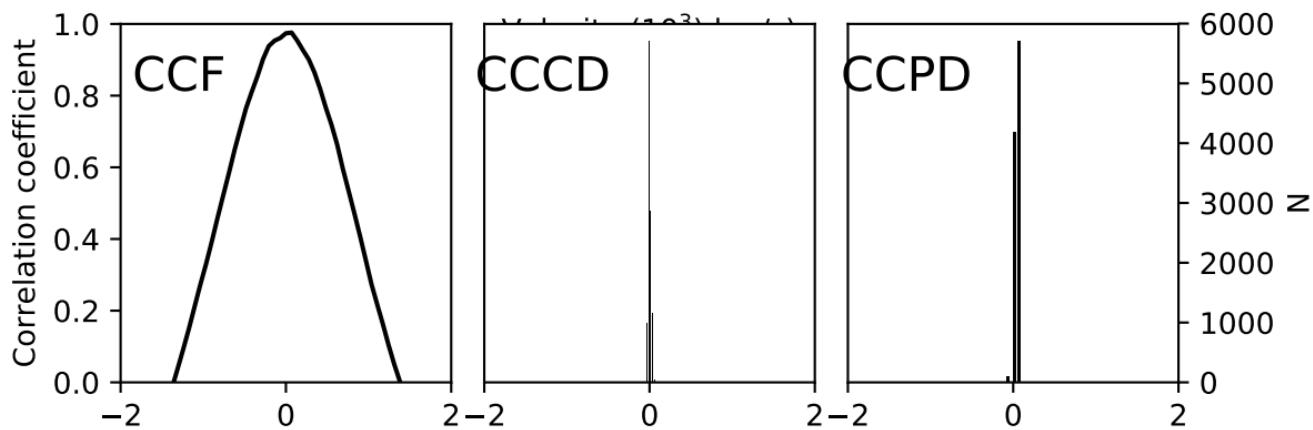
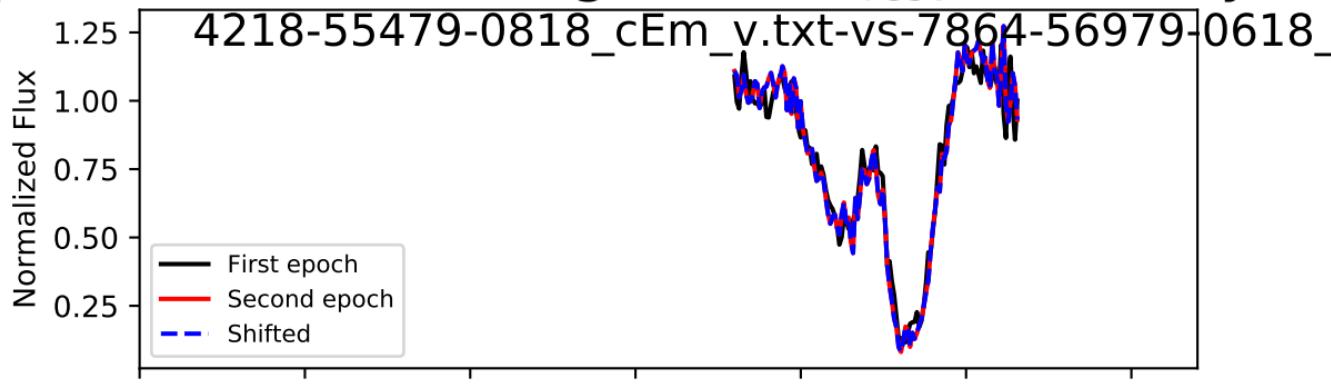


# Spectrum i = 3, Trough 0/0, $\Delta t_{\text{rest}} = 3.687$ years

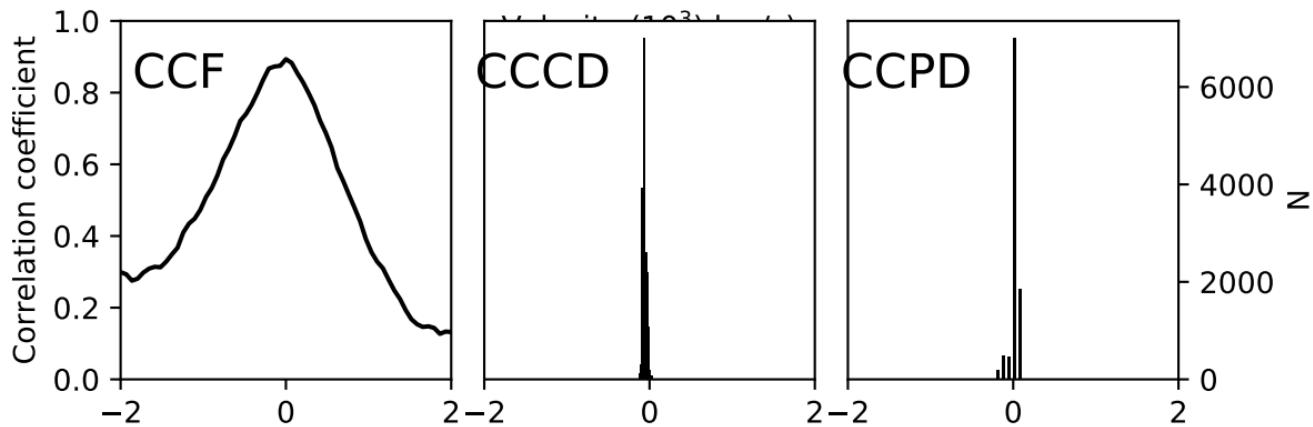
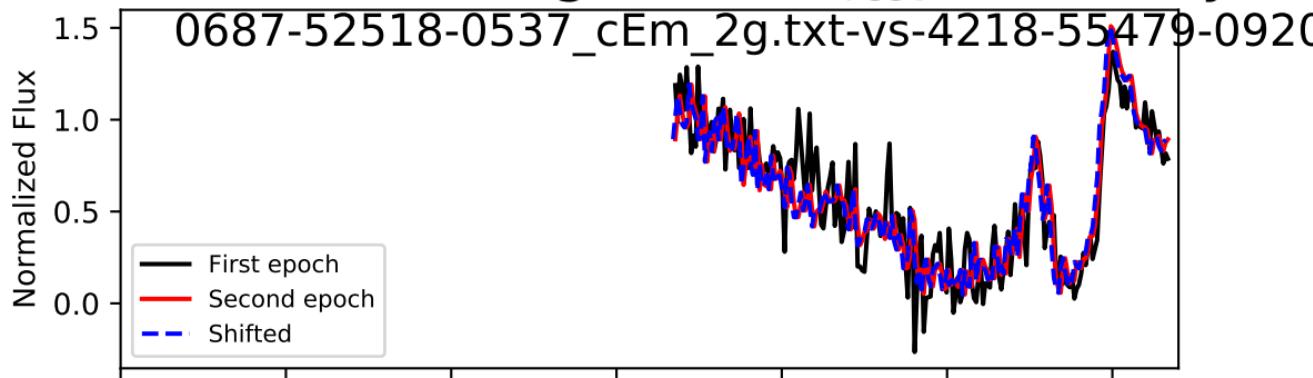


Shift:  $-3.1 + 36.2 - 62.5$  km/s, Accel:  $-0.003 + 0.031 - 0.054$  cm/s<sup>2</sup>

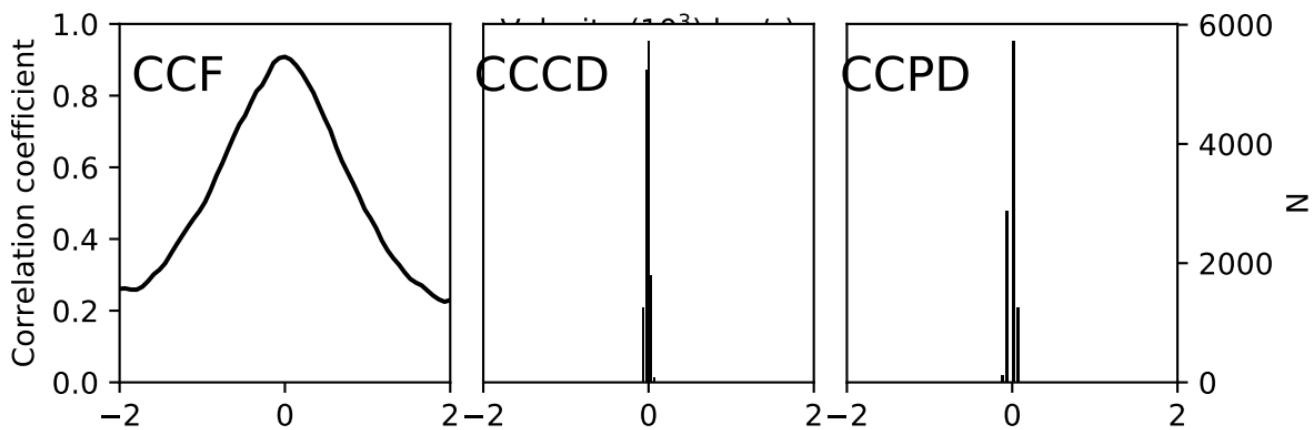
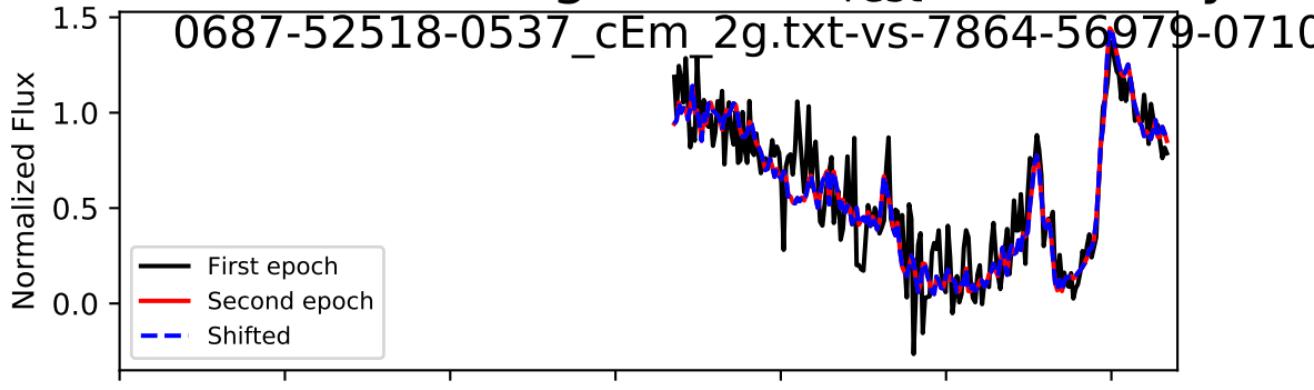
# Spectrum i = 3, Trough 0/0, $\Delta t_{\text{rest}} = 1.067$ year



# Spectrum i = 4, Trough 0/0, $\Delta t_{\text{rest}} = 2.825$ years

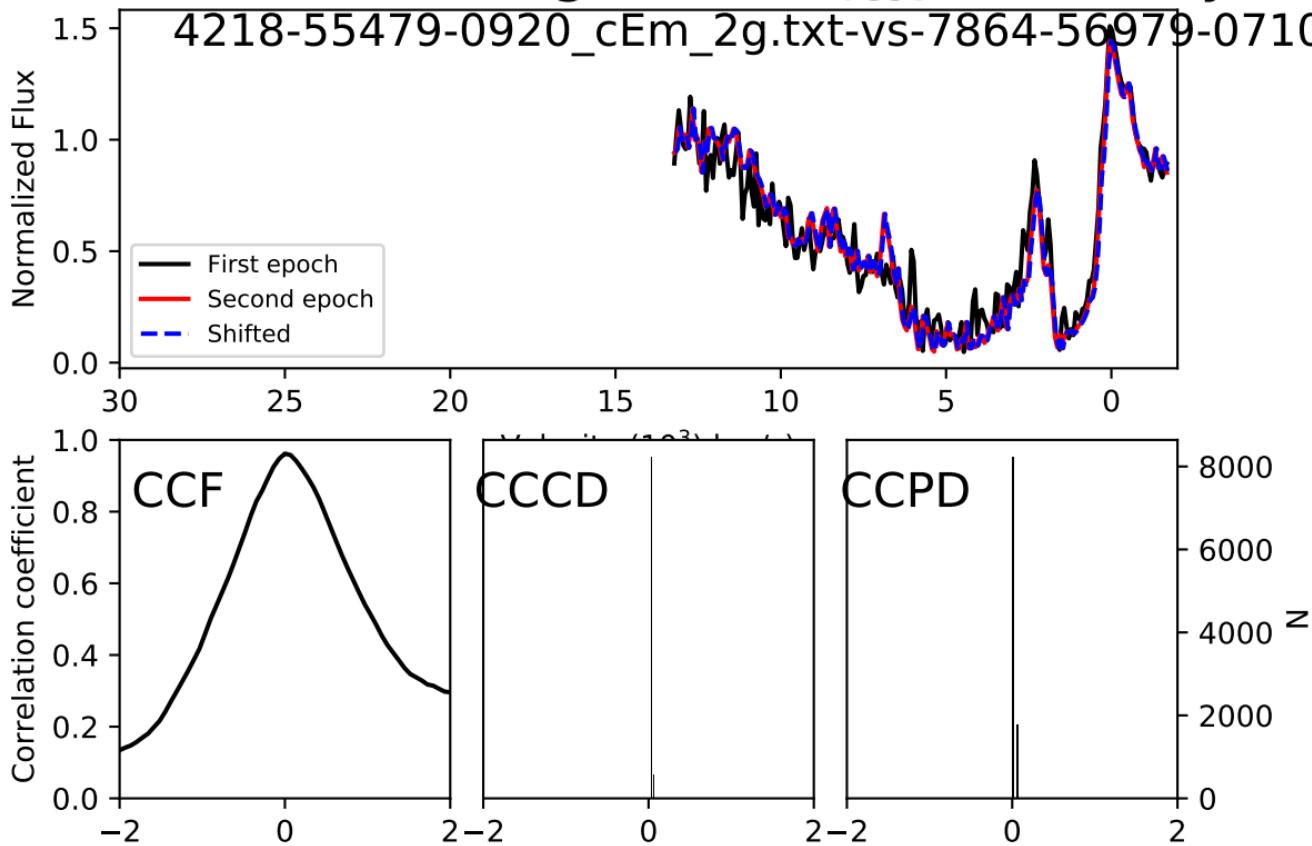


# Spectrum i = 4, Trough 0/0, $\Delta t_{\text{rest}} = 4.256$ years

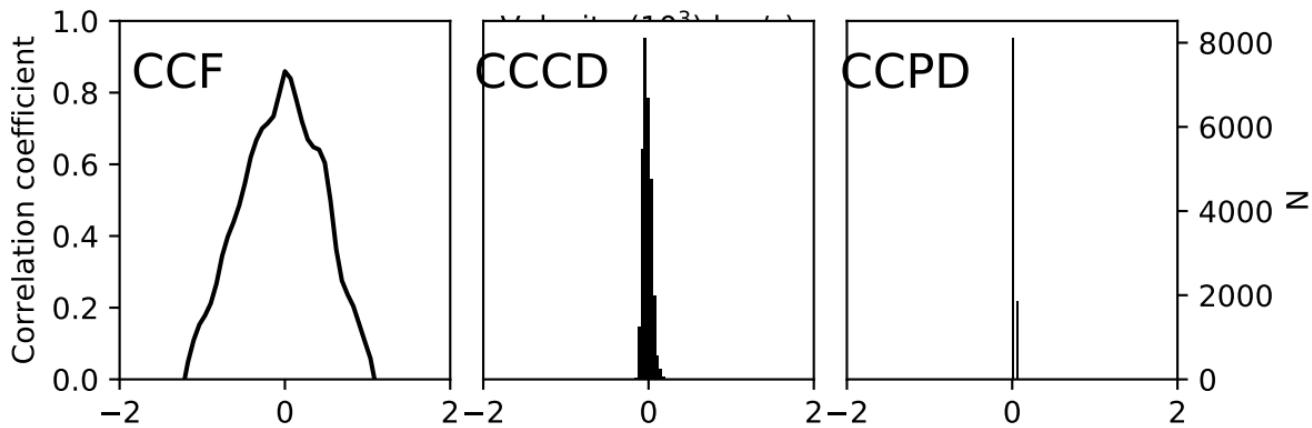
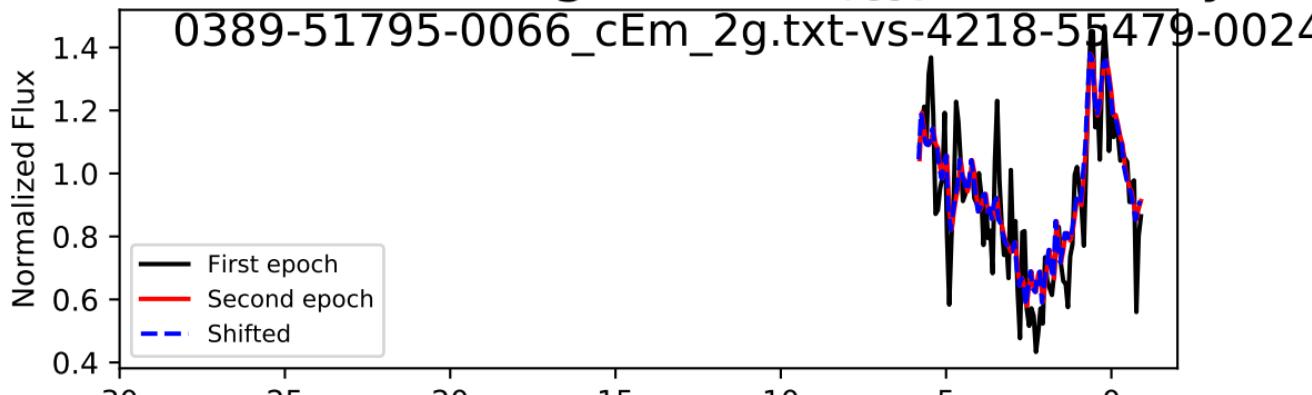


Shift:  $-1.2 + 3.6 - 31.6$  km/s, Accel:  $-0.001 + 0.003 - 0.024$  cm/s<sup>2</sup>

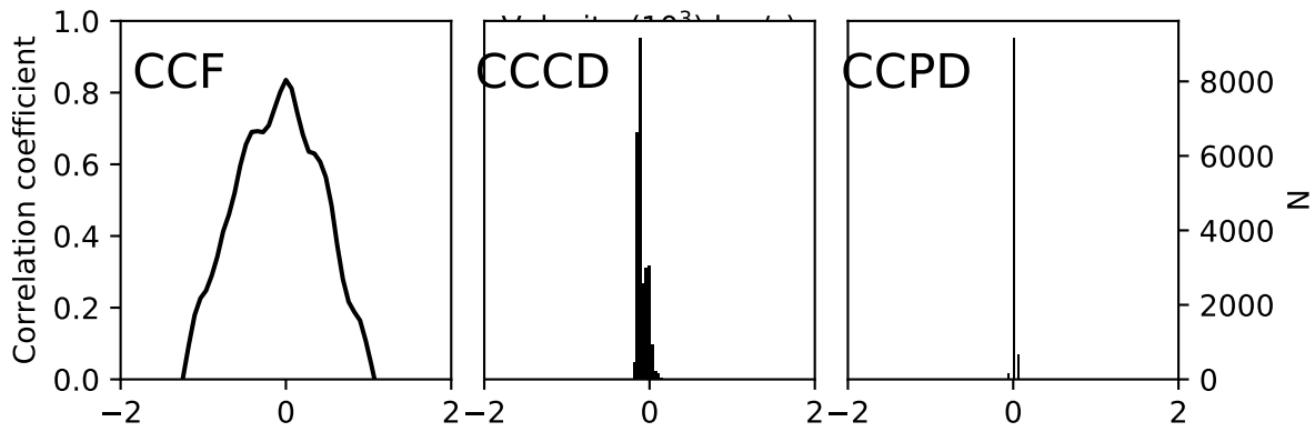
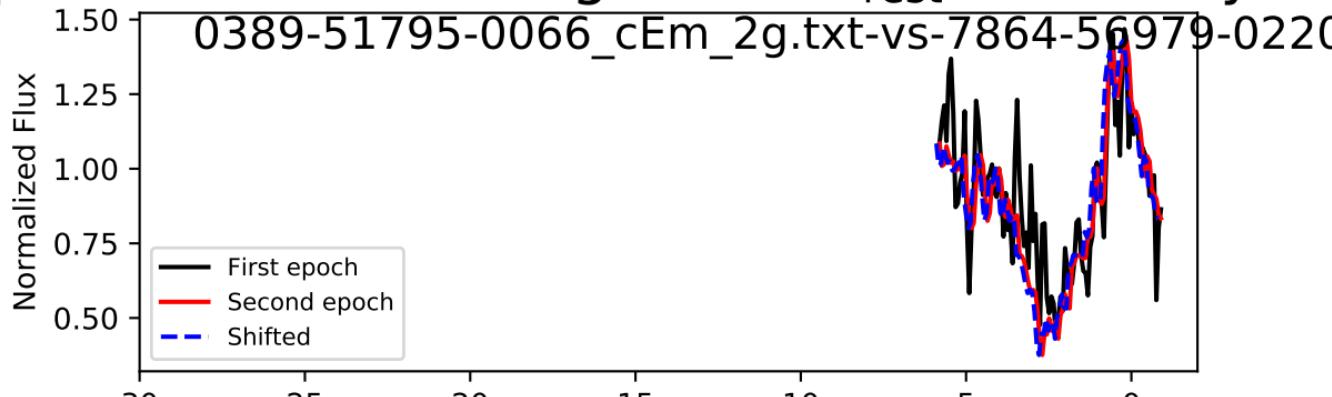
# Spectrum i = 4, Trough 0/0, $\Delta t_{\text{rest}} = 1.431$ year



# Spectrum i = 5, Trough 0/0, $\Delta t_{\text{rest}} = 3.540$ years

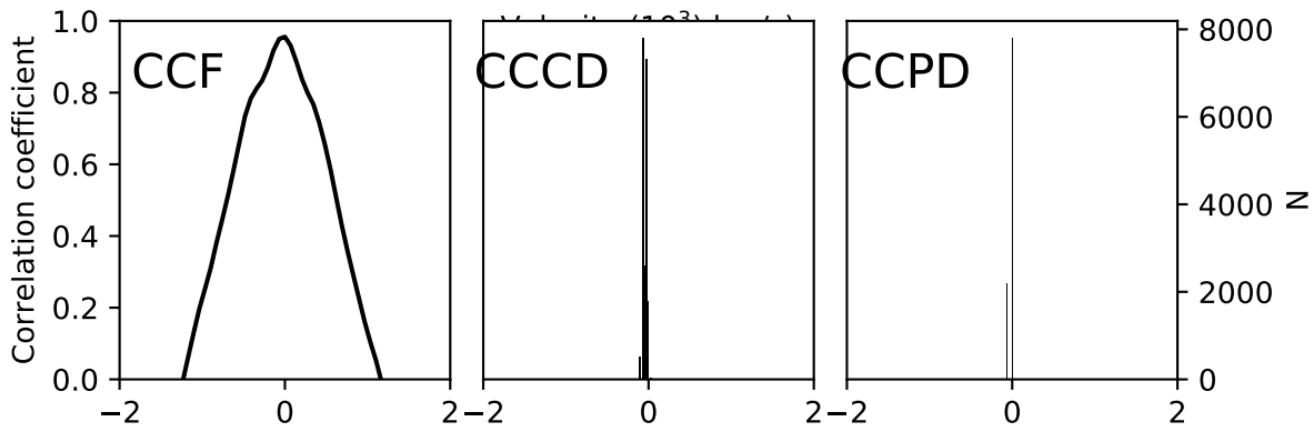
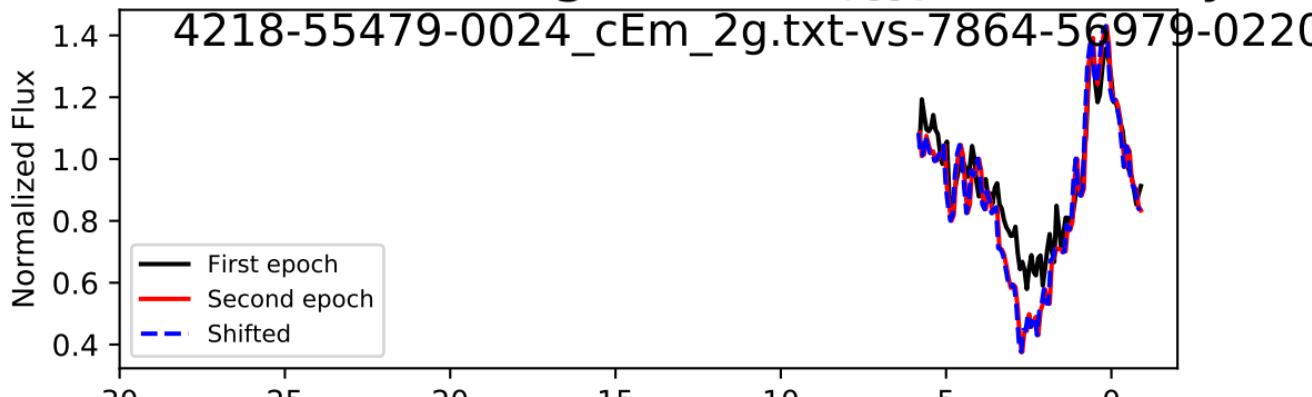


Spectrum i = 5, Trough 0/0,  $\Delta t_{rest} = 4.981$  yea



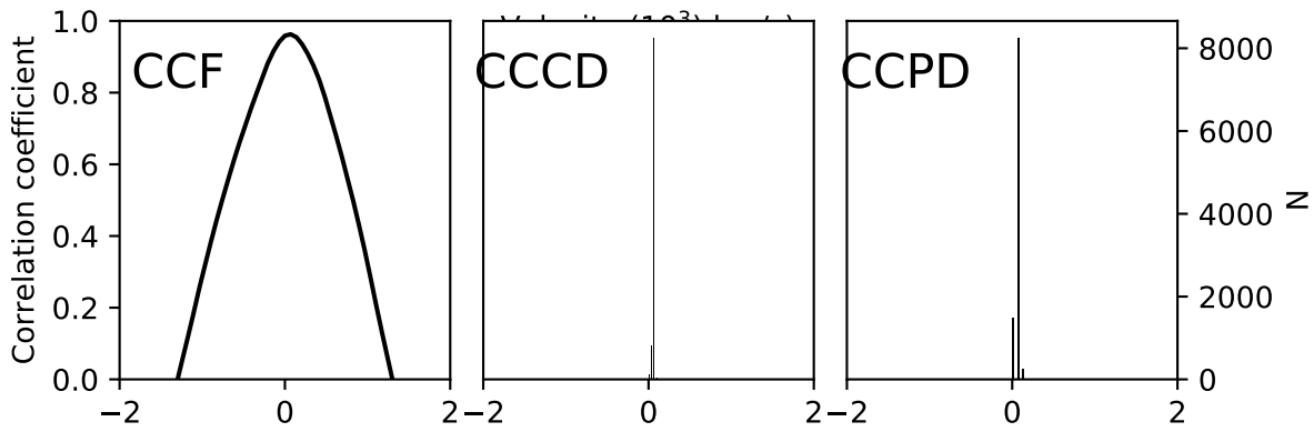
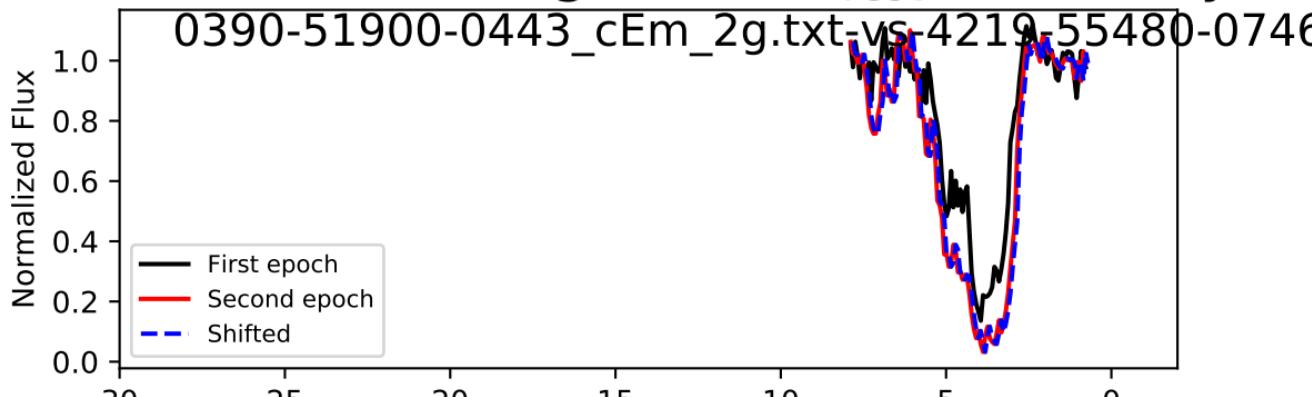
ft: -97.2 + 95.5 - 36.3 km/s, Accel: -0.062+ 0.061 - 0.023 cm

# Spectrum i = 5, Trough 0/0, $\Delta t_{\text{rest}} = 1.441$ year



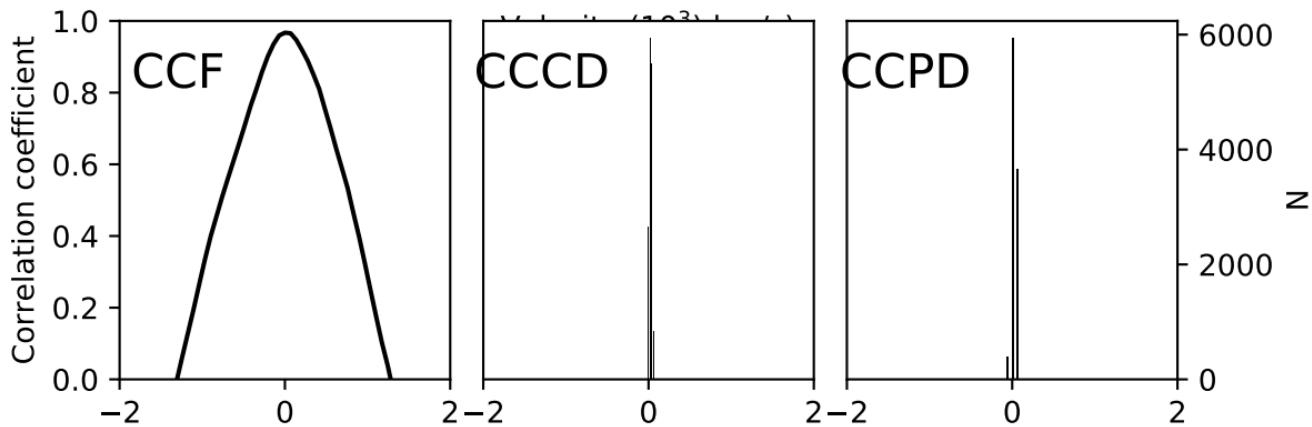
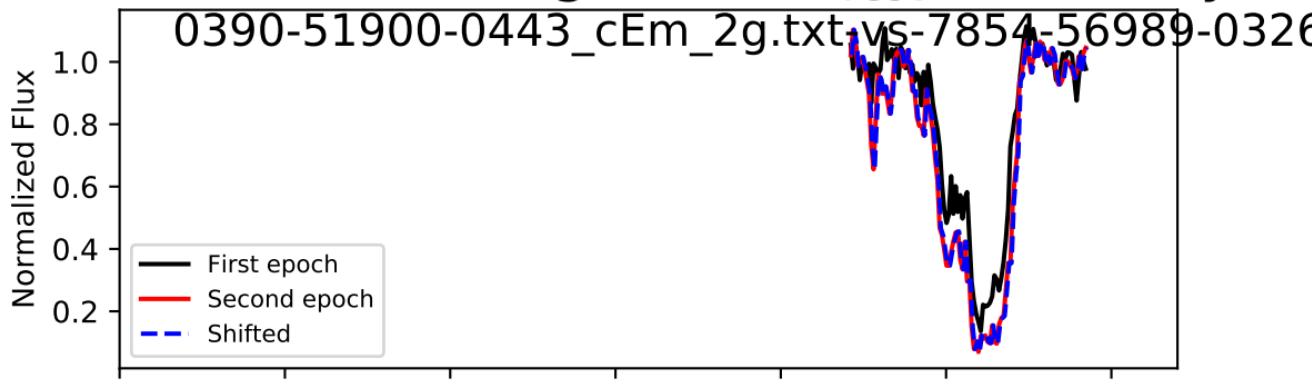
Vshift: -35.4 + 2.8 - 31.6 km/s, Accel: -0.078+ 0.006 - 0.070 cm/s<sup>2</sup>

# Spectrum i = 6, Trough 0/0, $\Delta t_{\text{rest}} = 3.473$ years



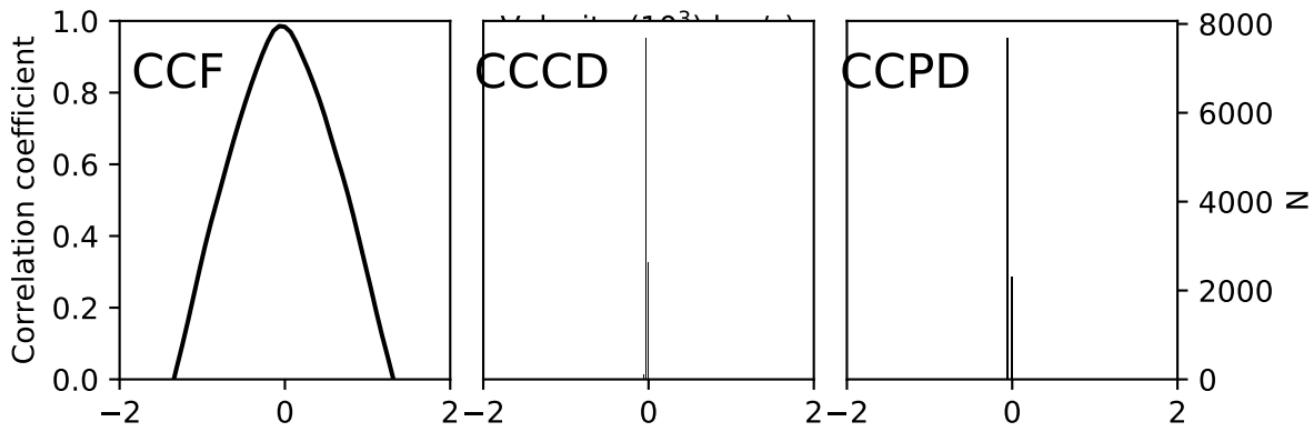
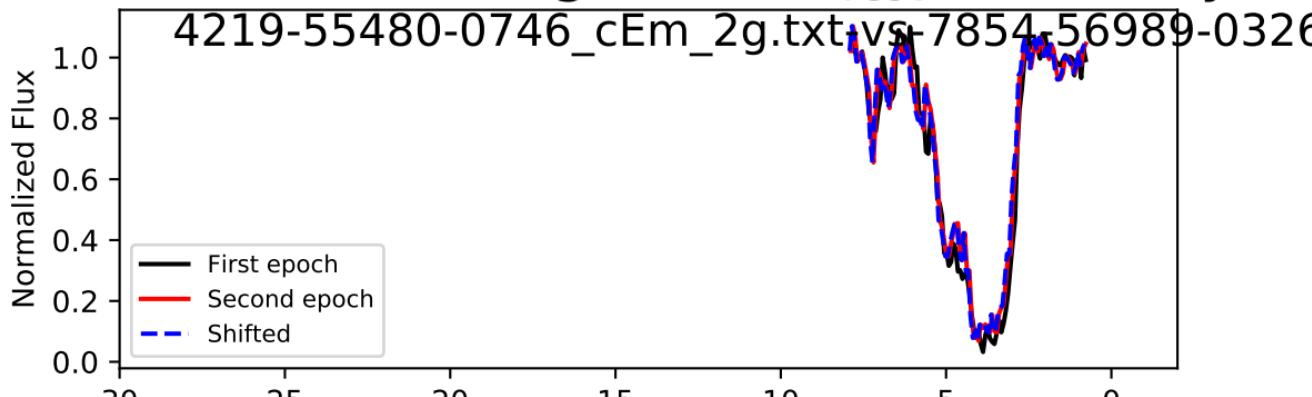
shift: 68.2 + 1.6 - 1.9 km/s, Accel: 0.062+ 0.002 - 0.002 cm

# Spectrum i = 6, Trough 0/0, $\Delta t_{\text{rest}} = 4.937$ years



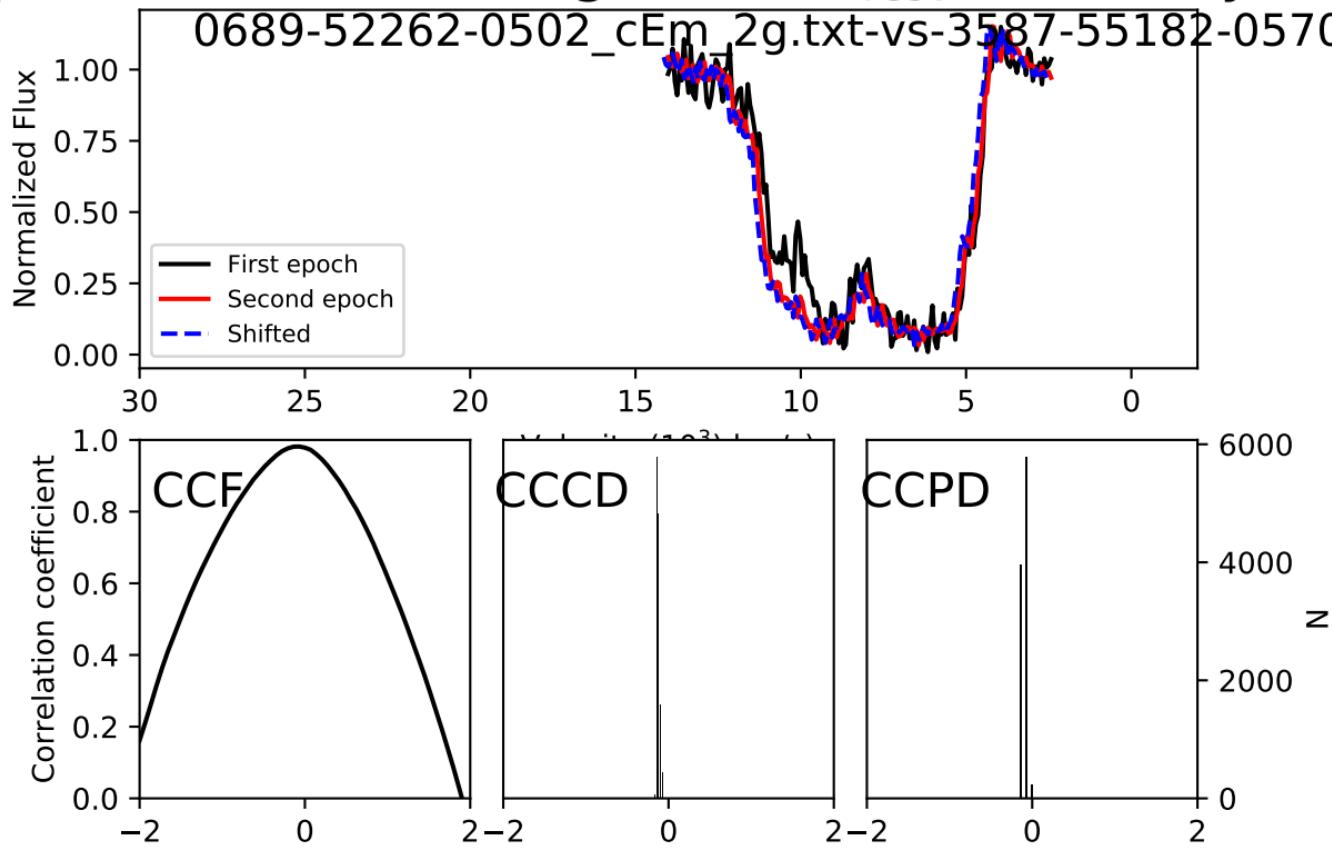
Shift: 33.6 + 1.7 - 30.1 km/s, Accel: 0.022+ 0.001 - 0.019 cm

# Spectrum i = 6, Trough 0/0, $\Delta t_{\text{rest}} = 1.464$ year

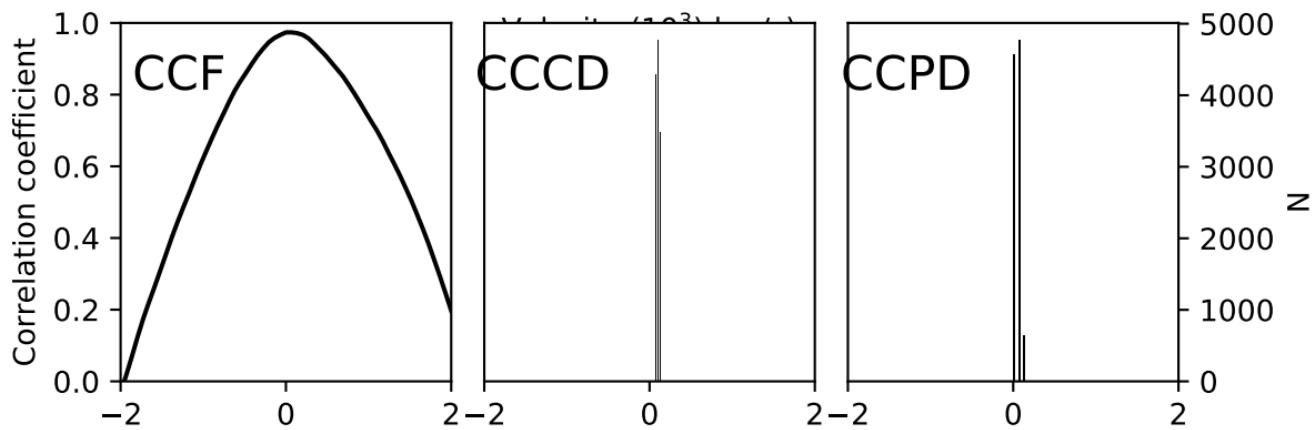
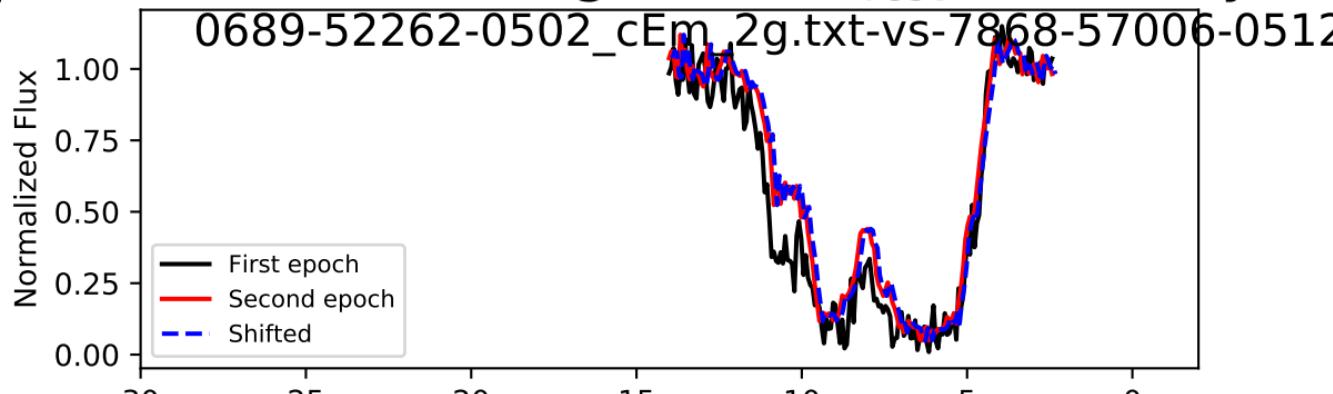


Shift: -34.2 + 30.8 - 1.1 km/s, Accel: -0.074+ 0.067 - 0.002 cm<sup>-1</sup> s

# Spectrum i = 8, Trough 0/0, $\Delta t_{\text{rest}} = 2.472$ years

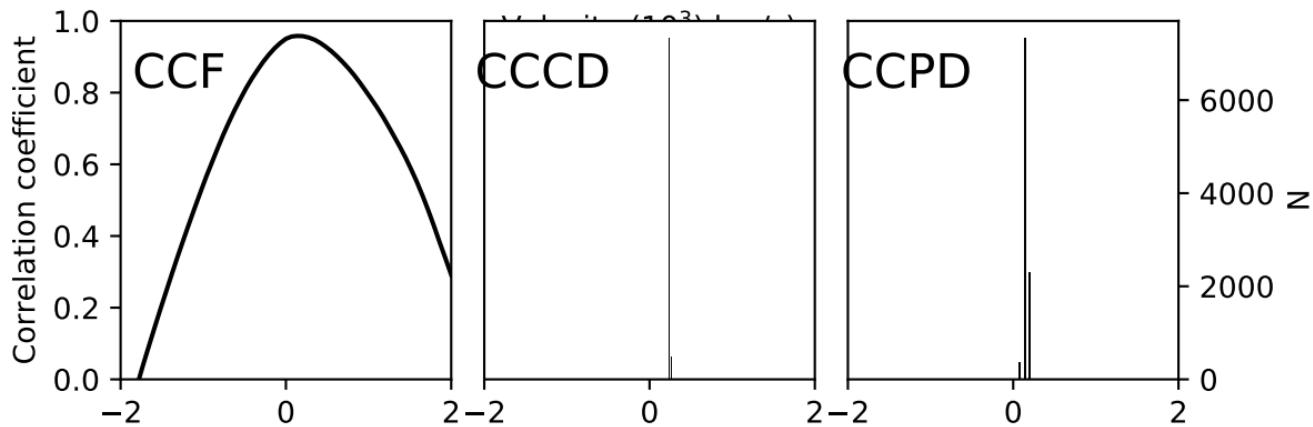
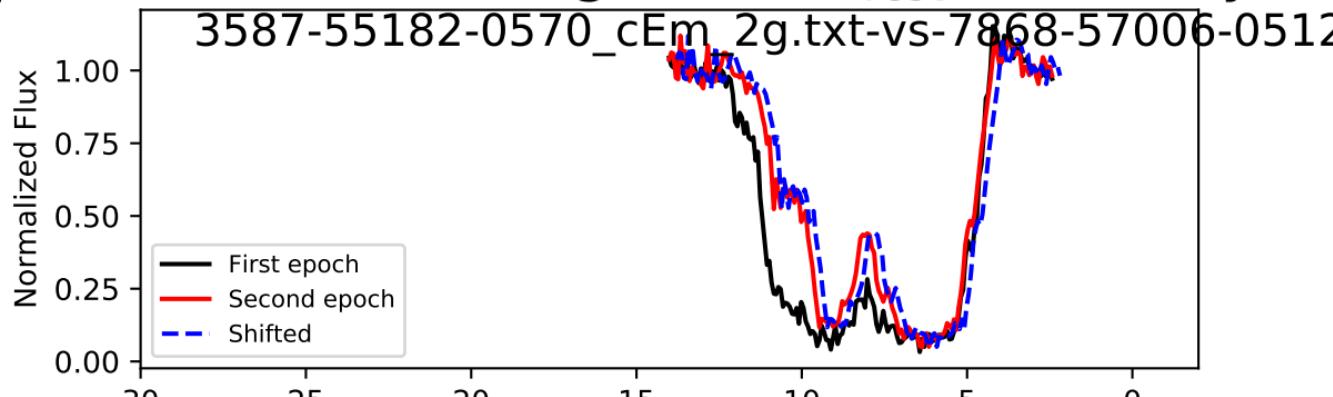


# Spectrum i = 8, Trough 0/0, $\Delta t_{\text{rest}} = 4.016$ years



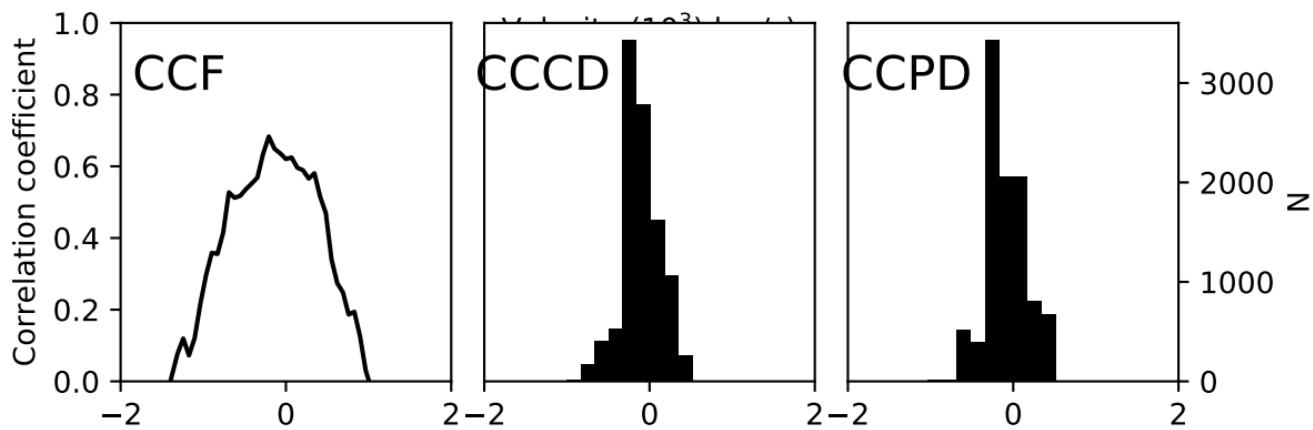
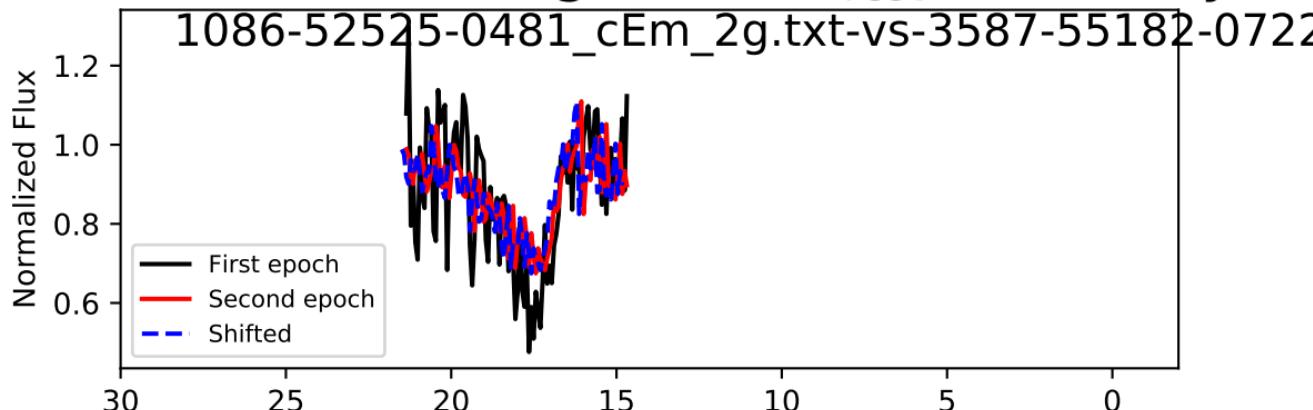
ft:  $100.7 + 31.6 - 31.3$  km/s, Accel:  $0.080 + 0.025 - 0.025$  cm/s<sup>2</sup>

# Spectrum i = 8, Trough 0/0, $\Delta t_{\text{rest}} = 1.544$ year



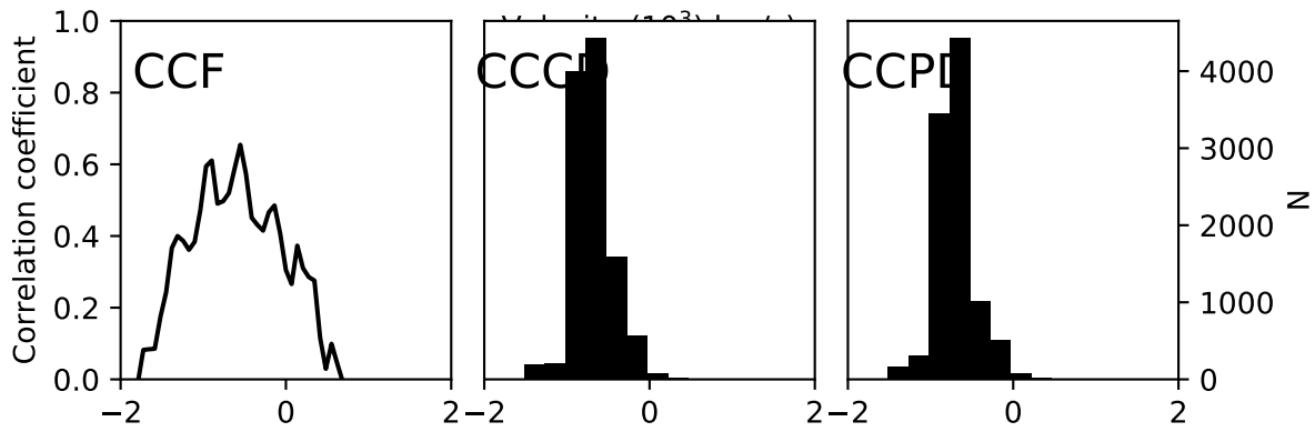
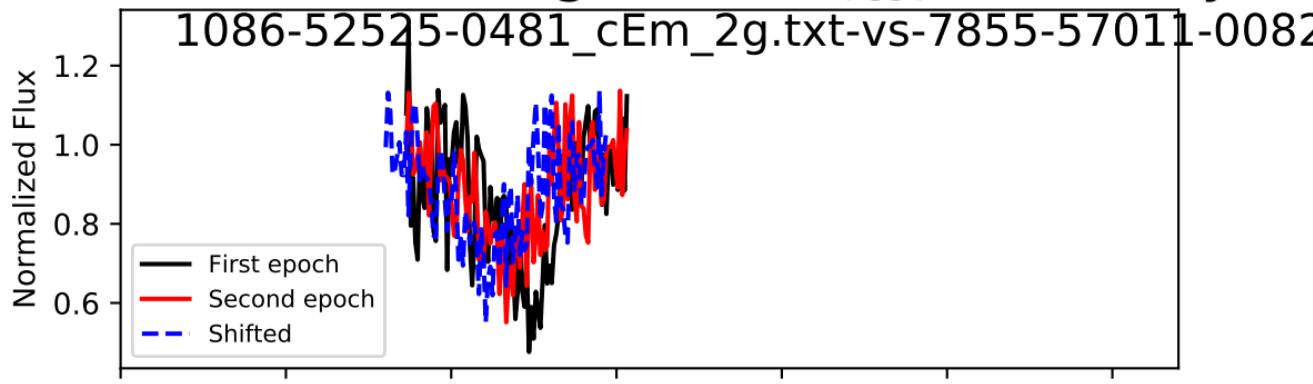
Shift: 238.4 + 1.4 - 1.4 km/s, Accel: 0.490+ 0.003 - 0.003 cm

# Spectrum i = 9, Trough 0/1, $\Delta t_{\text{rest}} = 1.858$ years



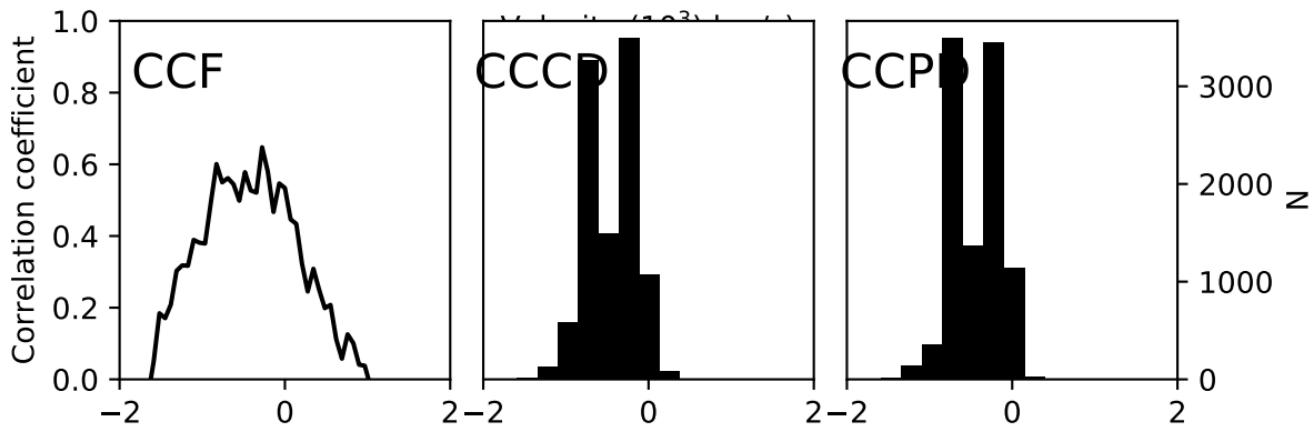
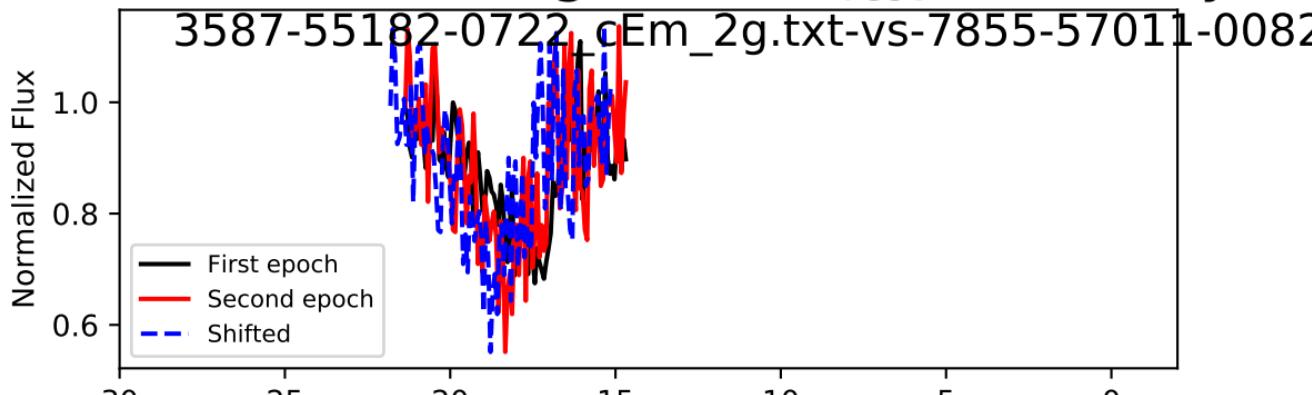
: -136.6 + 274.6 - 137.4 km/s, Accel: -0.233+ 0.469 - 0.234 c

# Spectrum i = 9, Trough 0/1, $\Delta t_{\text{rest}} = 3.138$ years



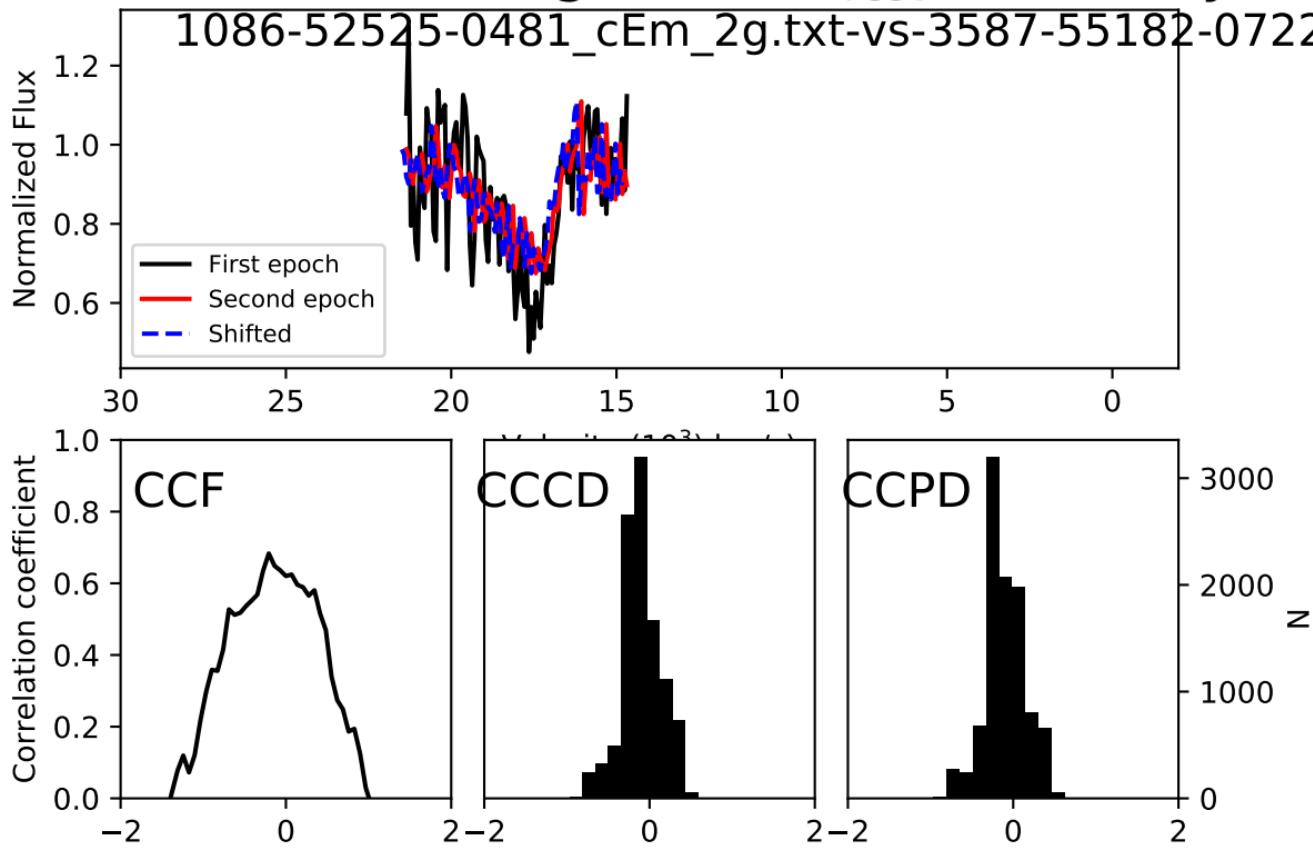
: -621.0 + 102.4 - 312.7 km/s, Accel: -0.628+ 0.103 - 0.316

# Spectrum i = 9, Trough 0/1, $\Delta t_{\text{rest}} = 1.279$ years



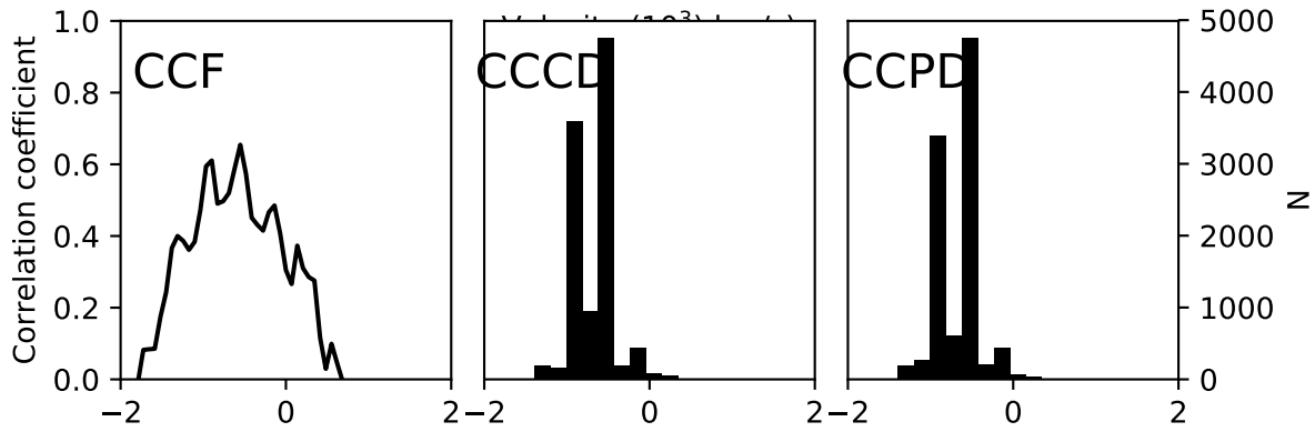
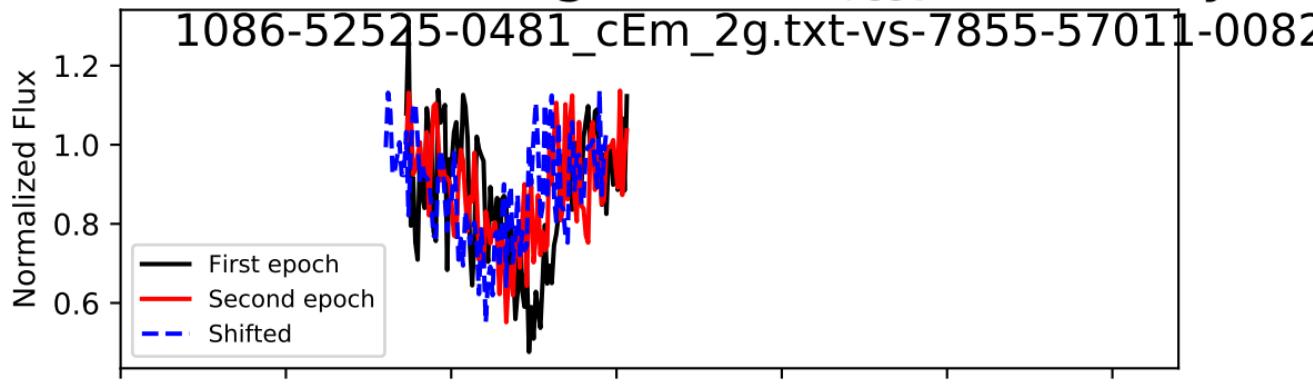
: -448.5 + 241.5 - 348.8 km/s, Accel: -1.112 + 0.599 - 0.864 c

# Spectrum i = 9, Trough 1/1, $\Delta t_{\text{rest}} = 1.858$ years



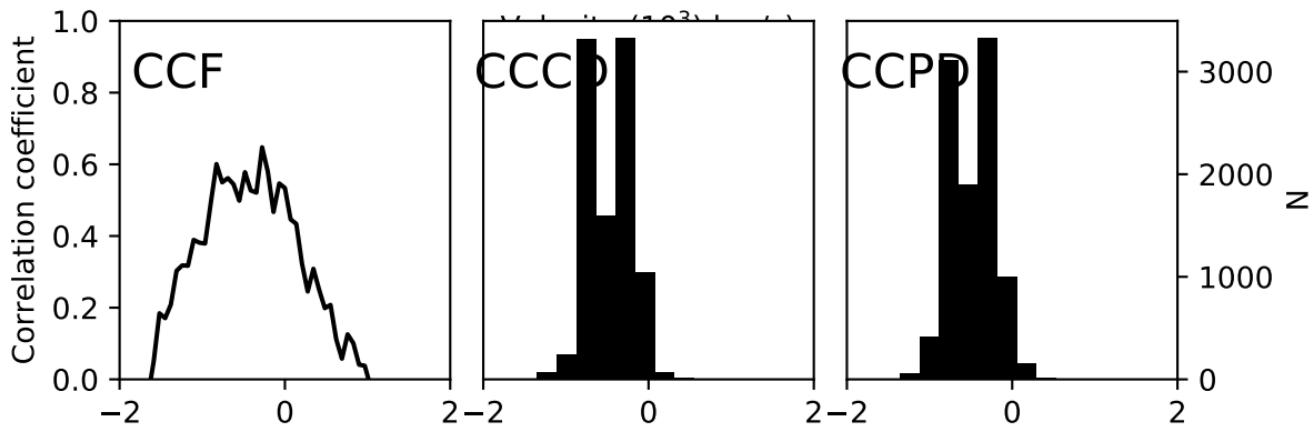
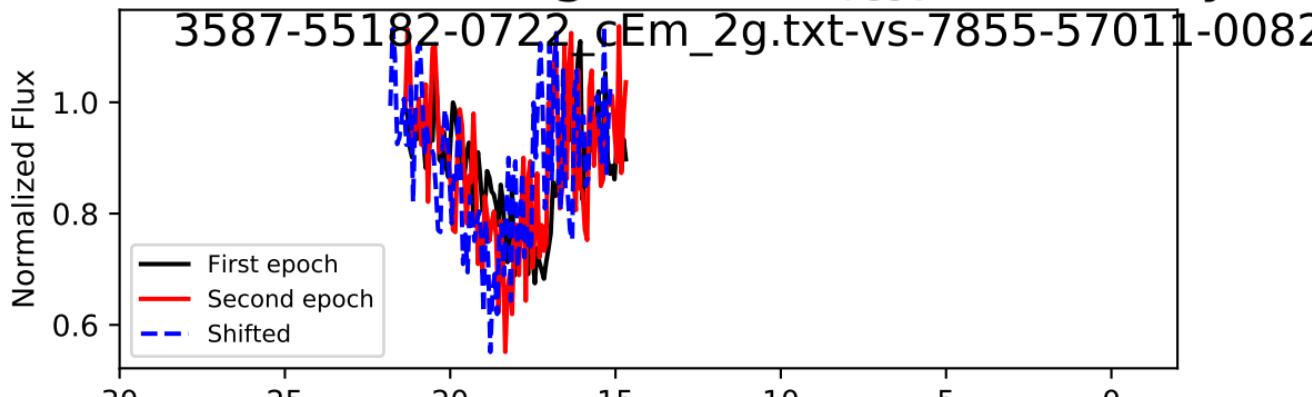
: -137.2 + 277.3 - 137.6 km/s, Accel: -0.234+ 0.473 - 0.235 c

# Spectrum i = 9, Trough 1/1, $\Delta t_{\text{rest}} = 3.138$ years



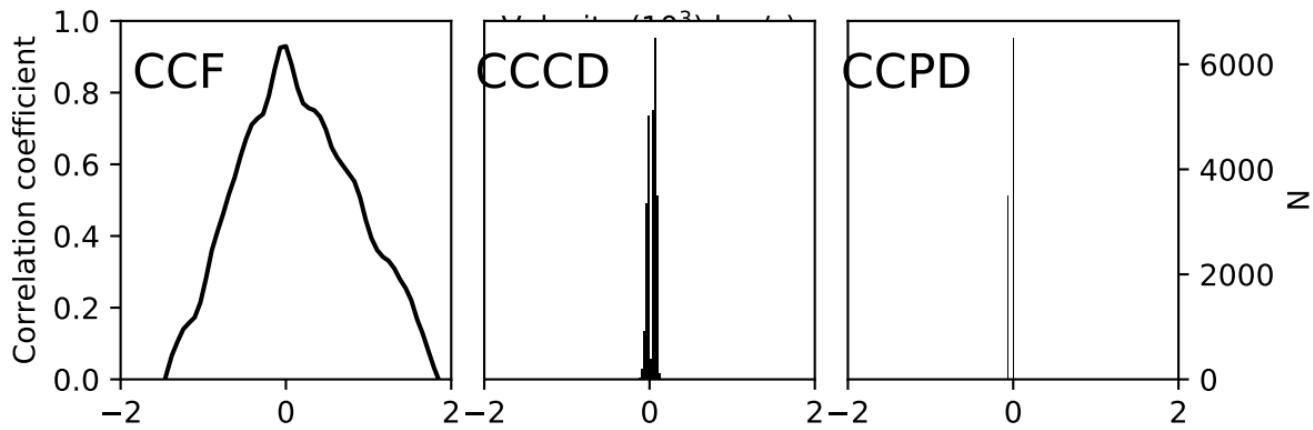
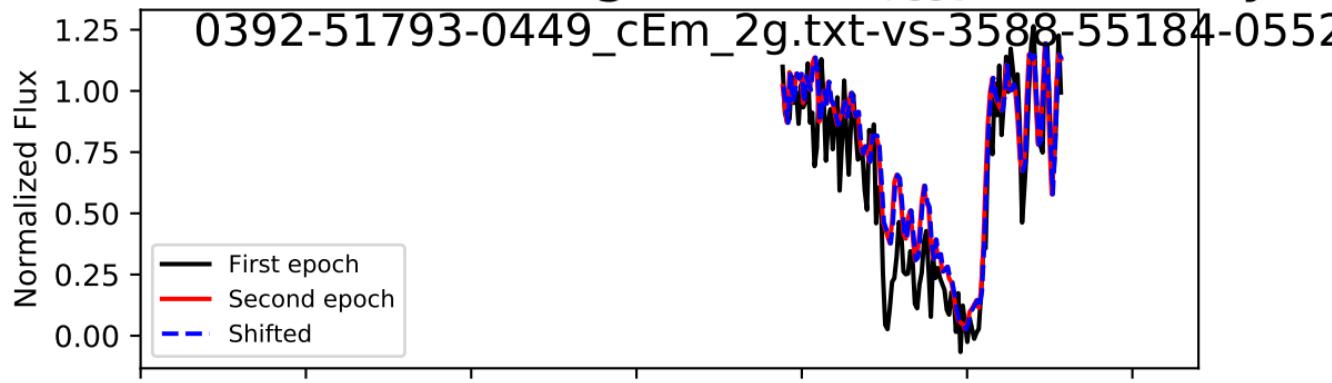
: -619.6 + 101.1 - 313.8 km/s, Accel: -0.626+ 0.102 - 0.317

# Spectrum i = 9, Trough 1/1, $\Delta t_{\text{rest}} = 1.279$ years

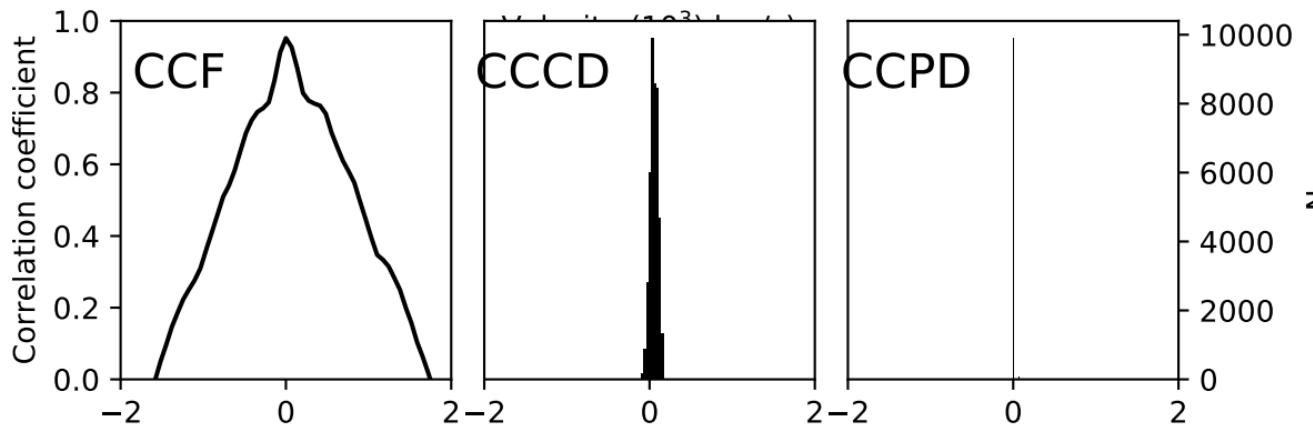
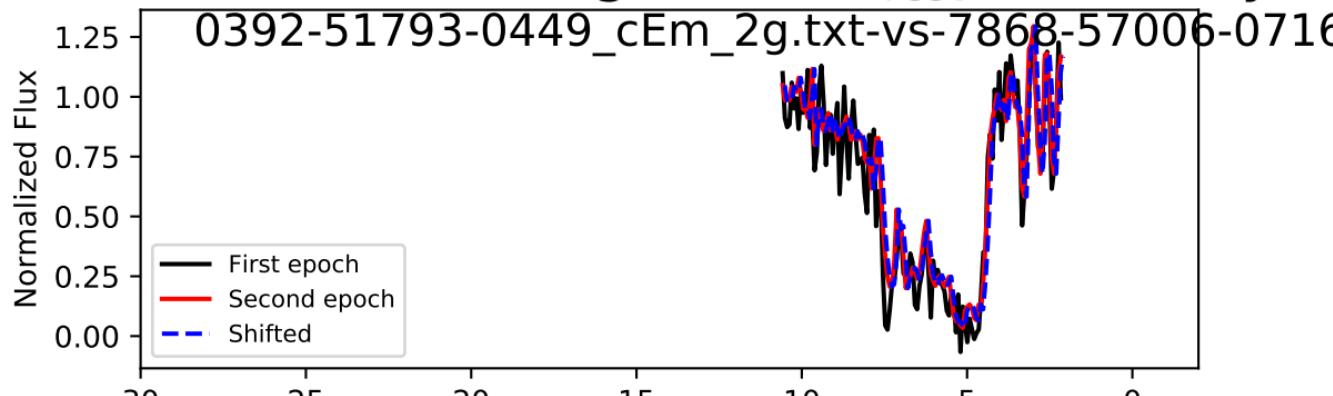


: -452.0 + 241.8 - 345.8 km/s, Accel: -1.120+ 0.599 - 0.857 c

spectrum  $i = 10$ , Trough 0/0,  $\Delta t_{\text{rest}} = 3.197$  years

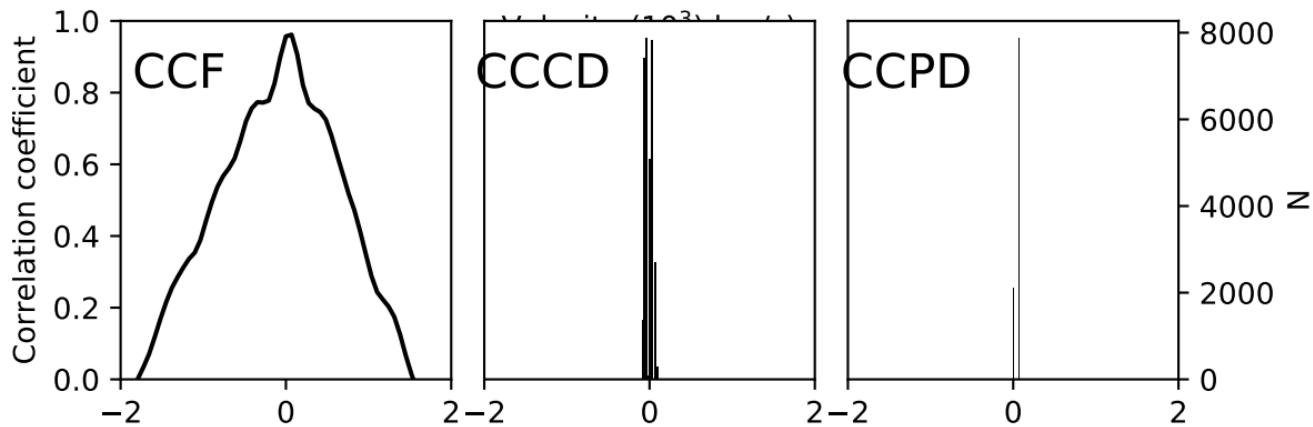
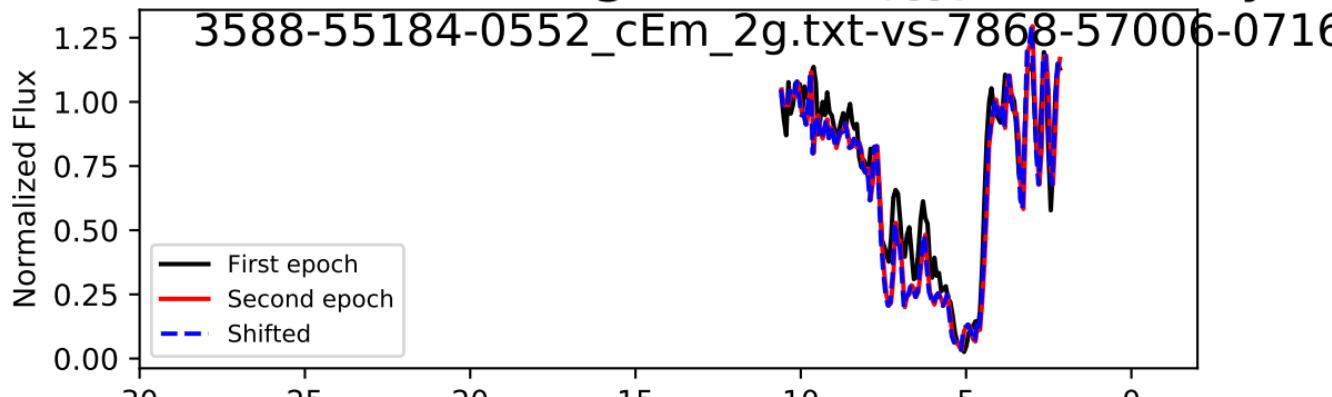


spectrum  $i = 10$ , Trough 0/0,  $\Delta t_{\text{rest}} = 4.915$  years

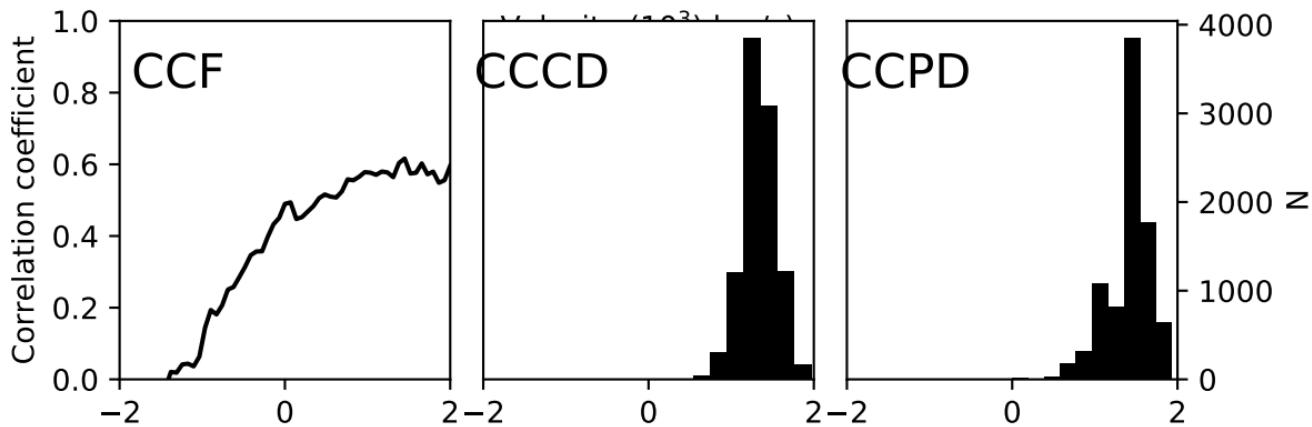
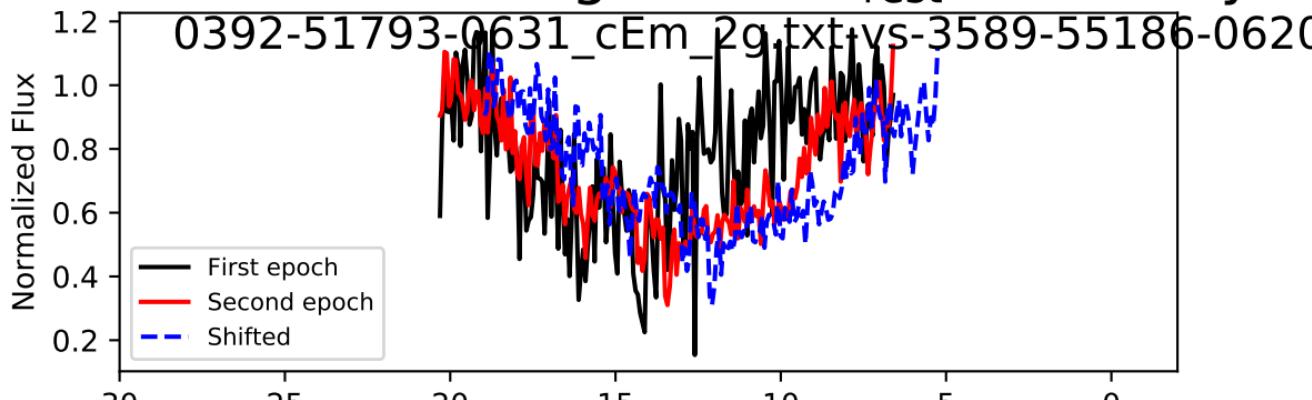


Vshift:  $63.9 + 35.2 - 62.9$  km/s, Accel:  $0.041 + 0.023 - 0.041$  cm/s<sup>2</sup>

spectrum  $i = 10$ , Trough 0/0,  $\Delta t_{\text{rest}} = 1.718$  years

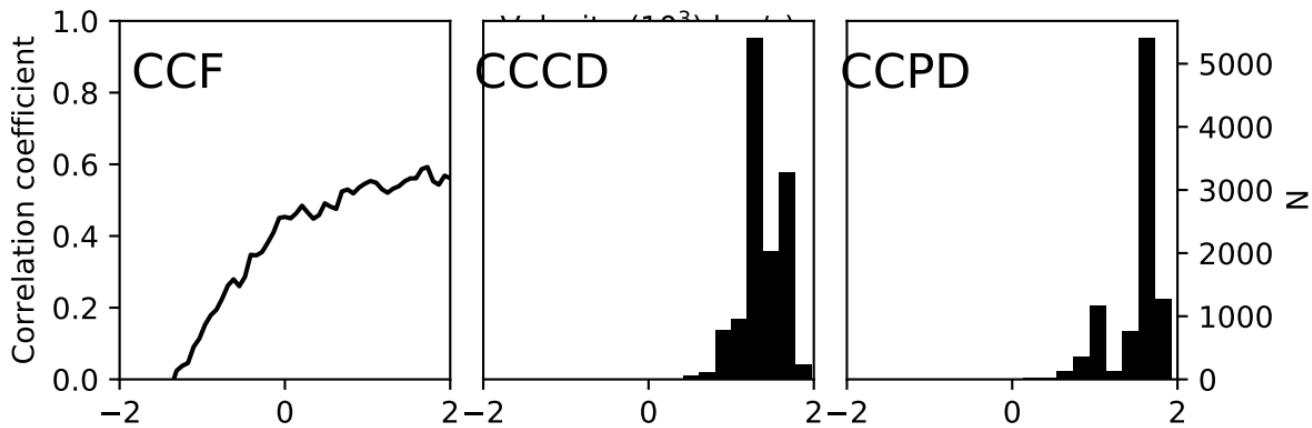
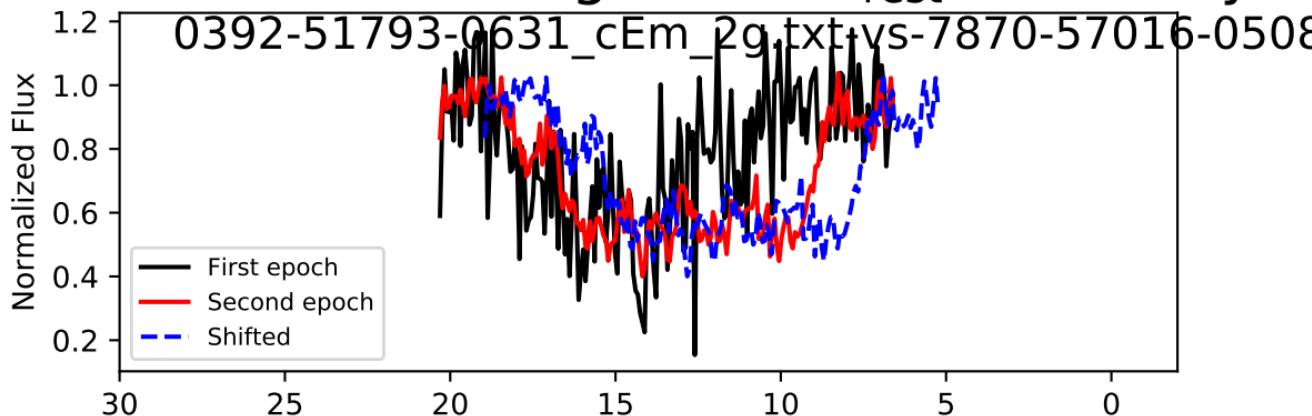


spectrum i = 12, Trough 0/0,  $\Delta t_{\text{rest}} = 3.356$  years



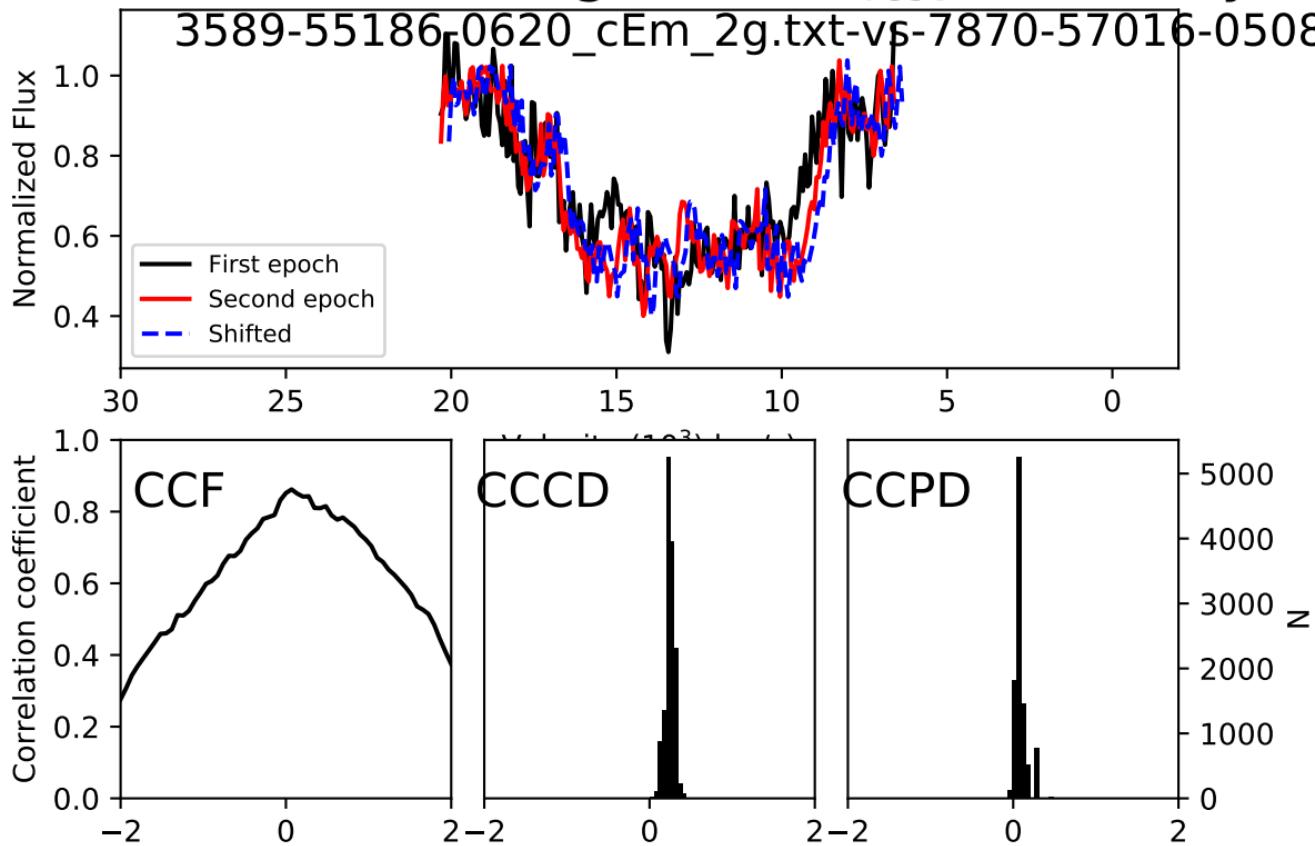
: 1347.9 + 201.4 - 195.9 km/s, Accel: 1.274+ 0.190 - 0.185 c

spectrum i = 12, Trough 0/0,  $\Delta t_{\text{rest}} = 5.166$  years

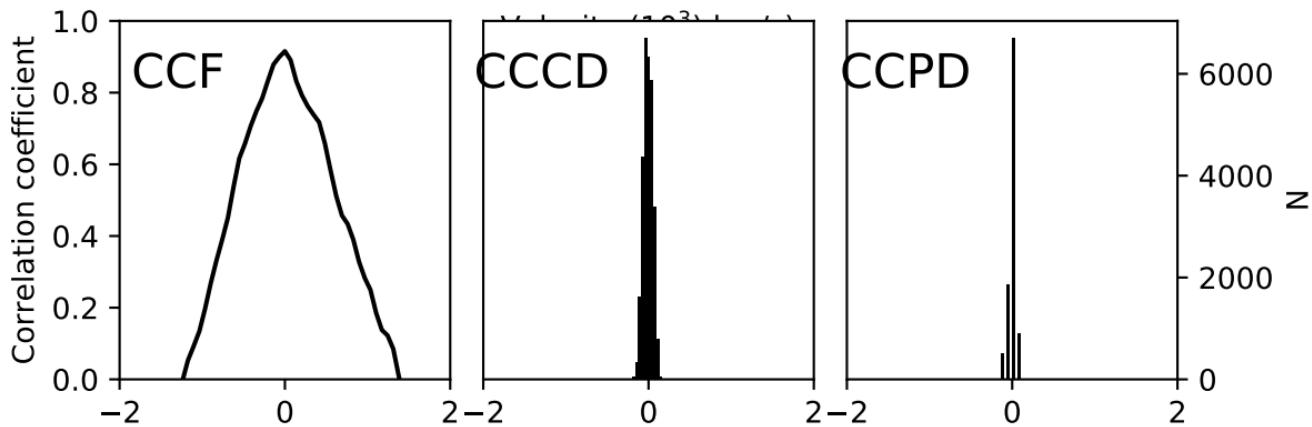
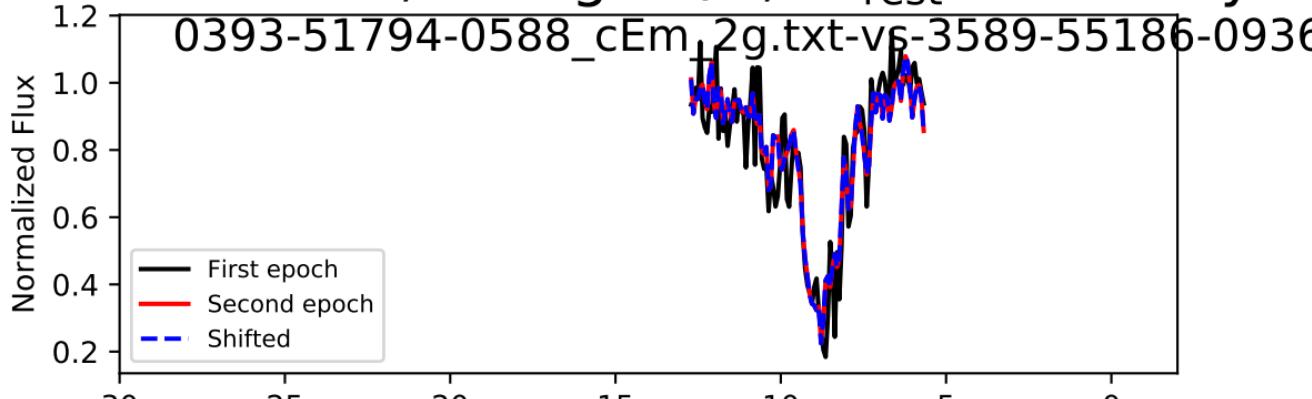


: 1357.3 + 307.6 - 150.2 km/s, Accel: 0.833+ 0.189 - 0.092 c

spectrum i = 12, Trough 0/0,  $\Delta t_{\text{rest}} = 1.810$  years

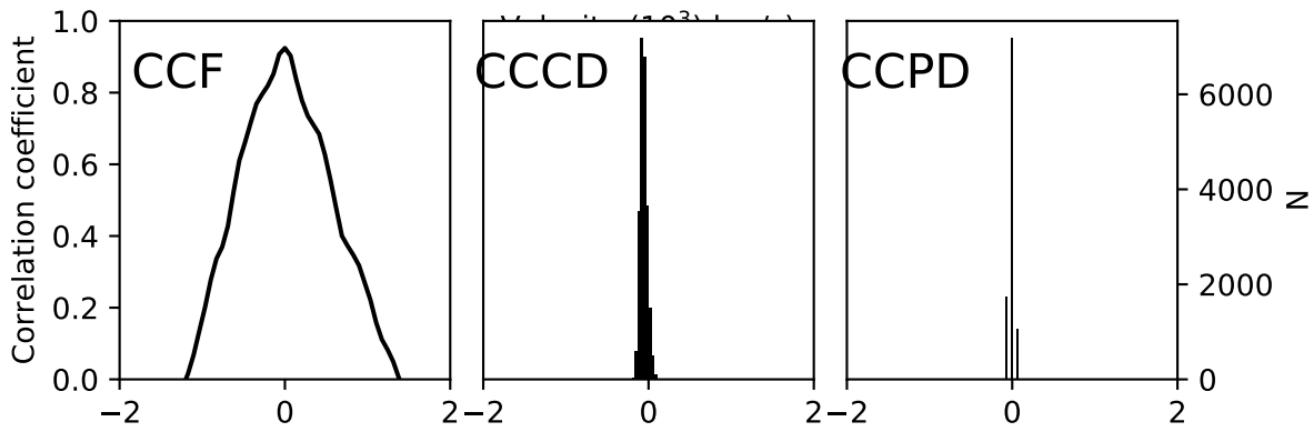
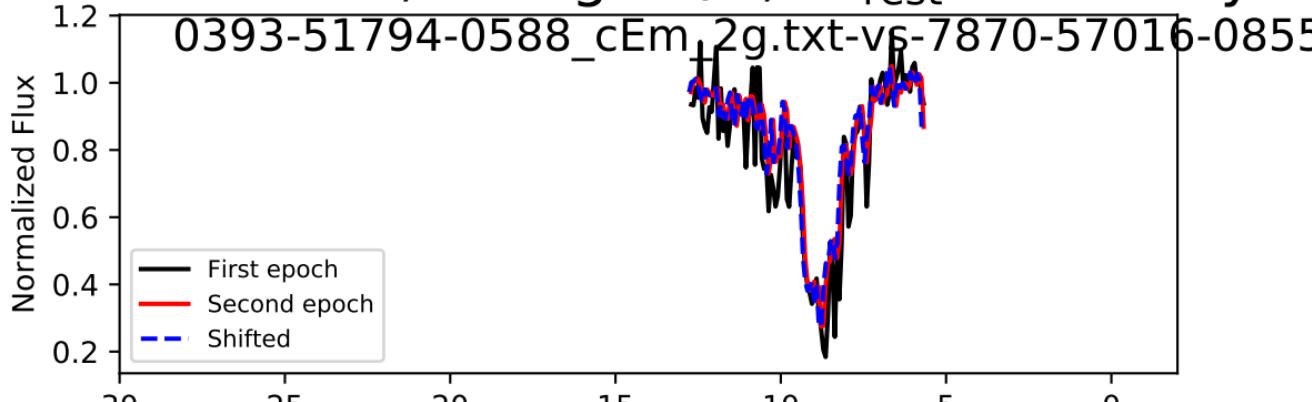


spectrum i = 14, Trough 0/0,  $\Delta t_{\text{rest}} = 2.399$  years



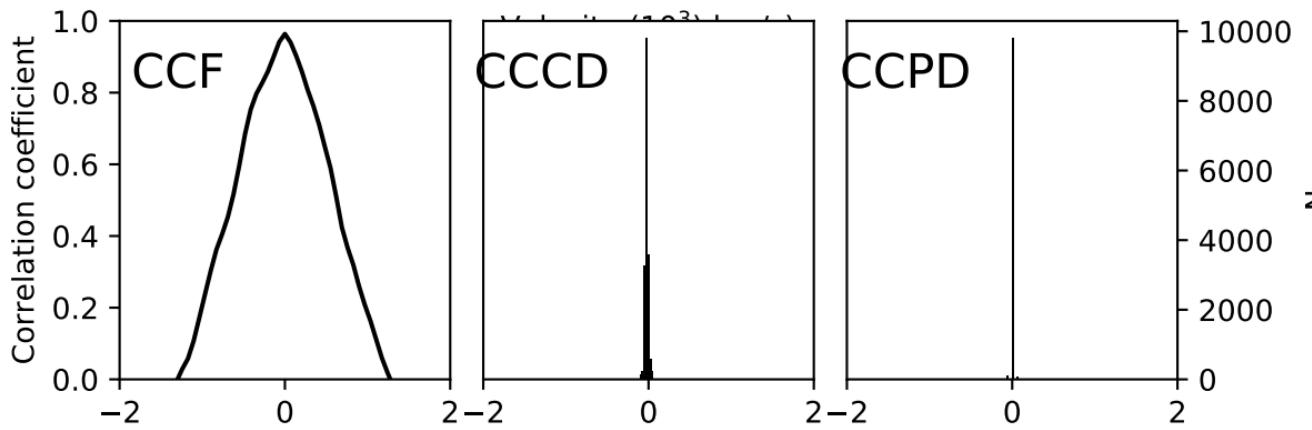
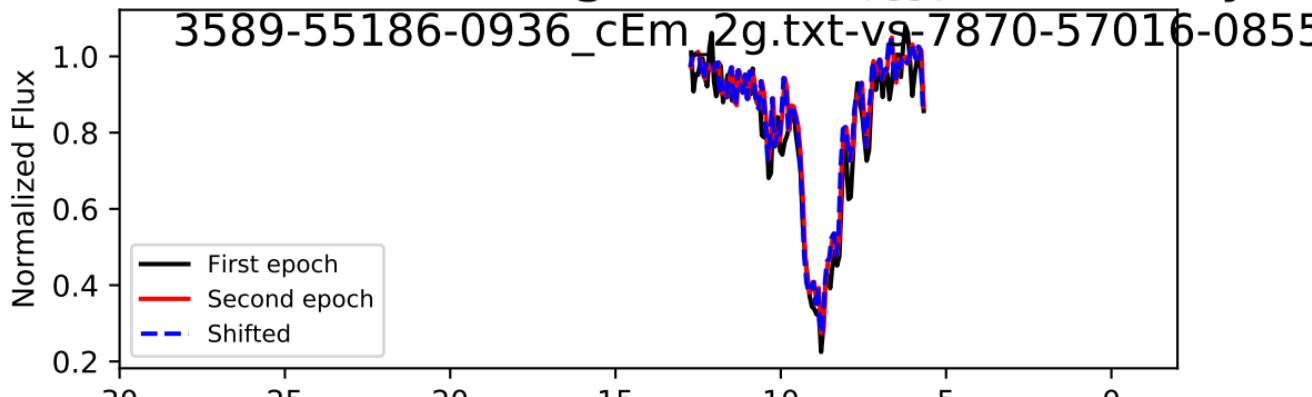
Shift:  $-3.5 + 37.3 - 63.0$  km/s, Accel:  $-0.005 + 0.049 - 0.083$  cm/s<sup>2</sup>

spectrum i = 14, Trough 0/0,  $\Delta t_{\text{rest}} = 3.694$  years



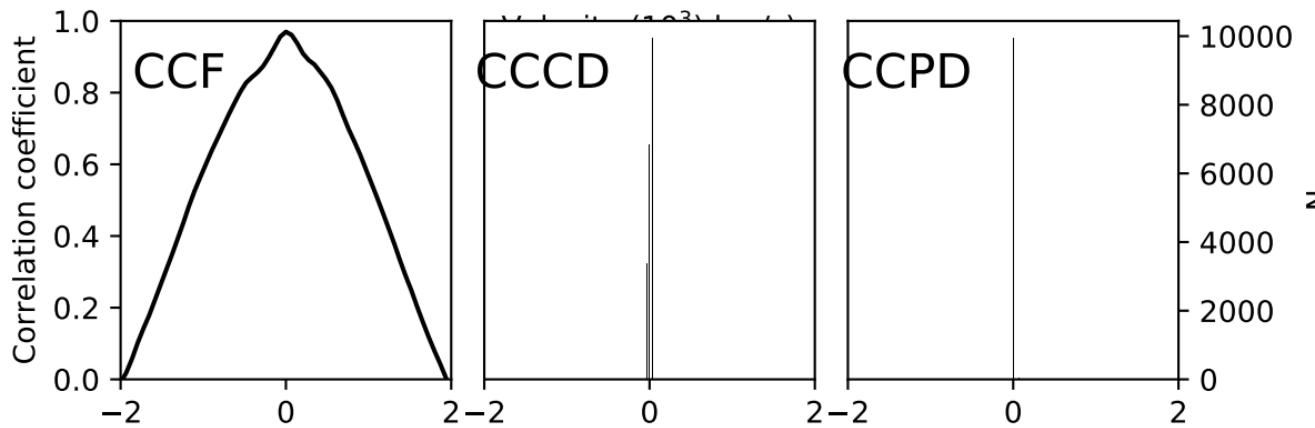
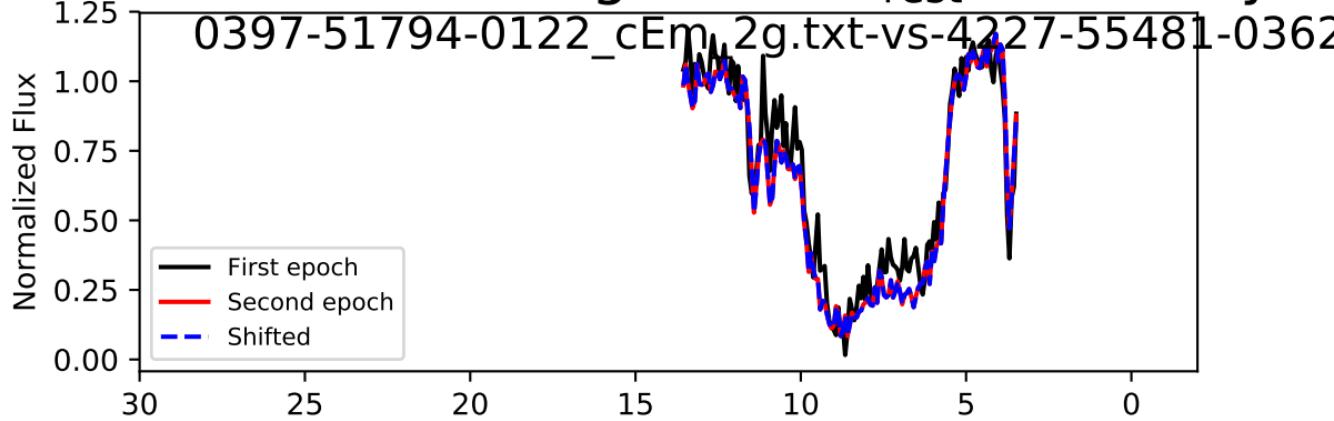
ft: -64.3 + 62.5 - 33.9 km/s, Accel: -0.055+ 0.054 - 0.029 cm

spectrum i = 14, Trough 0/0,  $\Delta t_{\text{rest}} = 1.294$  years

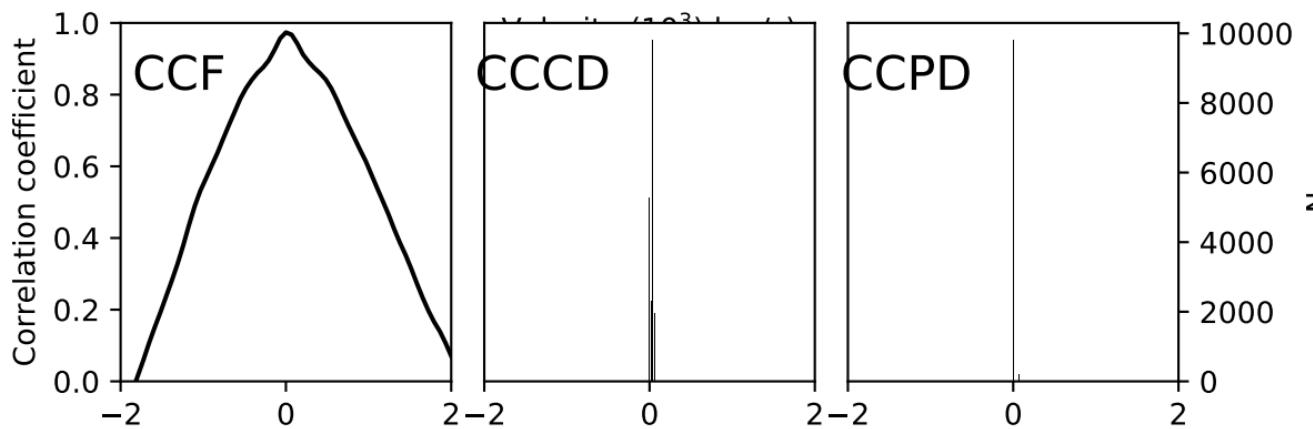
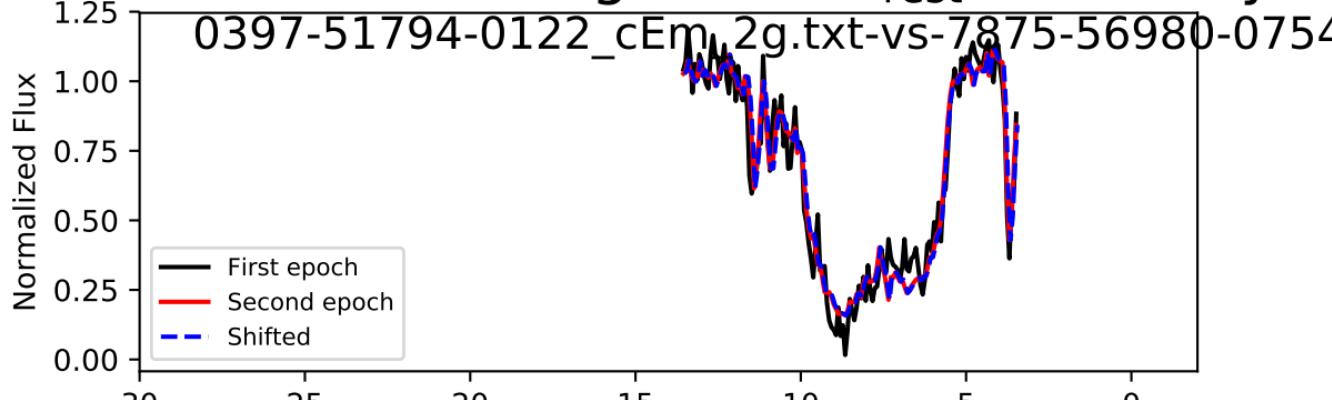


Shift:  $-31.7 + 32.0 - 4.4$  km/s, Accel:  $-0.078 + 0.078 - 0.011$  cm $^{-1}$  s $^2$

spectrum i = 17, Trough 0/0,  $\Delta t_{\text{rest}} = 3.662$  years

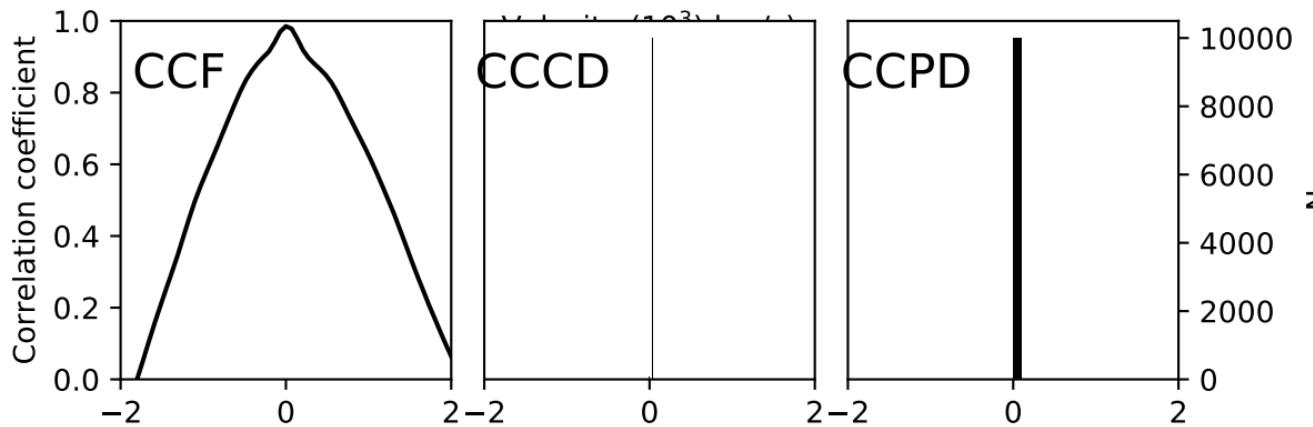
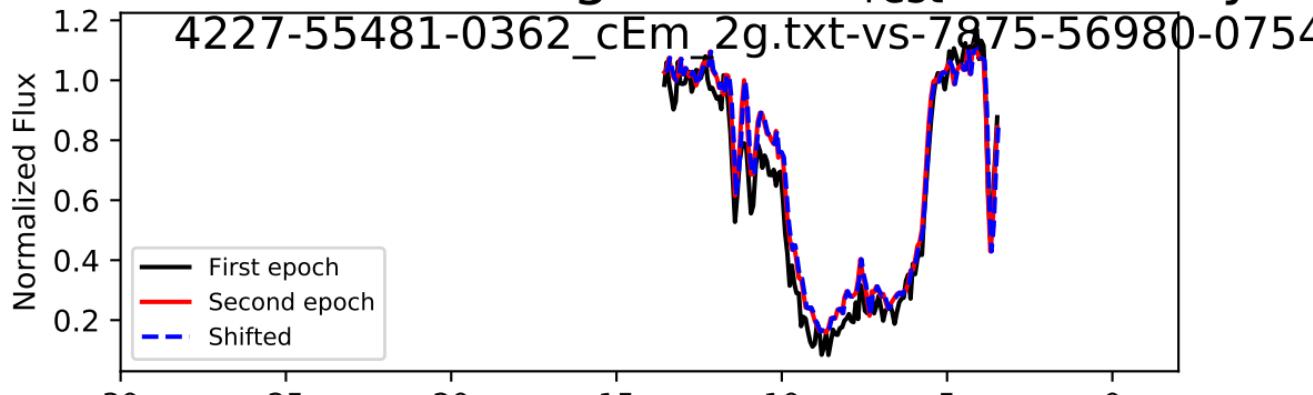


spectrum i = 17, Trough 0/0,  $\Delta t_{\text{rest}} = 5.150$  years

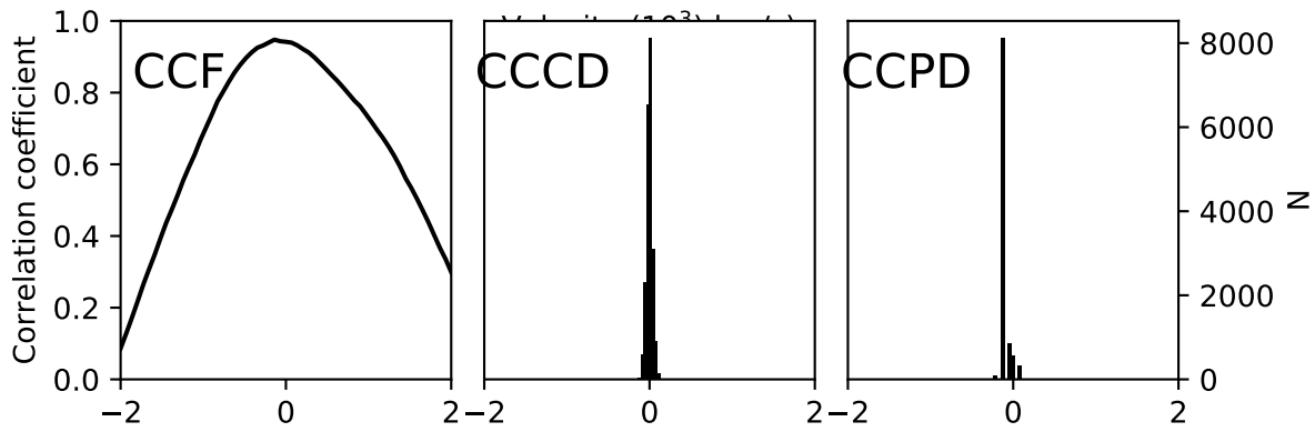
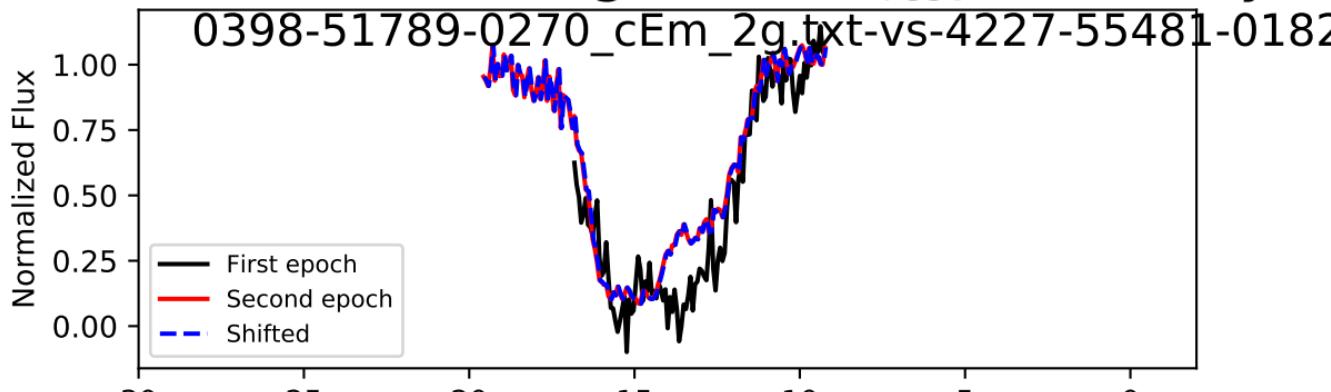


Shift: 33.9 + 2.2 - 31.6 km/s, Accel: 0.021+ 0.001 - 0.019 cm/s<sup>2</sup>

spectrum  $i = 17$ , Trough 0/0,  $\Delta t_{\text{rest}} = 1.489$  years

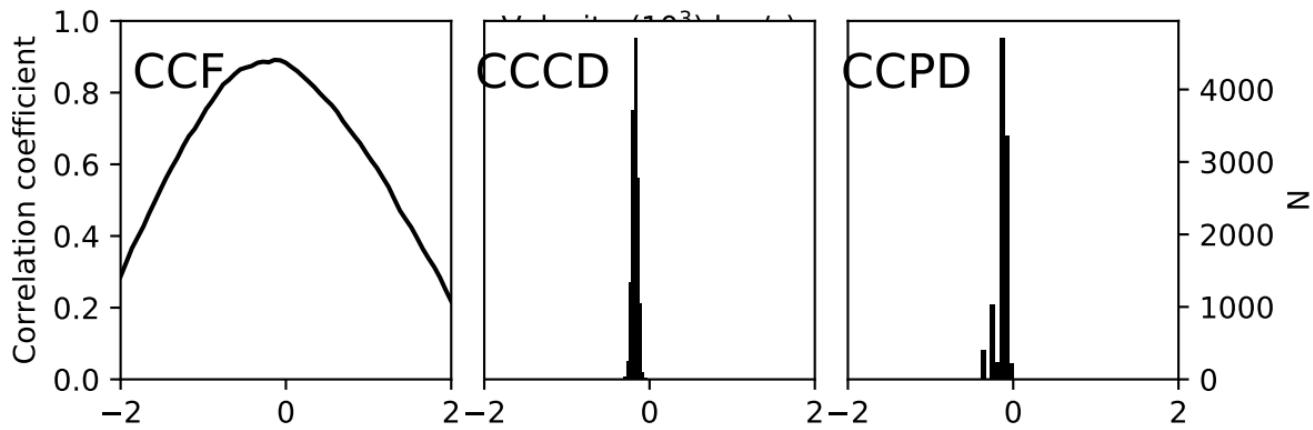
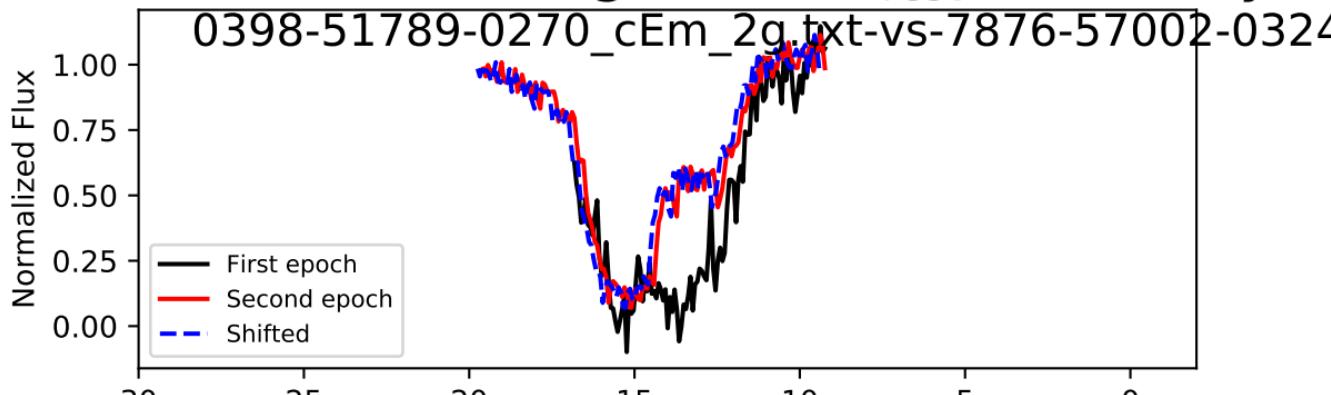


spectrum  $i = 18$ , Trough 0/0,  $\Delta t_{\text{rest}} = 3.886$  years



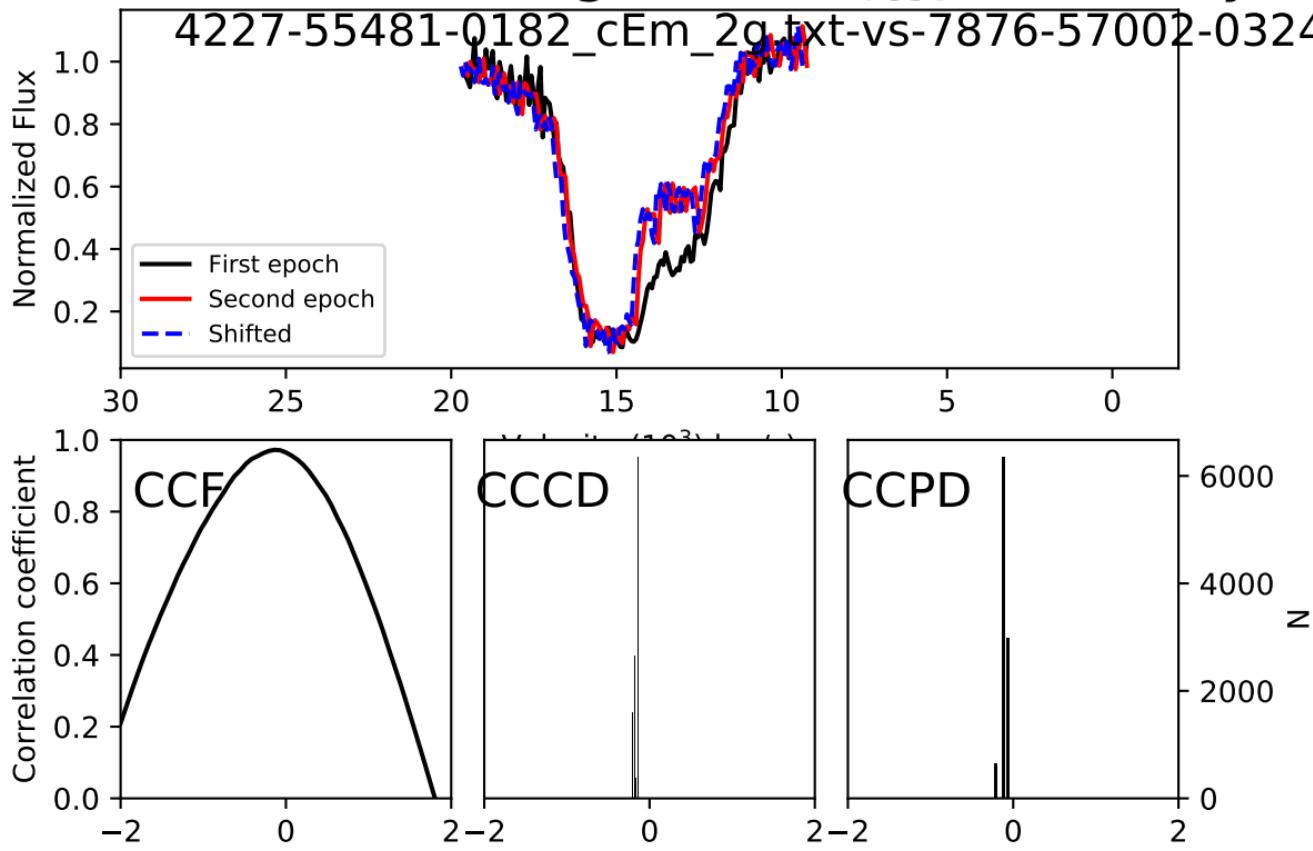
Shift:  $24.8 + 7.2 - 34.4$  km/s, Accel:  $0.020 + 0.006 - 0.028$  cm/s<sup>2</sup>

spectrum  $i = 18$ , Trough 0/0,  $\Delta t_{\text{rest}} = 5.487$  years

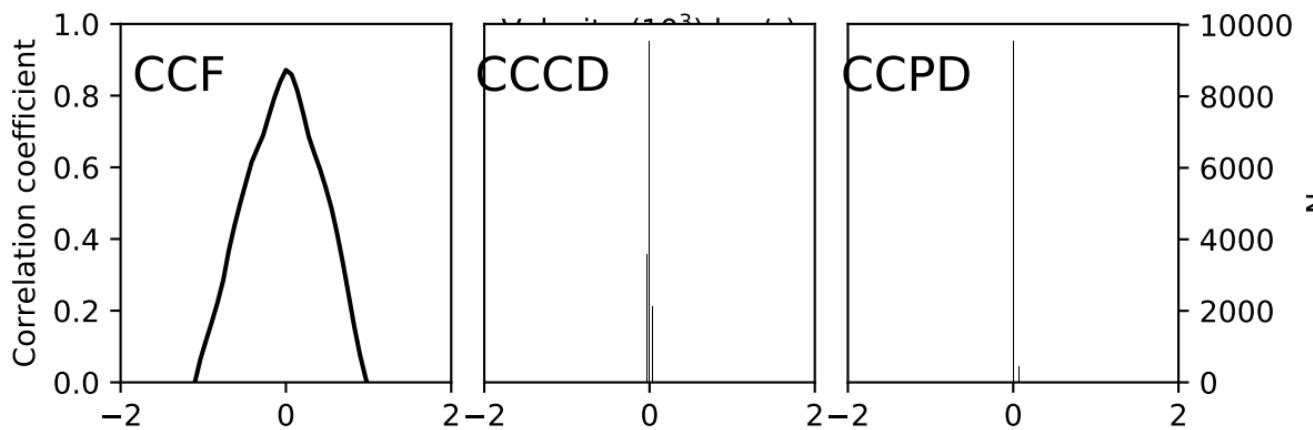
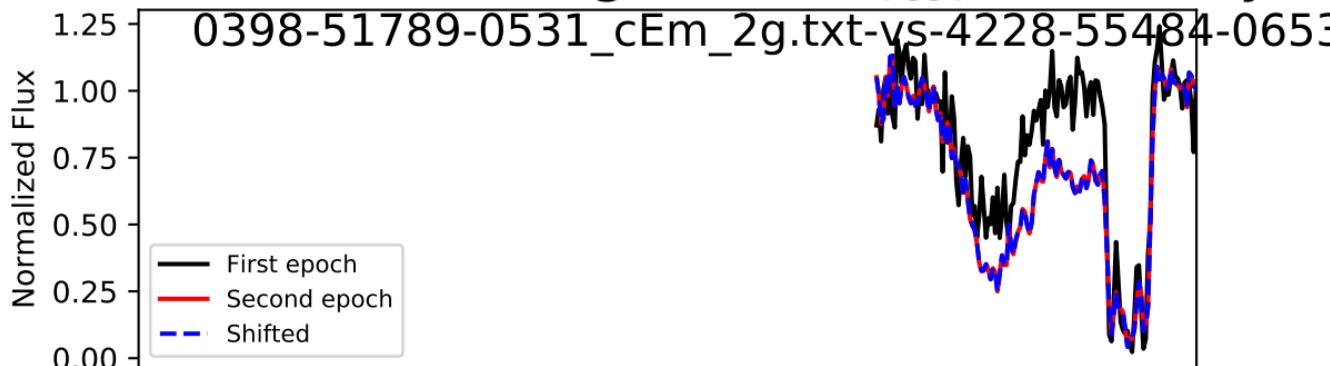


t: -176.4 + 35.3 - 34.9 km/s, Accel: -0.102+ 0.020 - 0.020 cm $^{-2}$

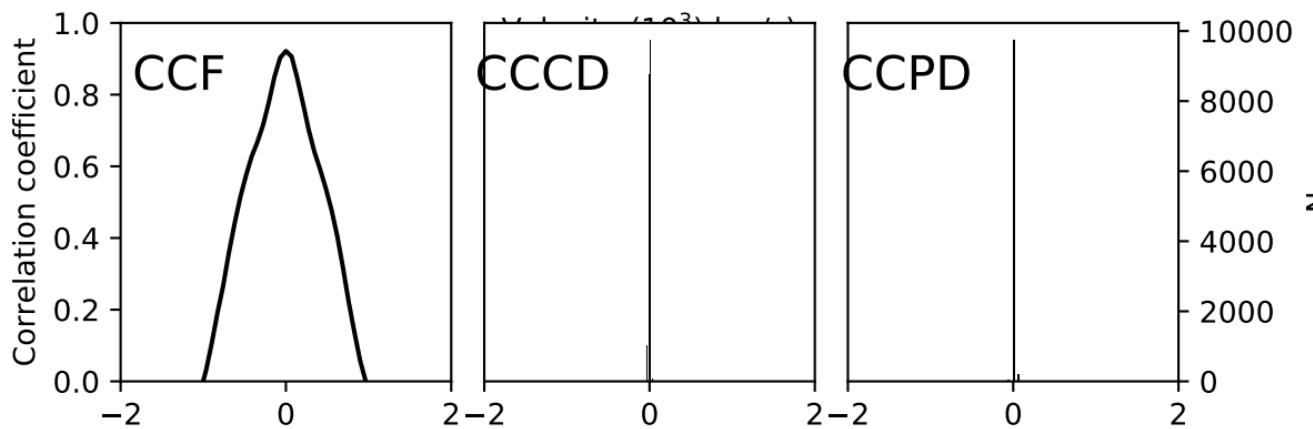
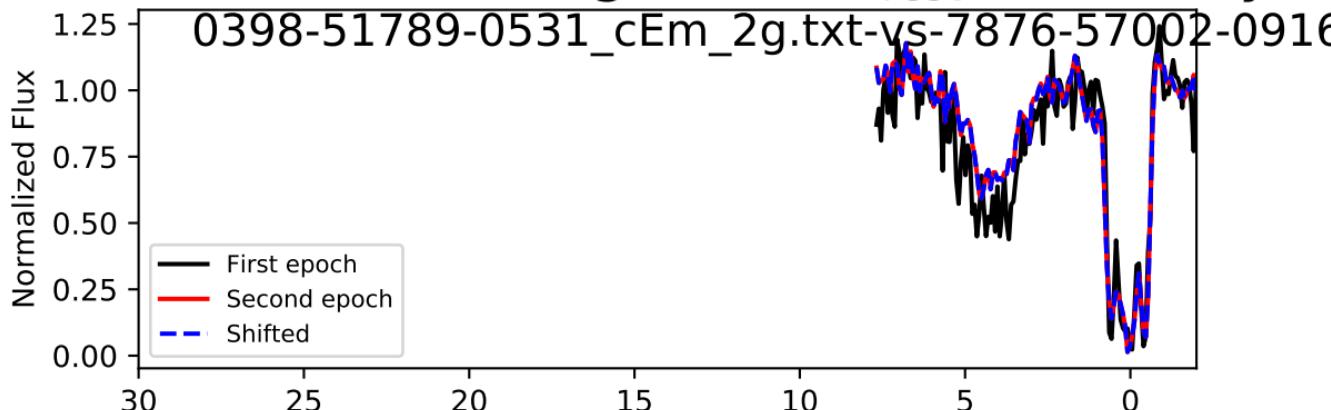
spectrum  $i = 18$ , Trough 0/0,  $\Delta t_{\text{rest}} = 1.601$  years



spectrum i = 19, Trough 0/0,  $\Delta t_{\text{rest}} = 3.677$  years

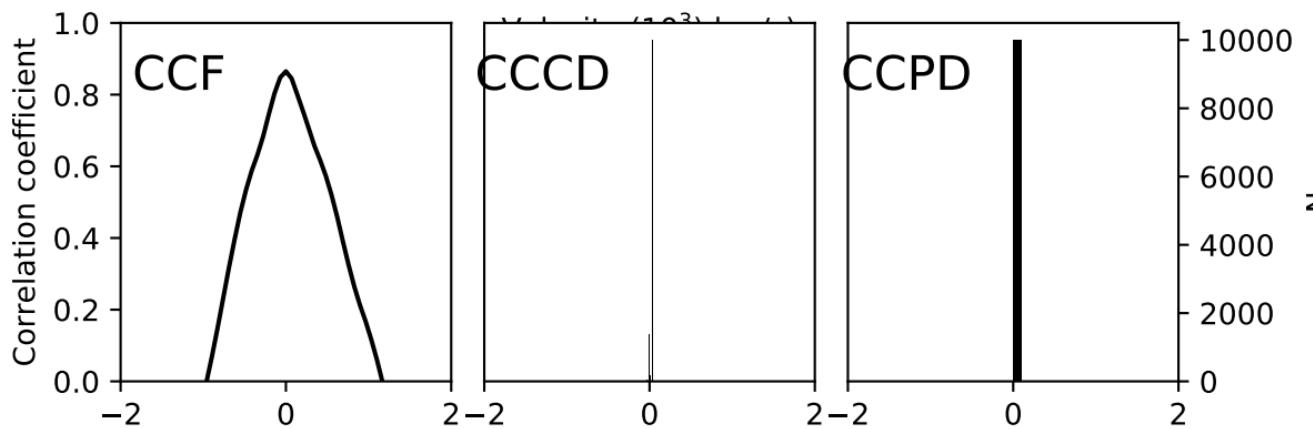
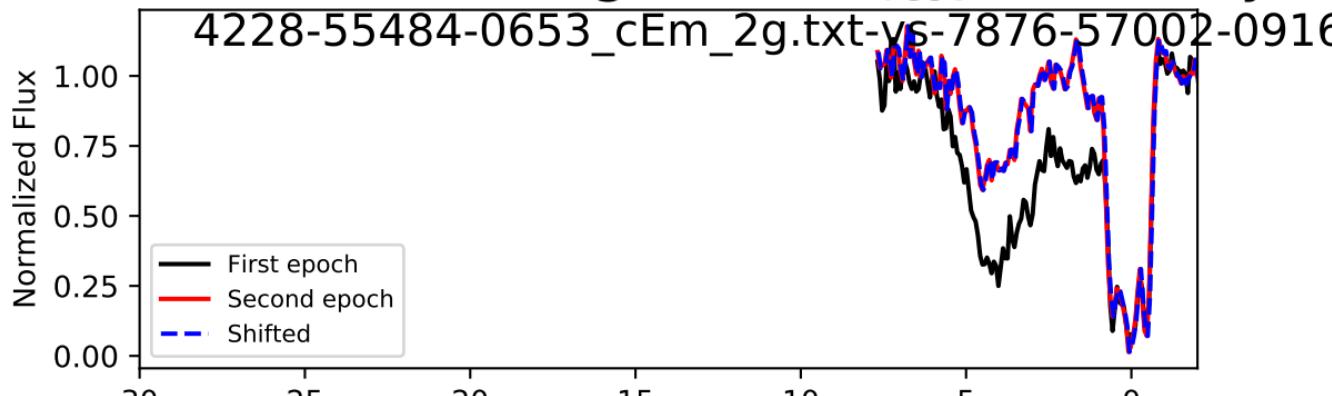


spectrum i = 19, Trough 0/0,  $\Delta t_{\text{rest}} = 5.187$  years

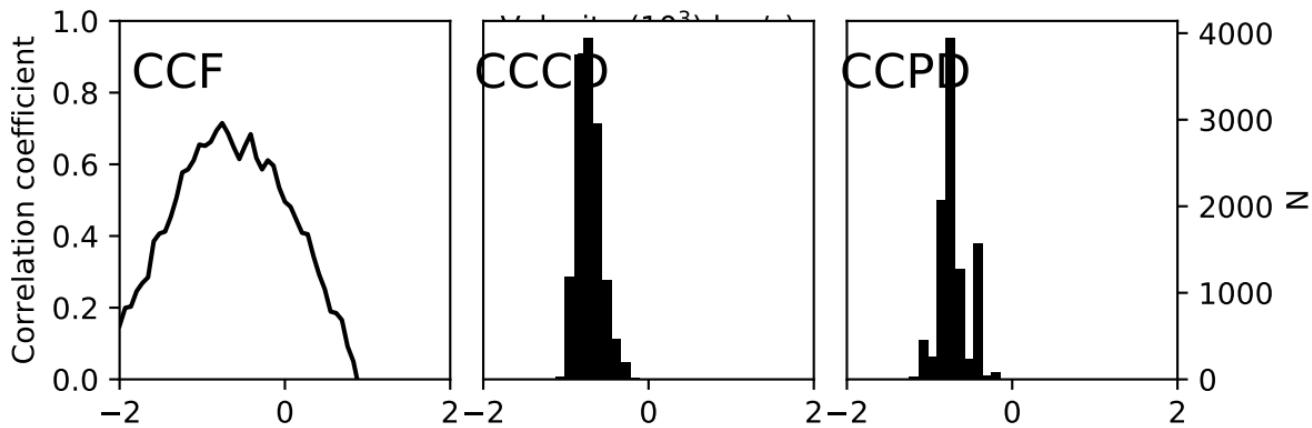
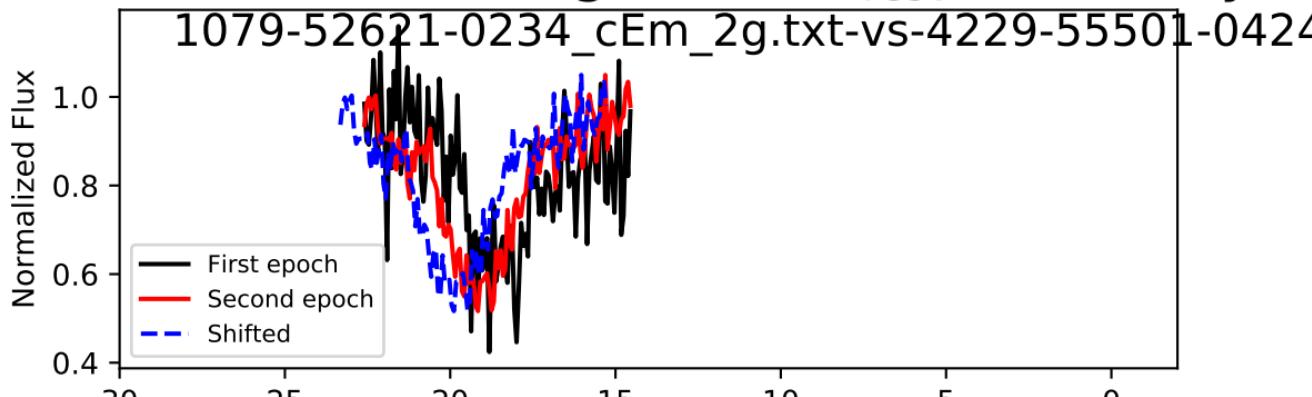


shift: -0.2 + 0.9 - 1.0 km/s, Accel: -0.000+ 0.001 - 0.001 cm

spectrum i = 19, Trough 0/0,  $\Delta t_{\text{rest}} = 1.510$  years

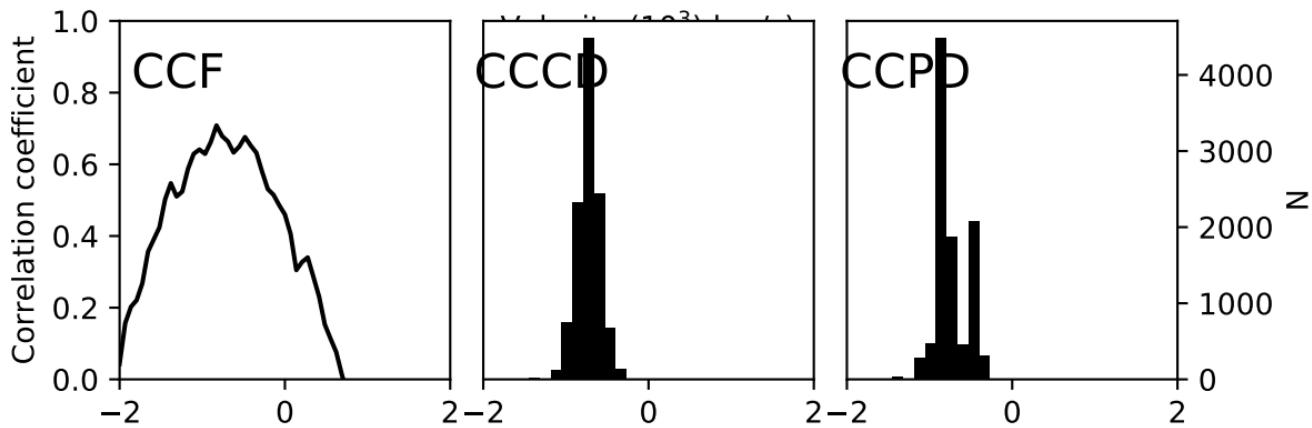
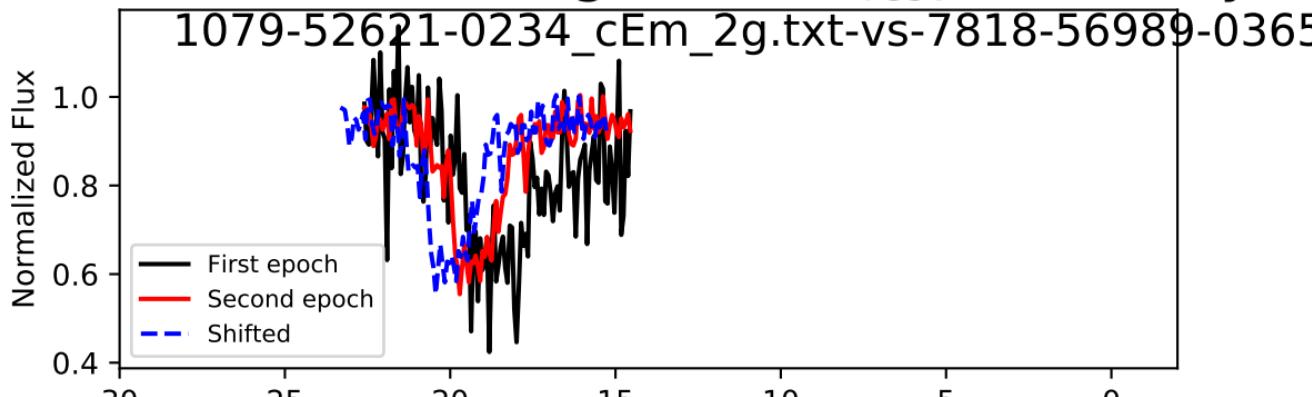


spectrum  $i = 20$ , Trough 0/0,  $\Delta t_{\text{rest}} = 2.424$  years



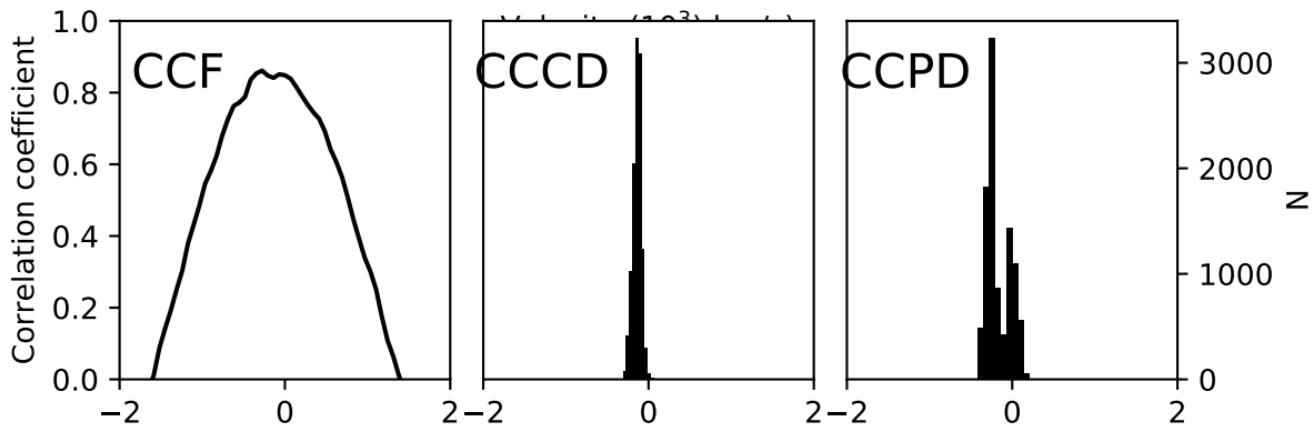
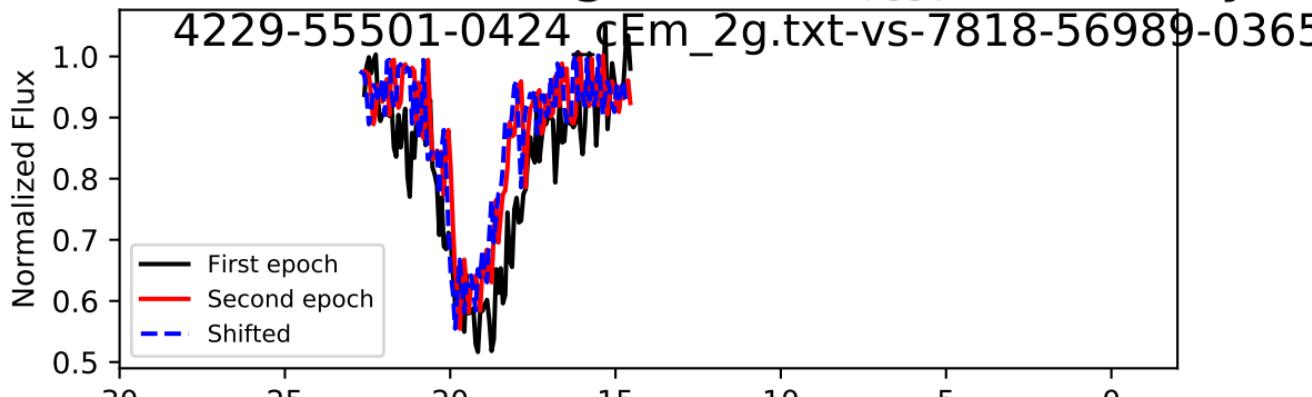
: -725.8 + 138.6 - 135.2 km/s, Accel: -0.949+ 0.181 - 0.177

spectrum  $i = 20$ , Trough 0/0,  $\Delta t_{\text{rest}} = 3.677$  years



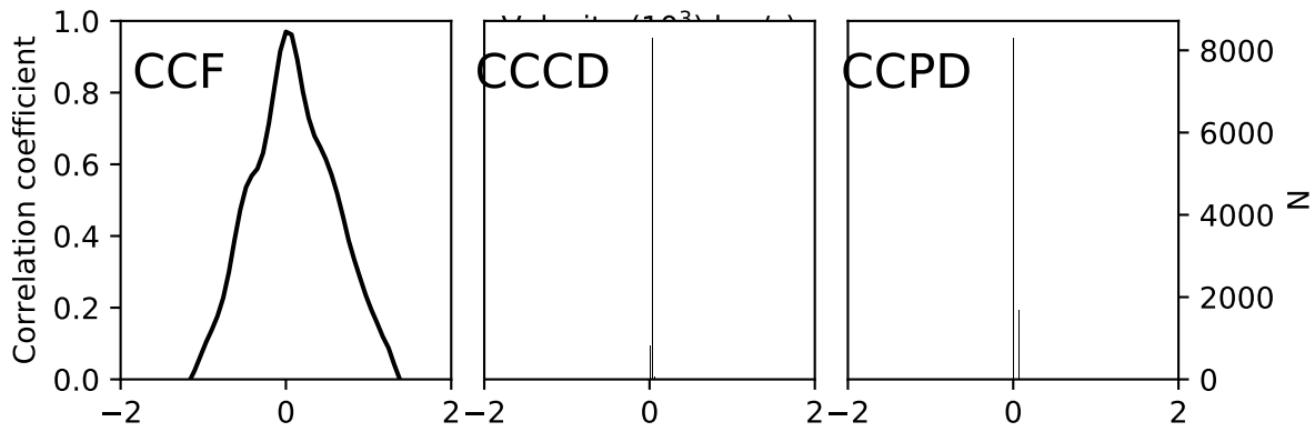
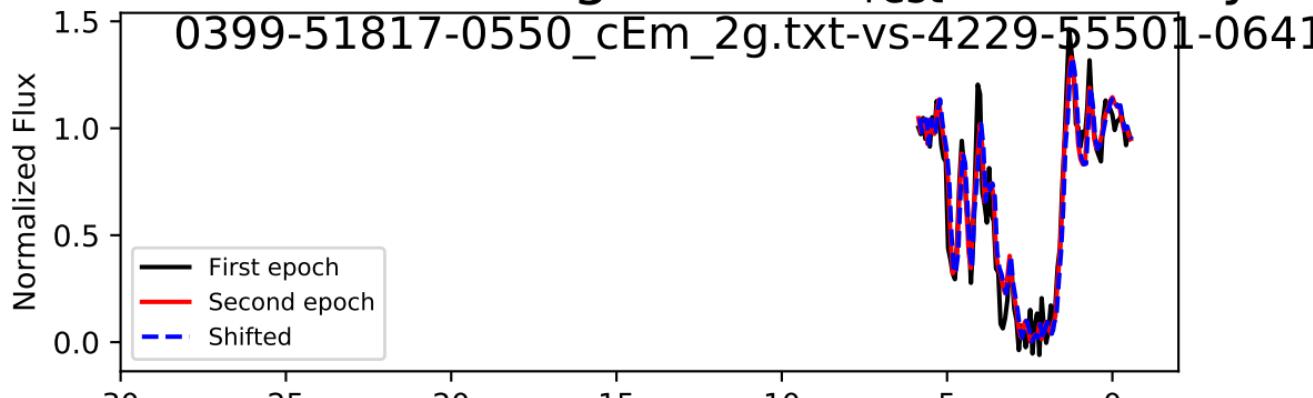
: -725.6 + 112.5 - 133.9 km/s, Accel: -0.626+ 0.097 - 0.115

spectrum i = 20, Trough 0/0,  $\Delta t_{\text{rest}} = 1.252$  years

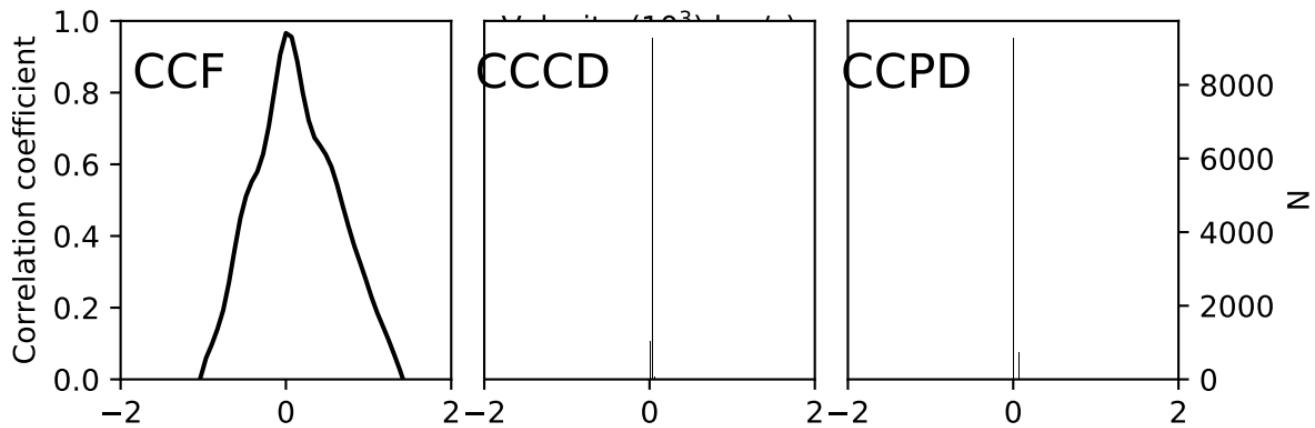
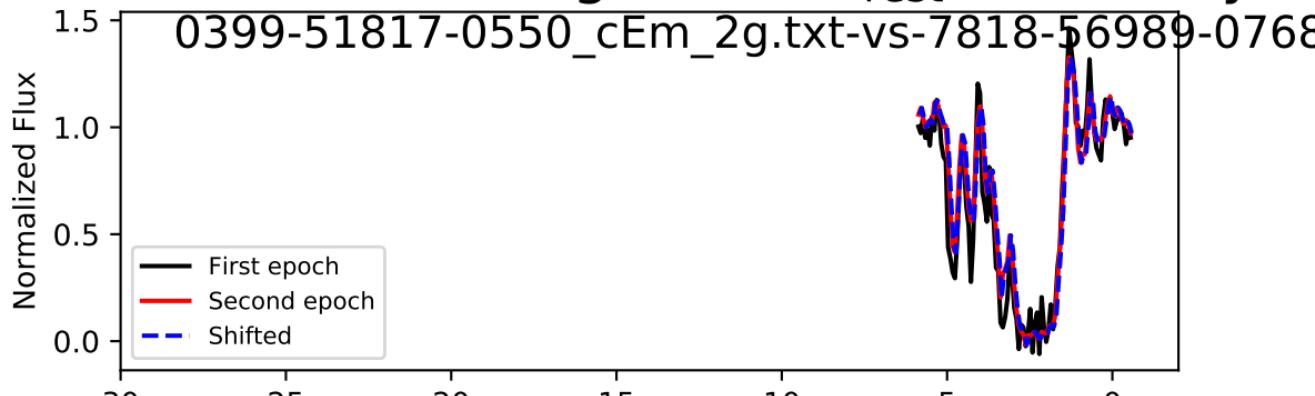


t: -138.8 + 38.1 - 38.6 km/s, Accel: -0.351+ 0.096 - 0.098 cm/s<sup>2</sup>

spectrum  $i = 21$ , Trough 0/0,  $\Delta t_{\text{rest}} = 3.218$  years

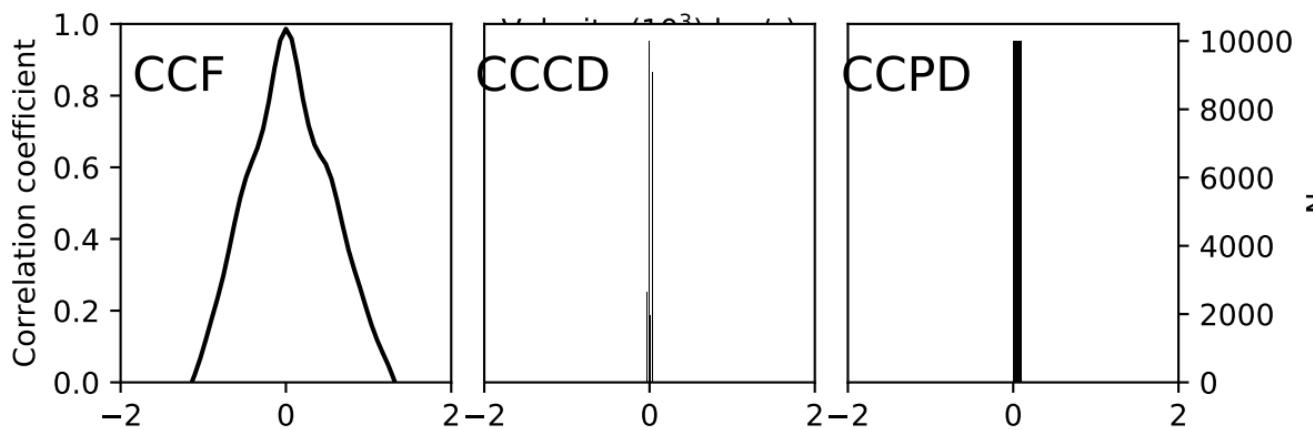
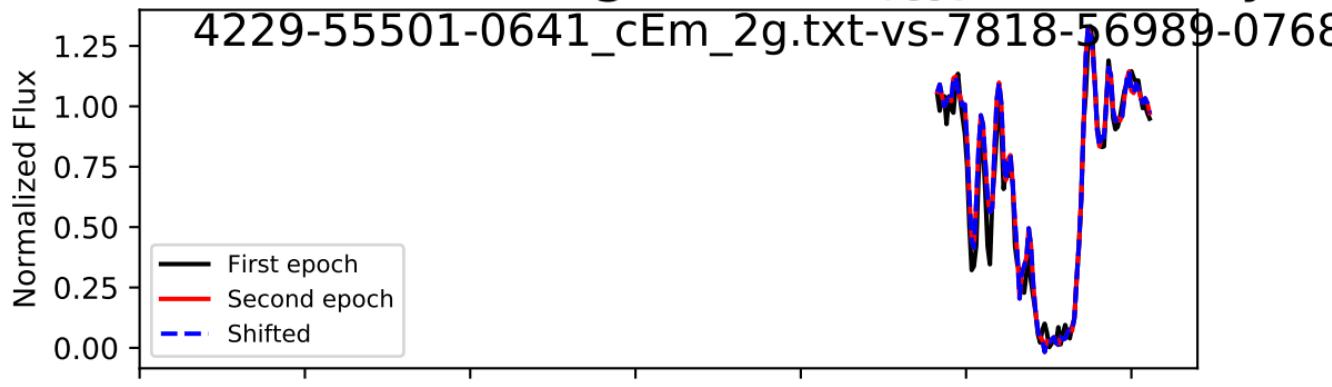


spectrum  $i = 21$ , Trough 0/0,  $\Delta t_{\text{rest}} = 4.518$  years

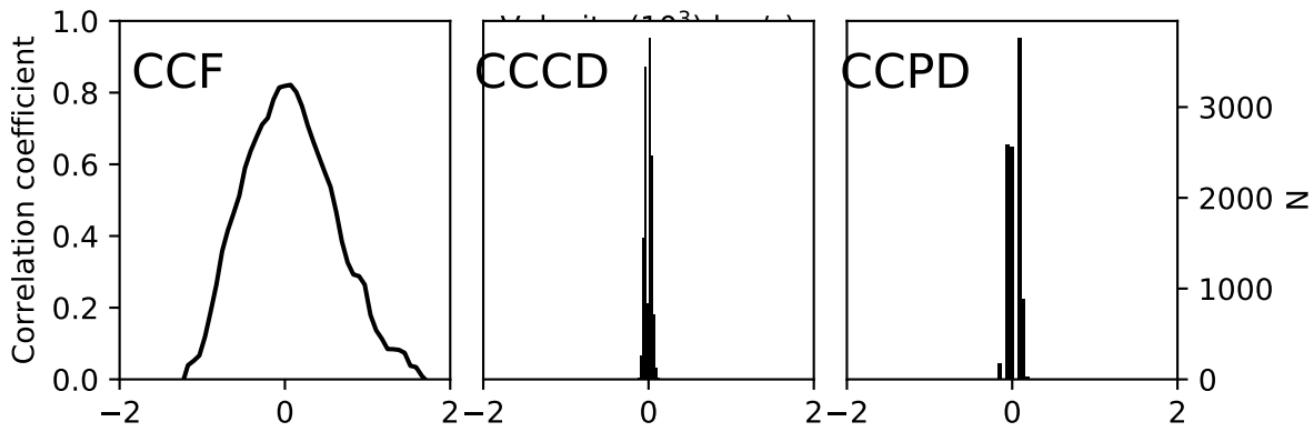
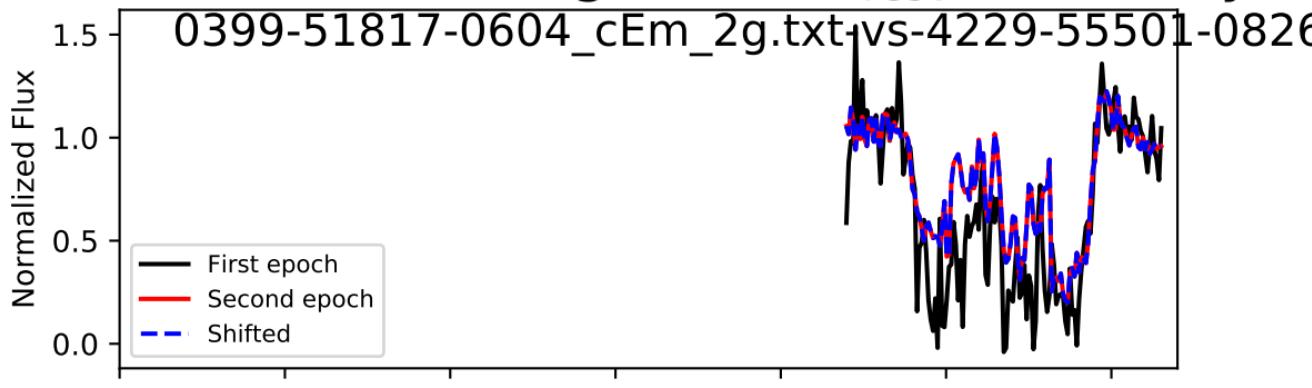


shift:  $33.7 + 1.0 - 1.0$  km/s, Accel:  $0.024 + 0.001 - 0.001$  cm

spectrum i = 21, Trough 0/0,  $\Delta t_{\text{rest}} = 1.300$  years

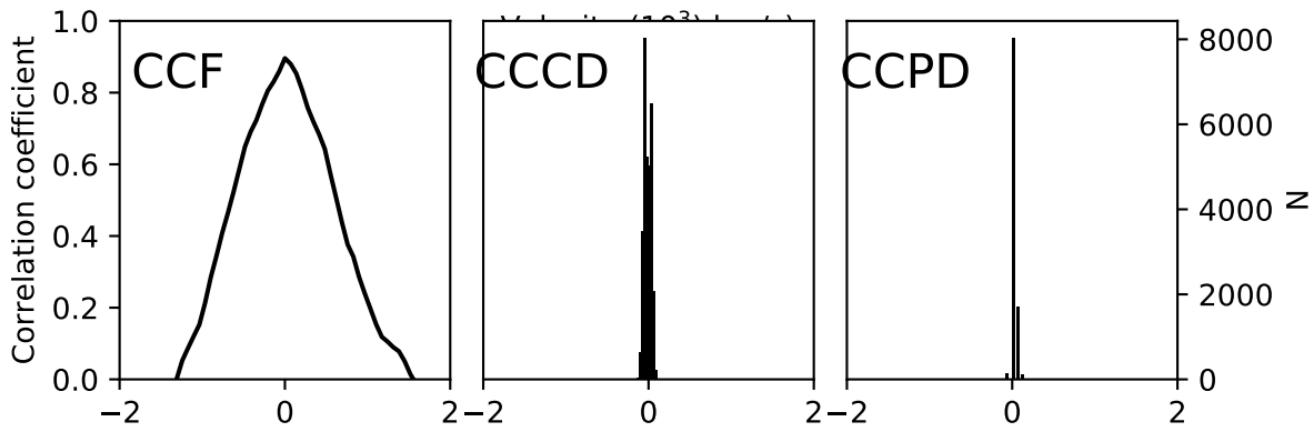
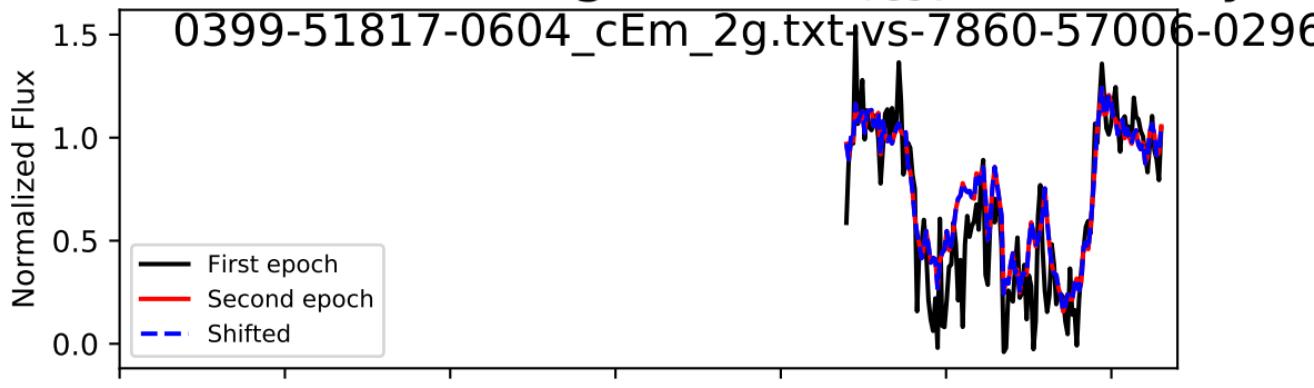


spectrum i = 22, Trough 0/0,  $\Delta t_{\text{rest}} = 3.632$  years

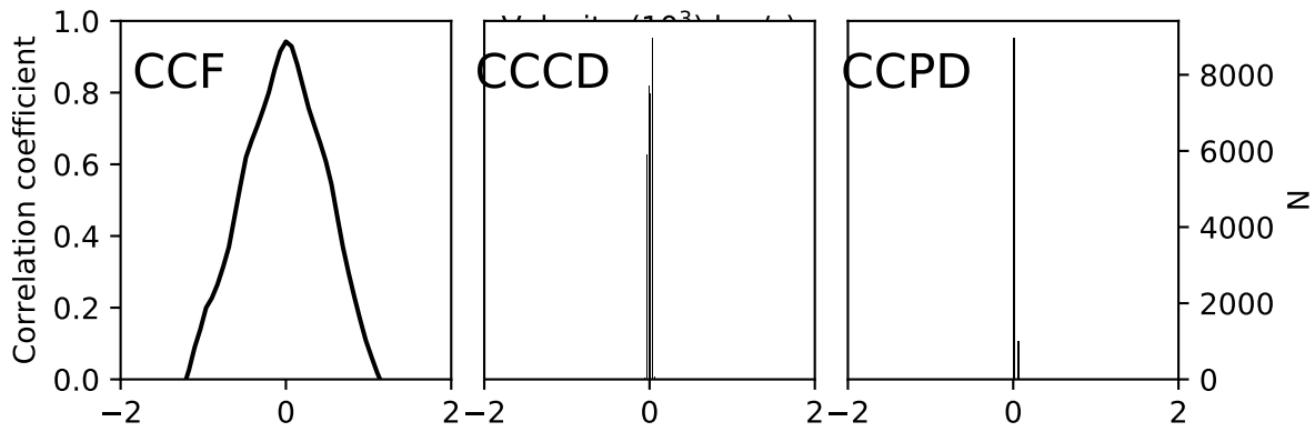
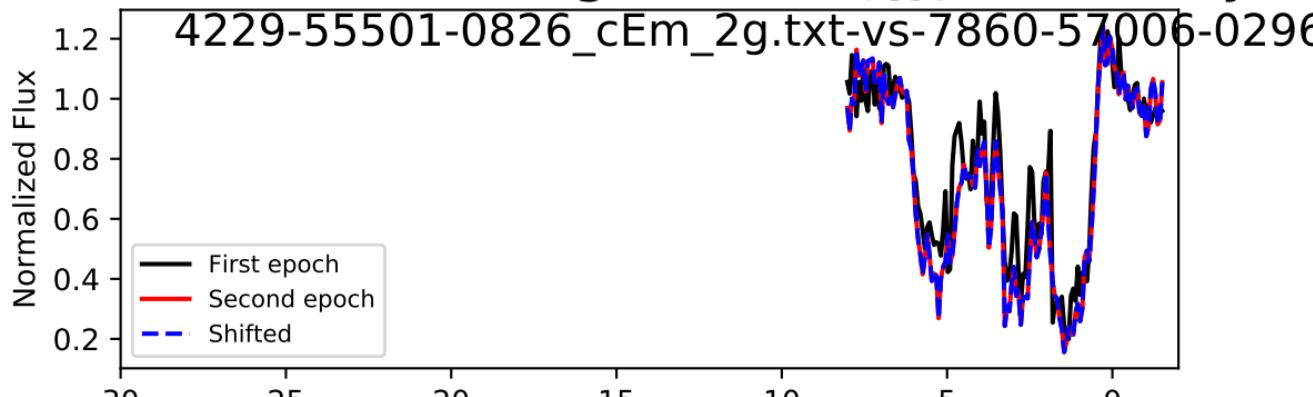


Shift: -0.0 + 33.7 - 34.3 km/s, Accel: -0.000+ 0.029 - 0.030 cm/s<sup>2</sup>

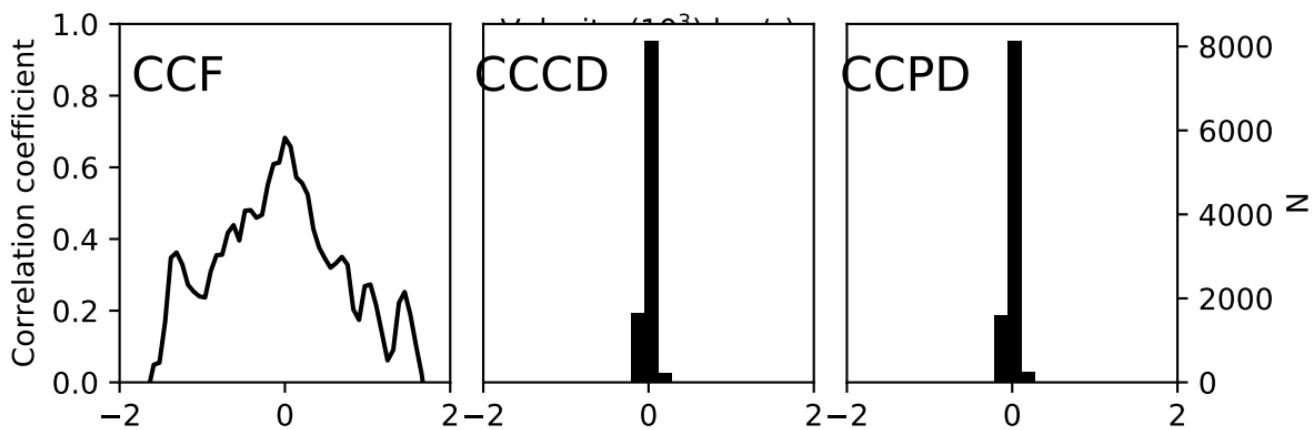
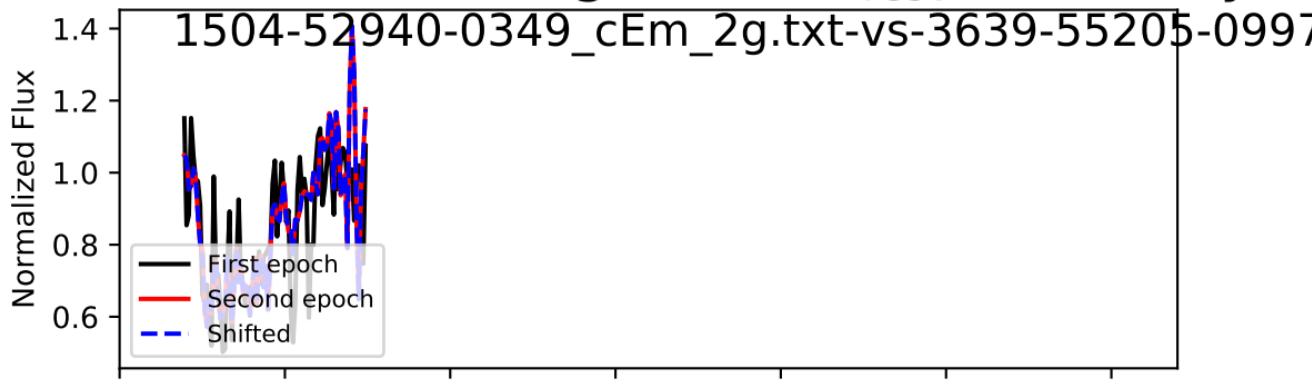
spectrum  $i = 22$ , Trough 0/0,  $\Delta t_{\text{rest}} = 5.116$  years



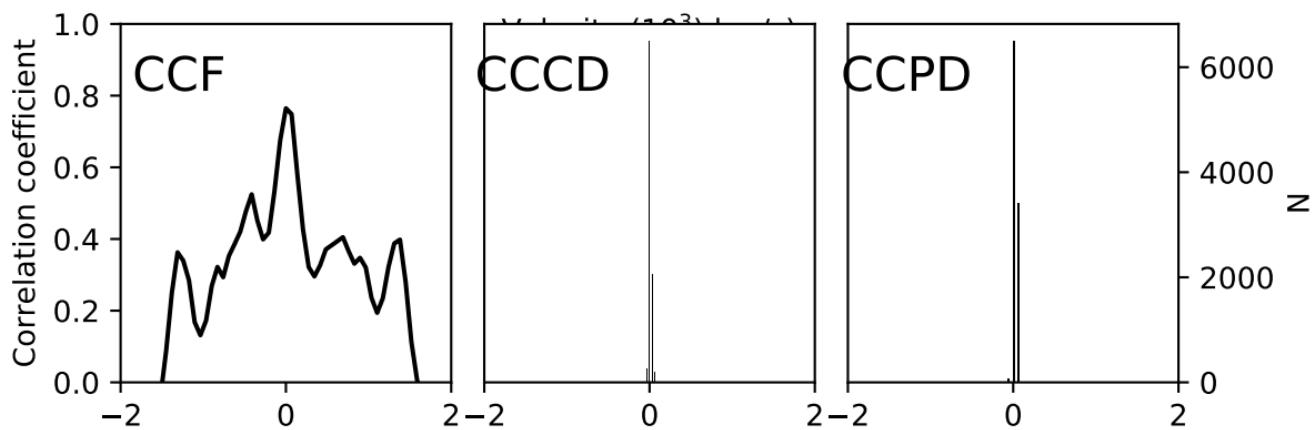
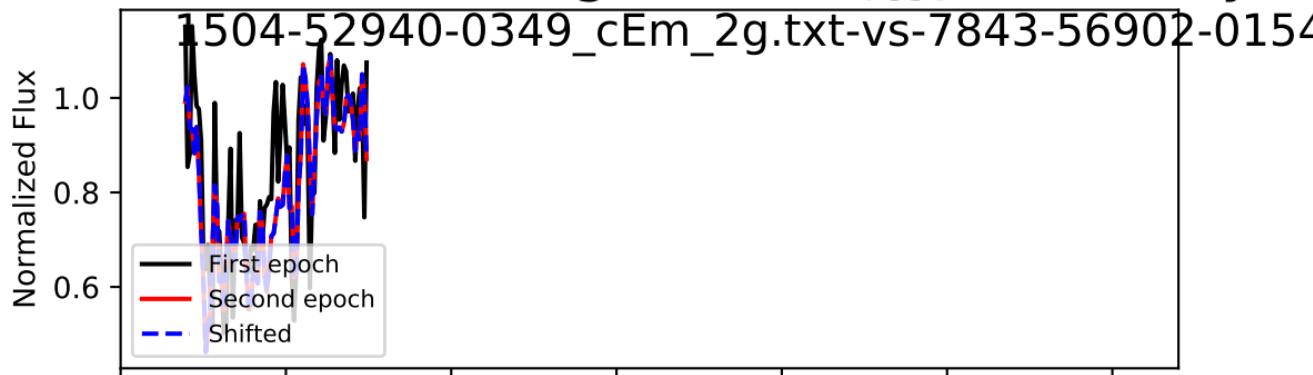
spectrum  $i = 22$ , Trough 0/0,  $\Delta t_{\text{rest}} = 1.484$  years



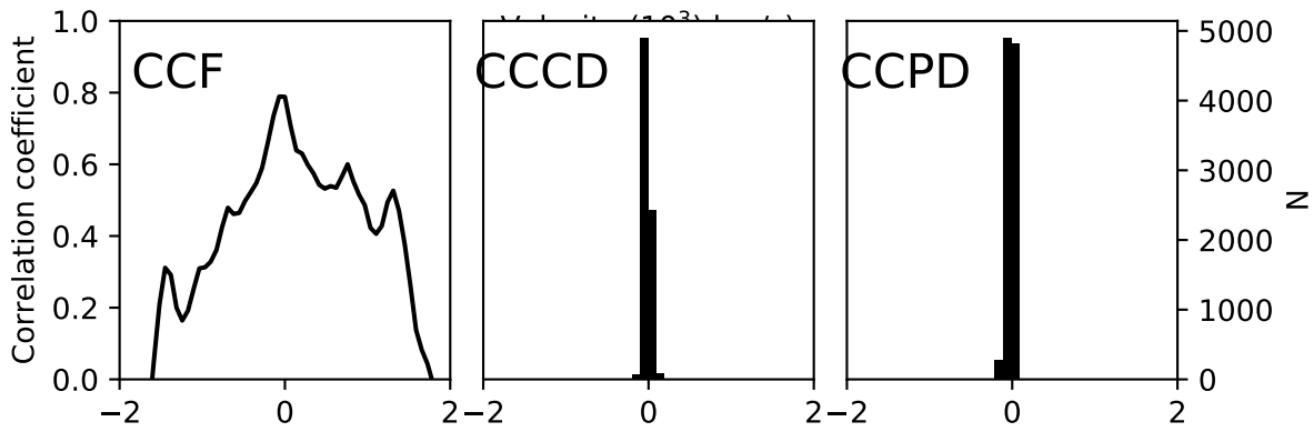
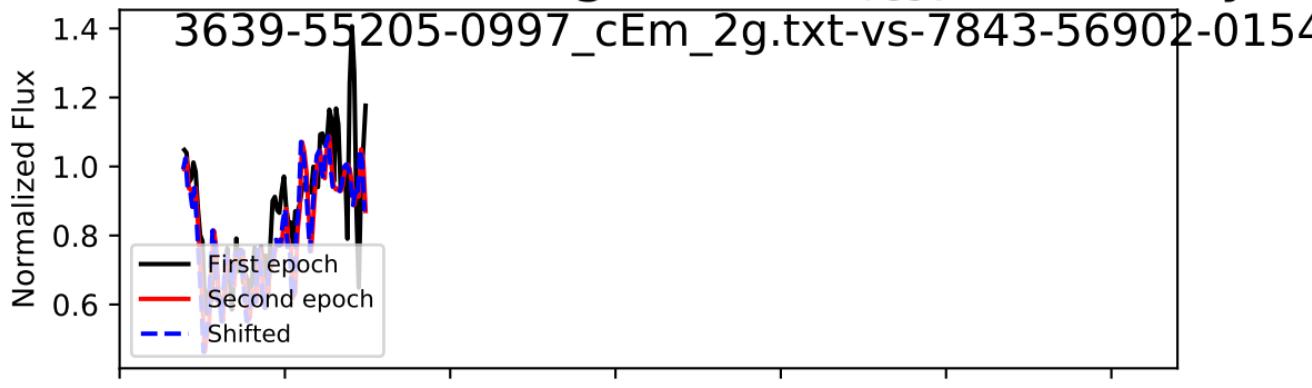
spectrum i = 23, Trough 0/1,  $\Delta t_{\text{rest}} = 1.631$  year



spectrum i = 23, Trough 0/1,  $\Delta t_{\text{rest}} = 2.853$  years

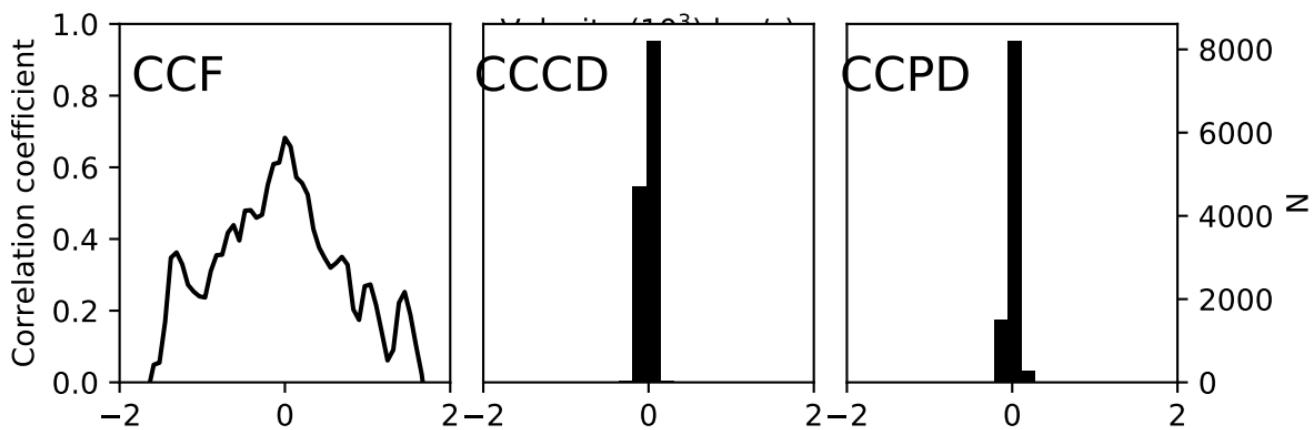
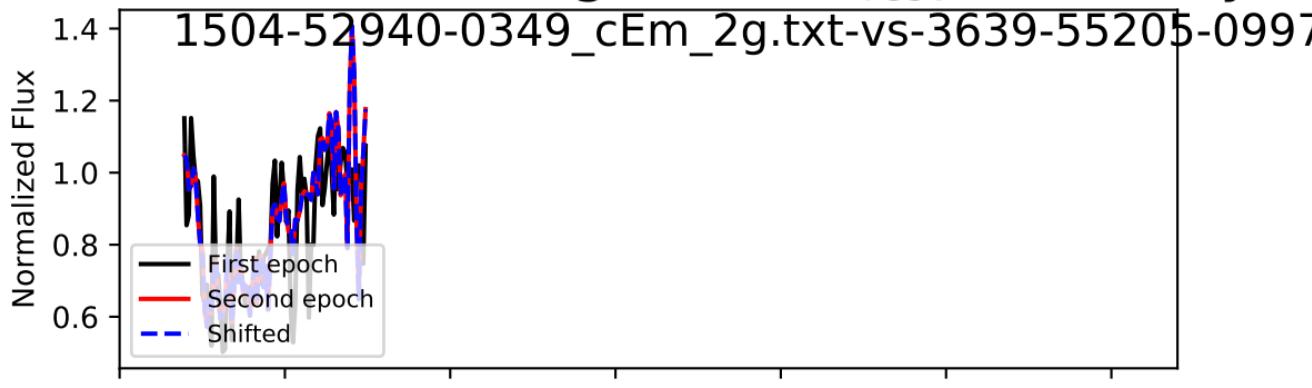


spectrum i = 23, Trough 0/1,  $\Delta t_{\text{rest}} = 1.222$  years



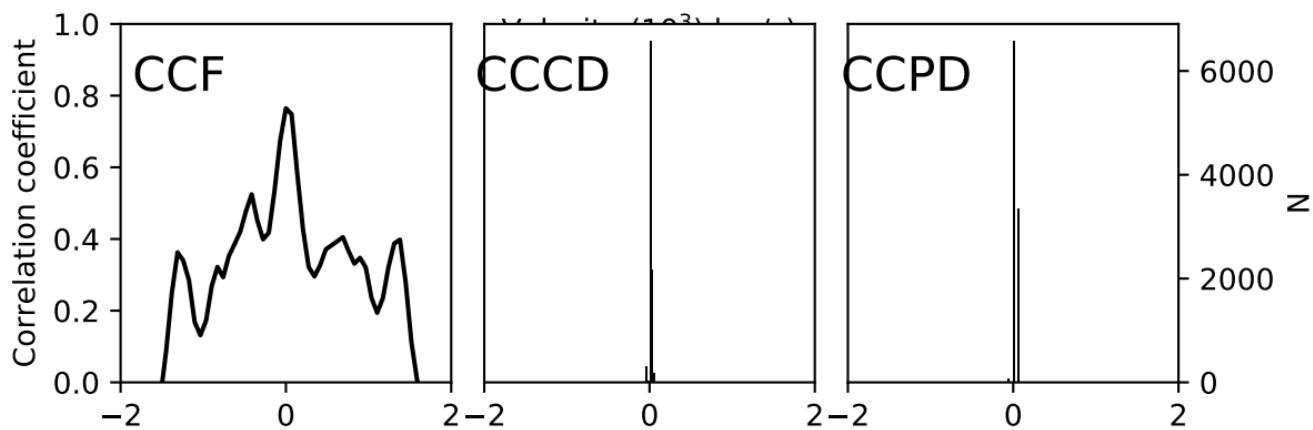
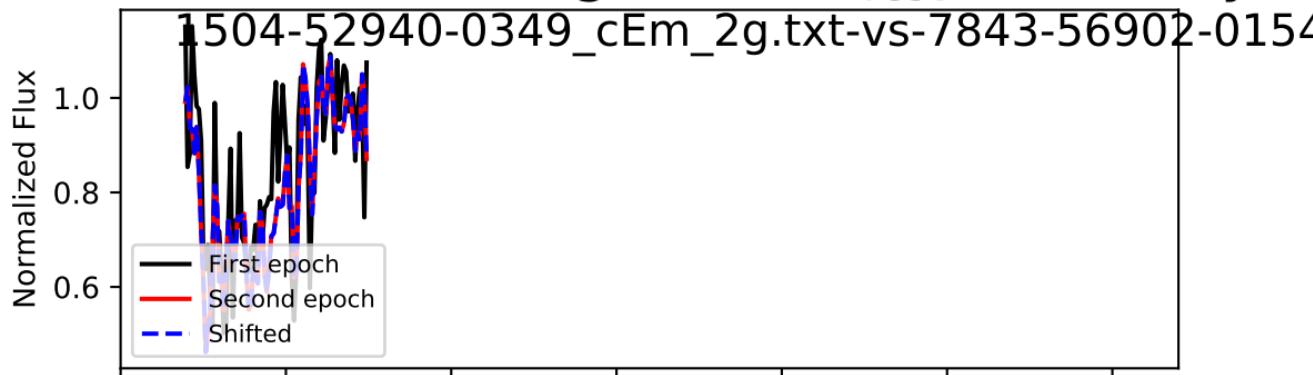
ft: -35.2 + 36.7 - 33.1 km/s, Accel: -0.091+ 0.095 - 0.086 cm

spectrum i = 23, Trough 1/1,  $\Delta t_{\text{rest}} = 1.631$  year

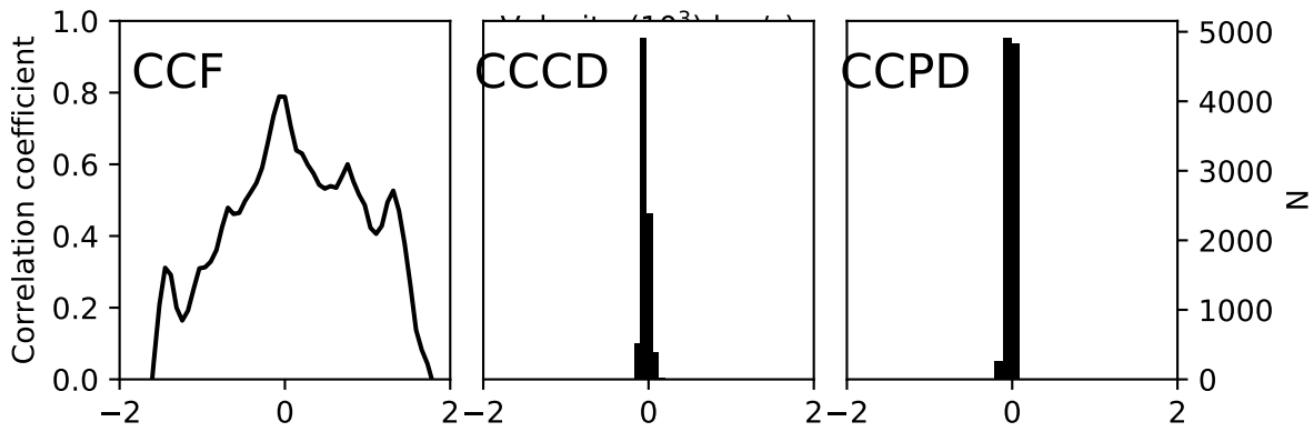
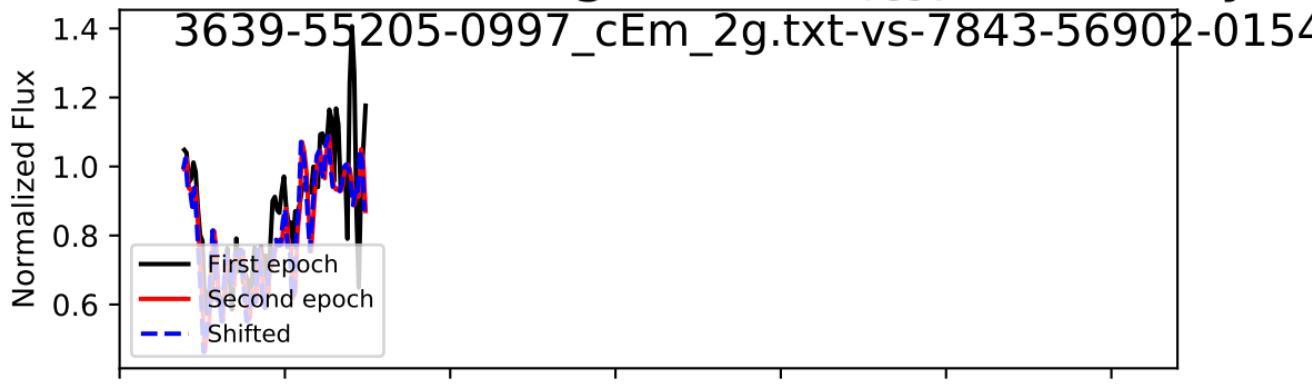


Shift: 0.9 + 63.1 - 62.0 km/s, Accel: 0.002+ 0.123 - 0.121 cm

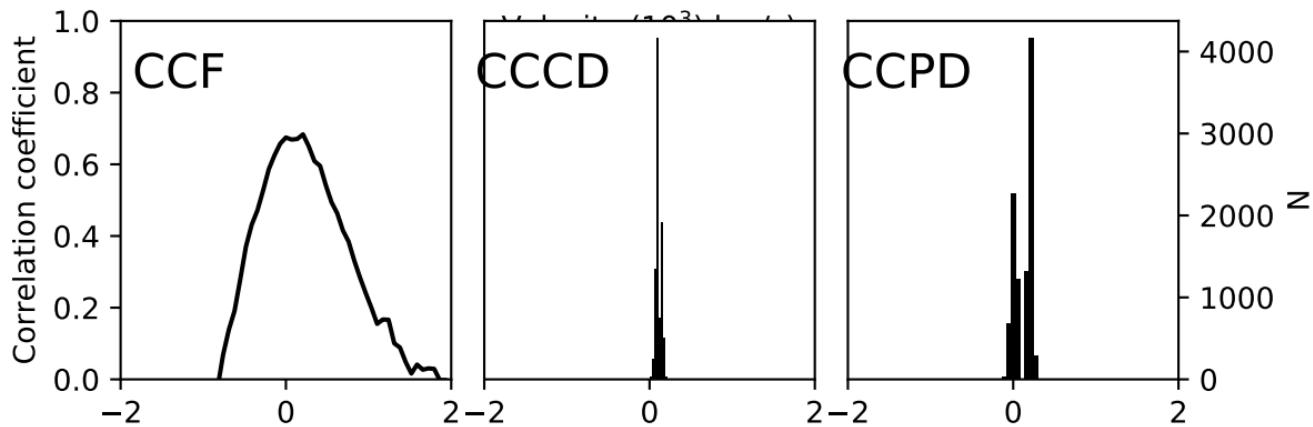
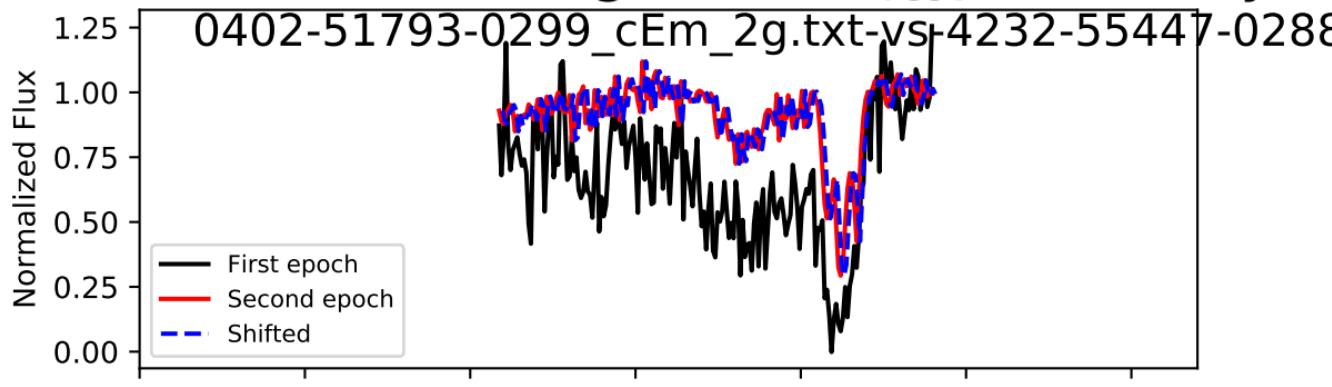
spectrum i = 23, Trough 1/1,  $\Delta t_{\text{rest}} = 2.853$  years



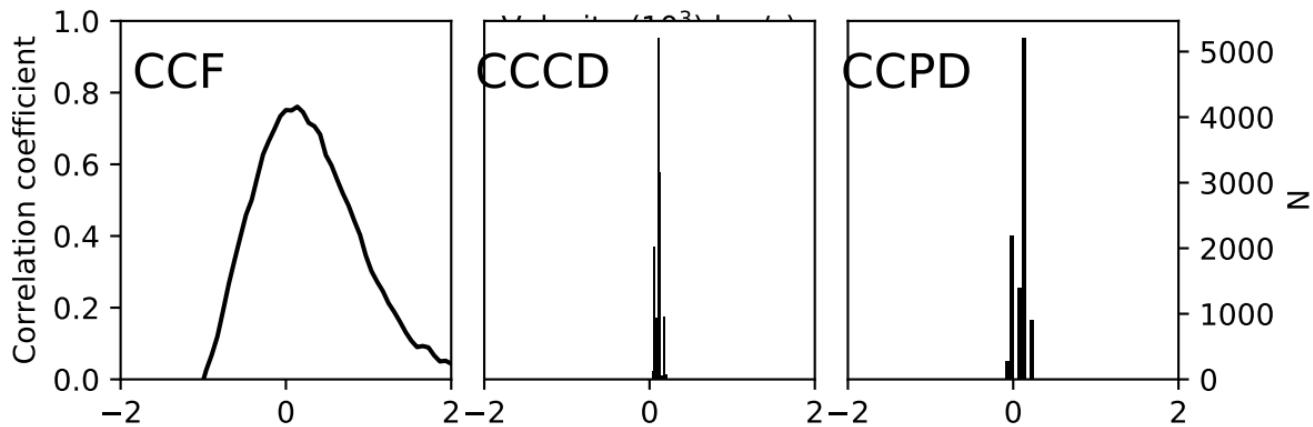
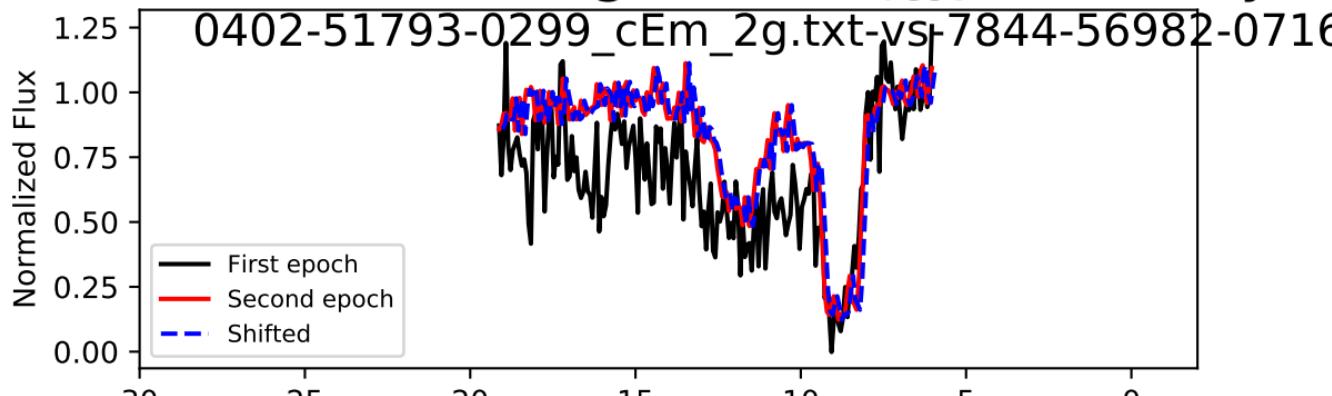
spectrum i = 23, Trough 1/1,  $\Delta t_{\text{rest}} = 1.222$  years



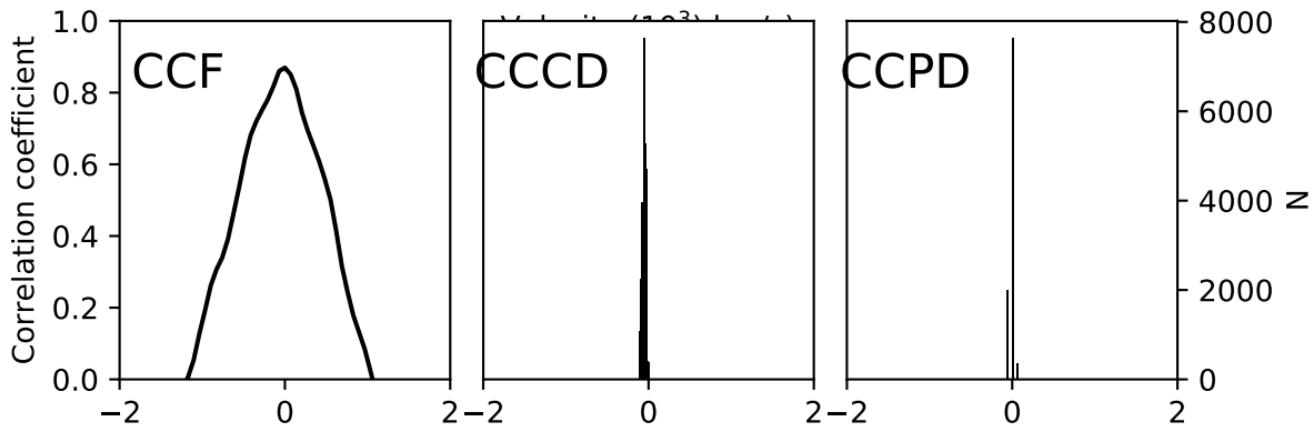
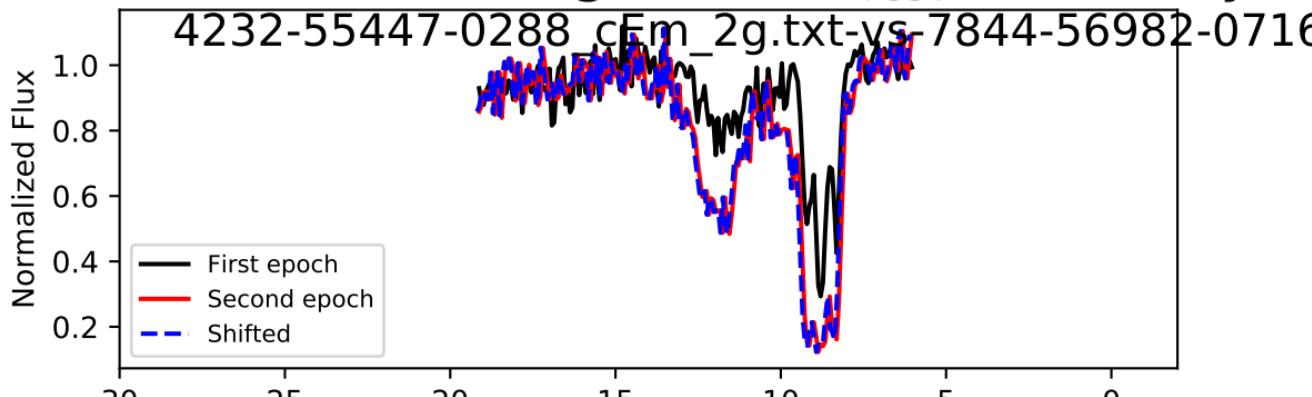
spectrum i = 24, Trough 0/0,  $\Delta t_{\text{rest}} = 3.550$  years



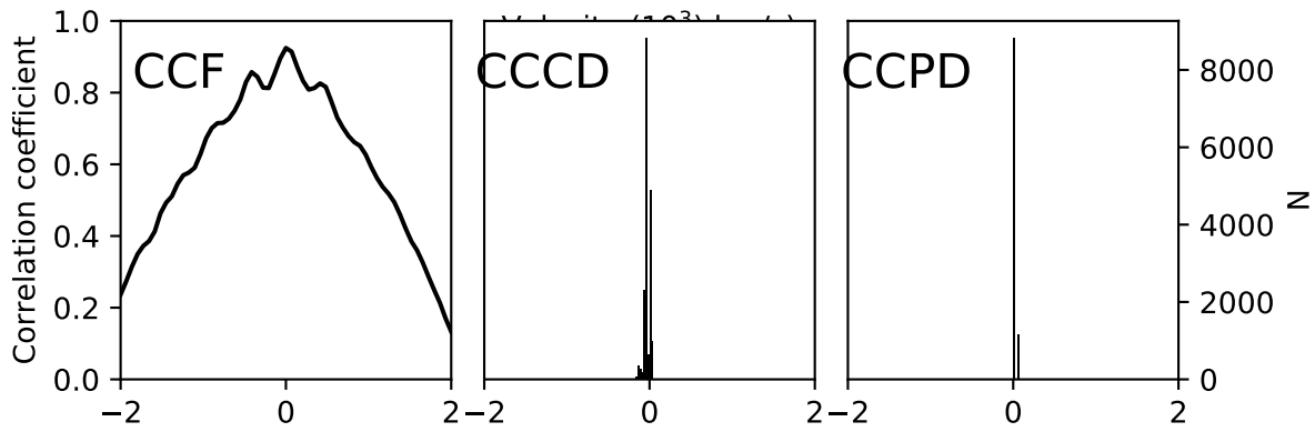
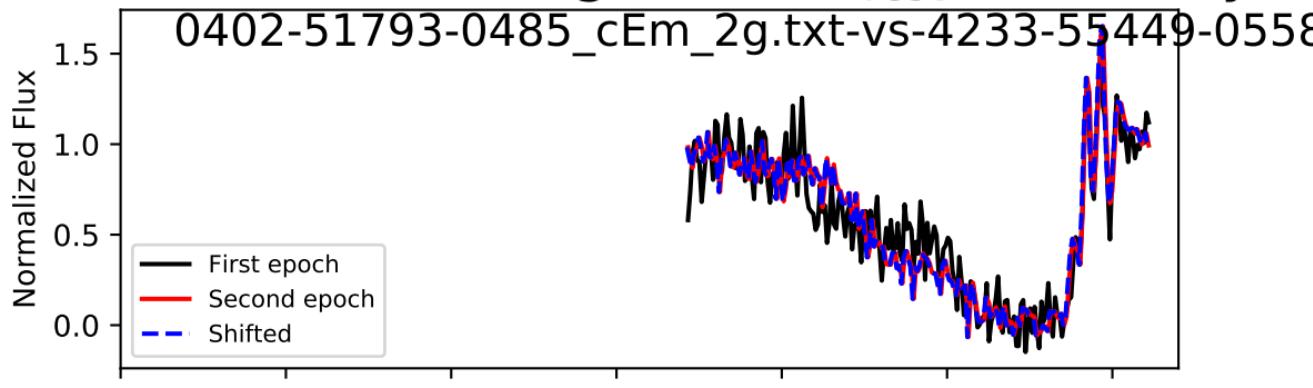
spectrum  $i = 24$ , Trough 0/0,  $\Delta t_{\text{rest}} = 5.042$  years



spectrum i = 24, Trough 0/0,  $\Delta t_{\text{rest}} = 1.492$  years

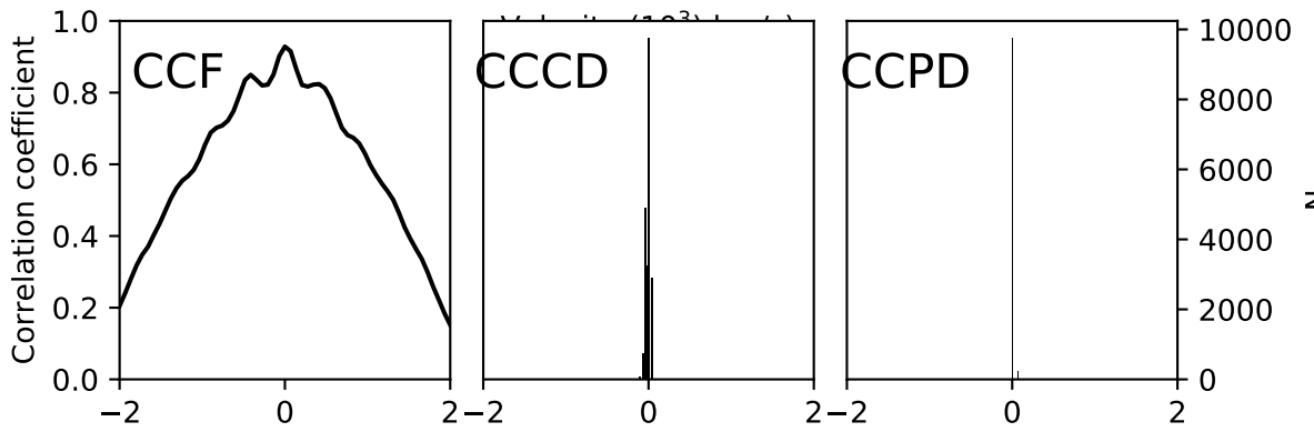
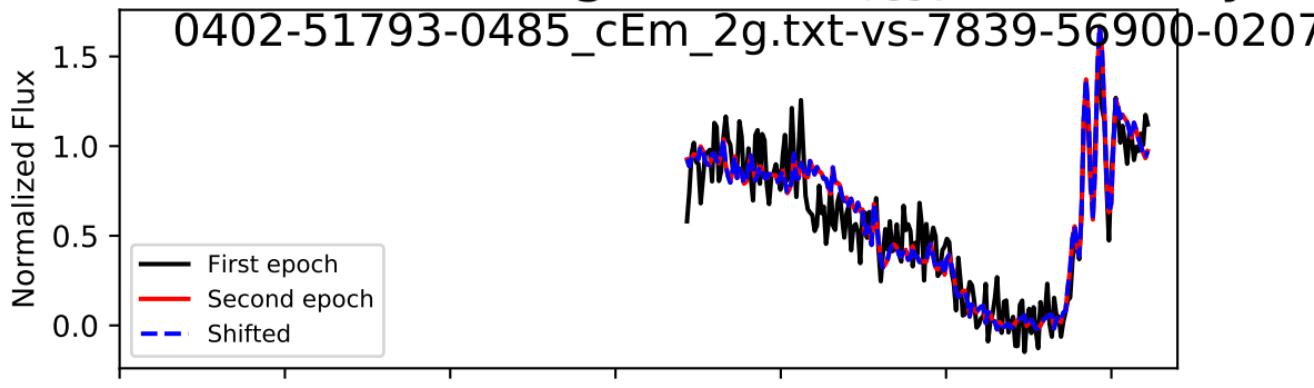


spectrum  $i = 25$ , Trough 0/0,  $\Delta t_{\text{rest}} = 3.338$  years



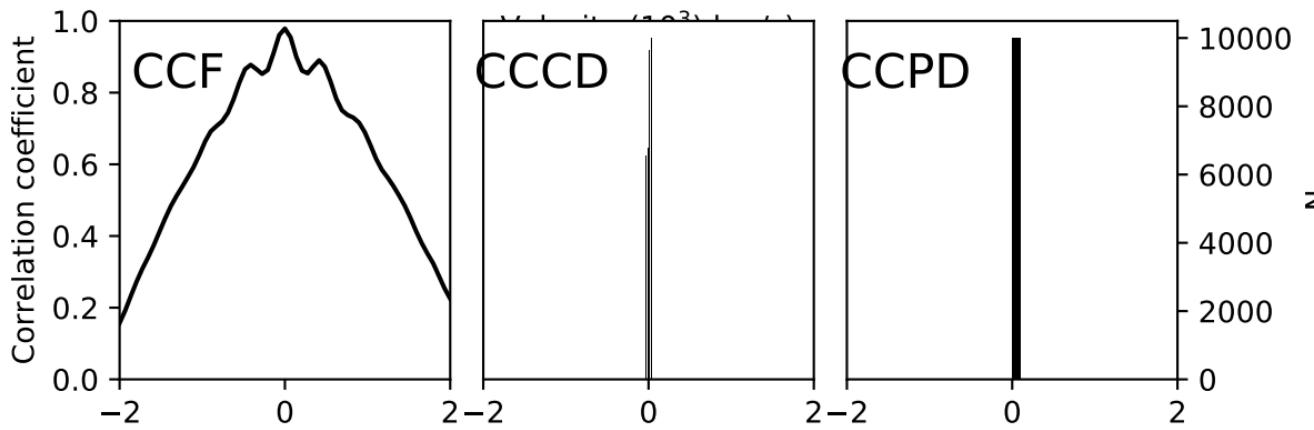
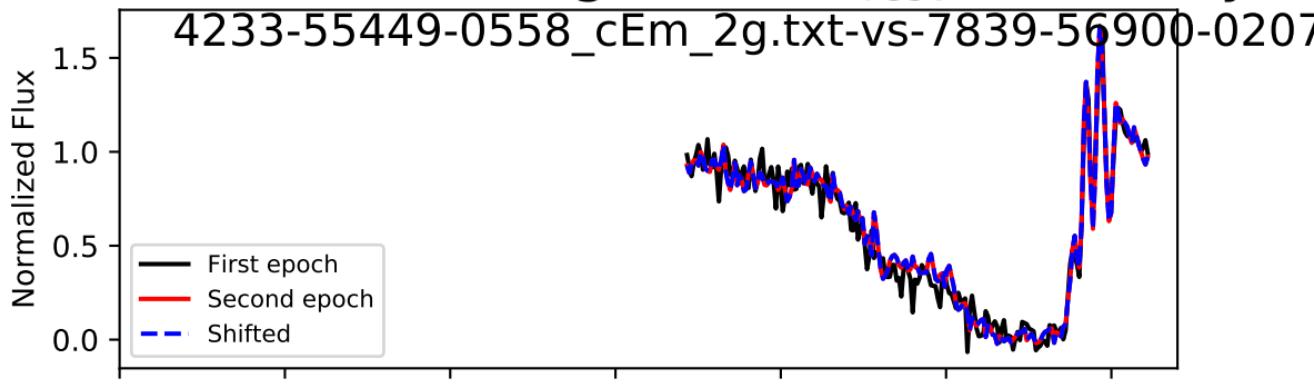
ft:  $-32.6 + 32.4 - 31.1$  km/s, Accel:  $-0.031 + 0.031 - 0.030$  cm/s<sup>2</sup>

spectrum i = 25, Trough 0/0,  $\Delta t_{\text{rest}} = 4.662$  years

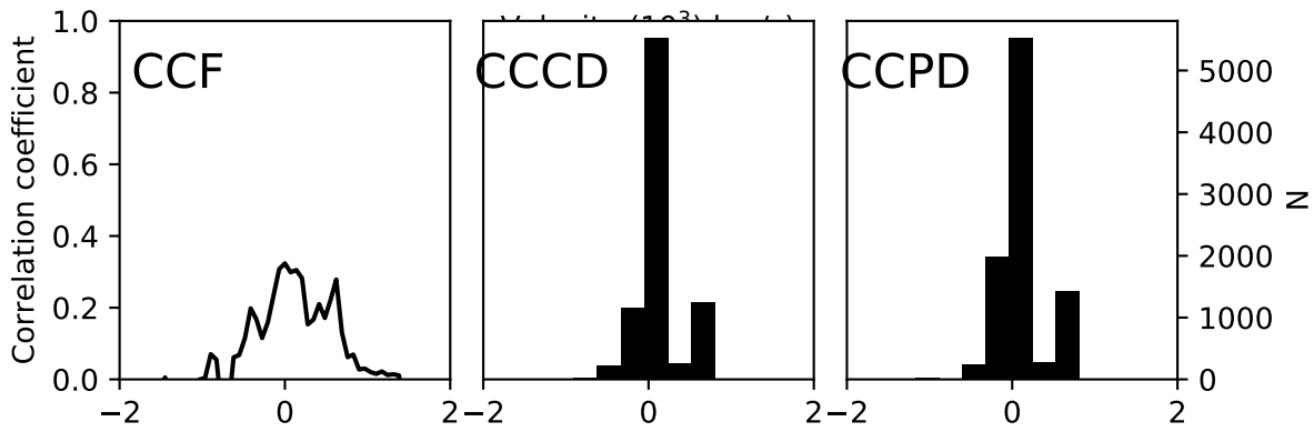
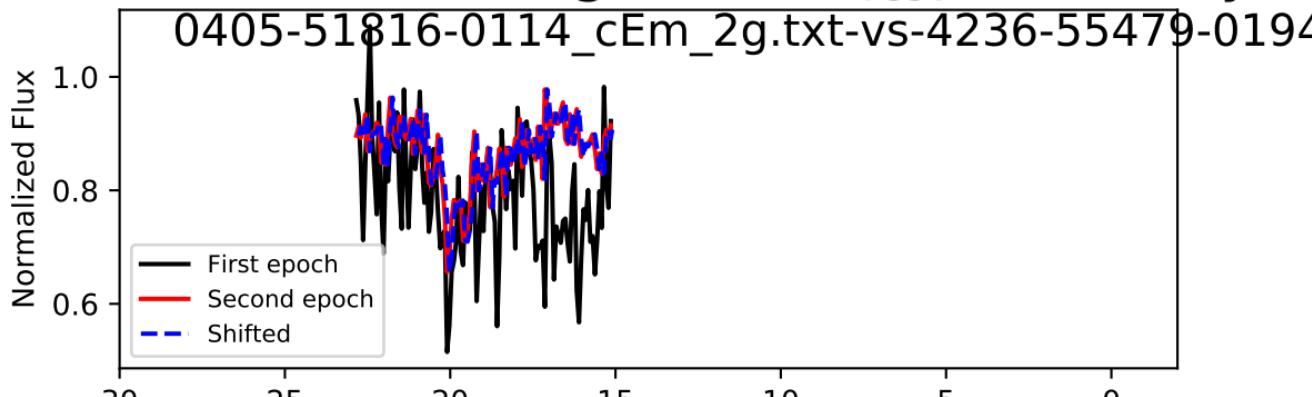


shift:  $-2.9 + 4.0 - 32.1$  km/s, Accel:  $-0.002 + 0.003 - 0.022$  cm/s<sup>2</sup>

spectrum i = 25, Trough 0/0,  $\Delta t_{\text{rest}} = 1.325$  years

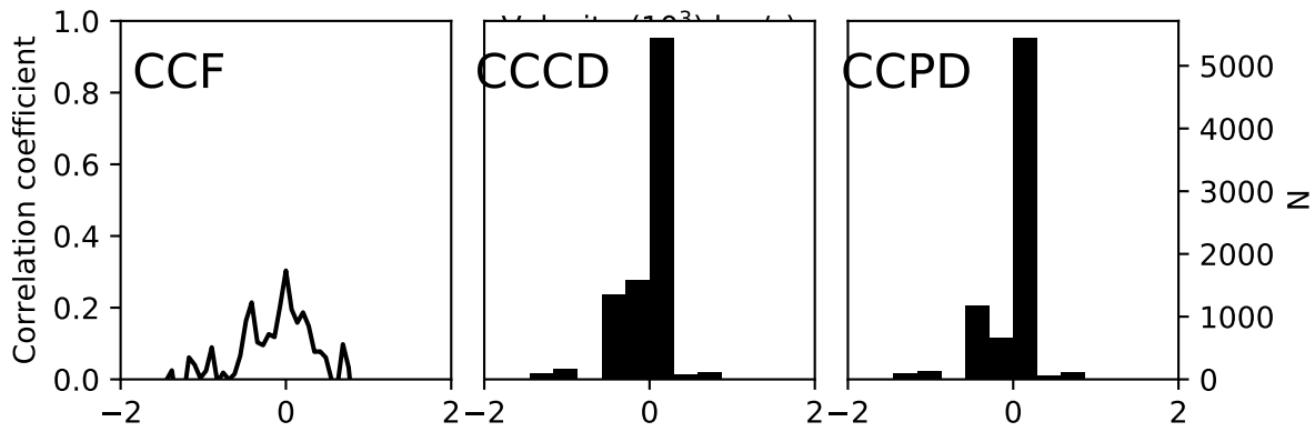
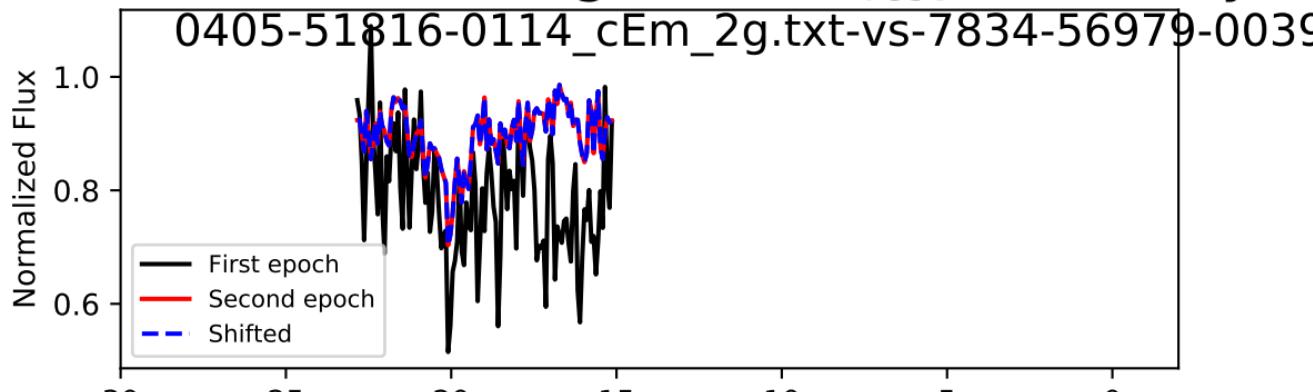


spectrum  $i = 27$ , Trough 0/1,  $\Delta t_{\text{rest}} = 3.111$  years



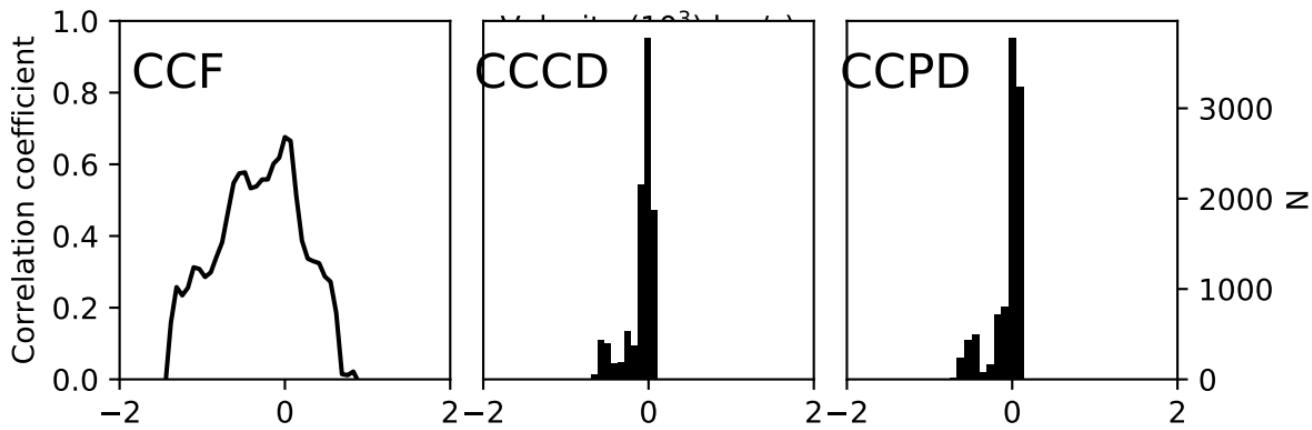
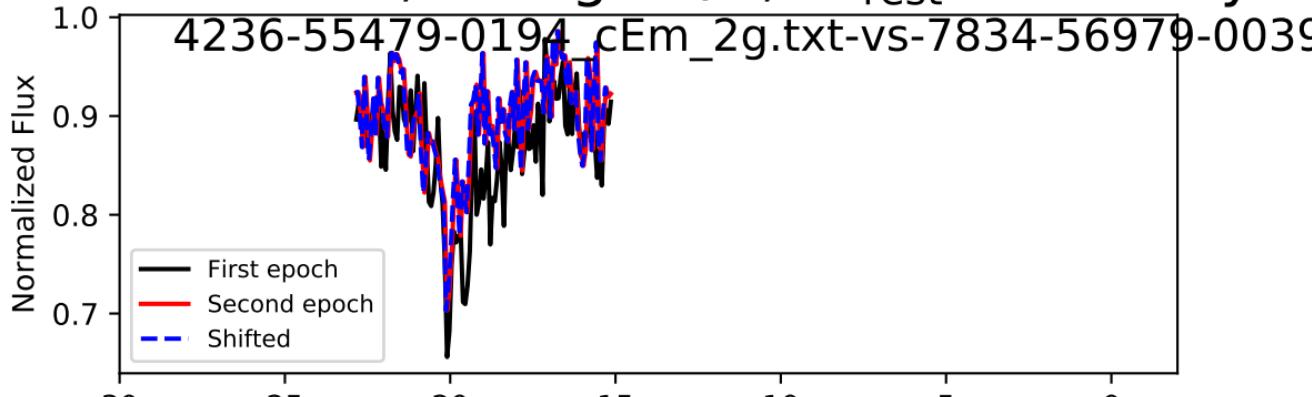
ft:  $68.1 + 378.5 - 134.8$  km/s, Accel:  $0.069 + 0.386 - 0.137$  cm/s<sup>2</sup>

spectrum i = 27, Trough 0/1,  $\Delta t_{\text{rest}} = 4.385$  years



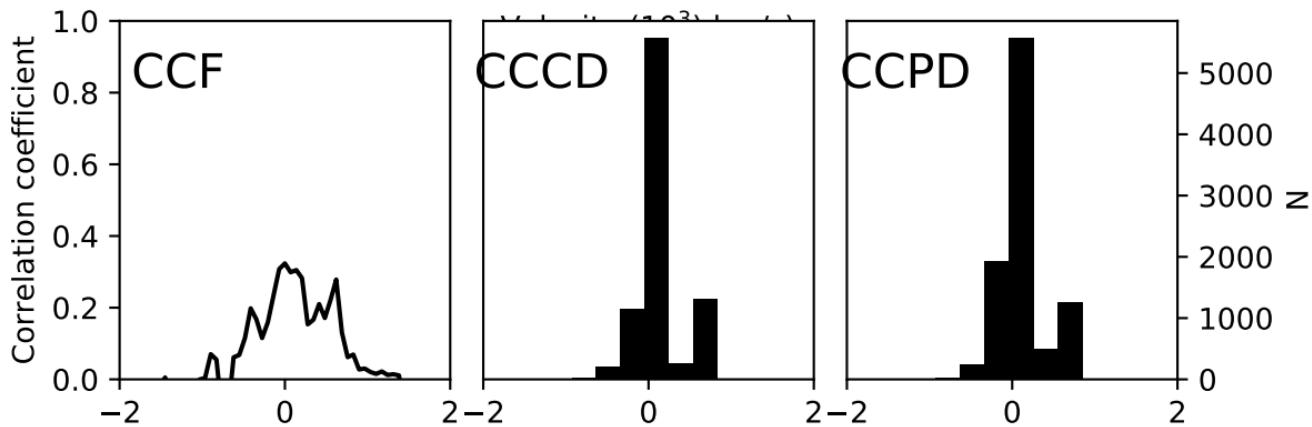
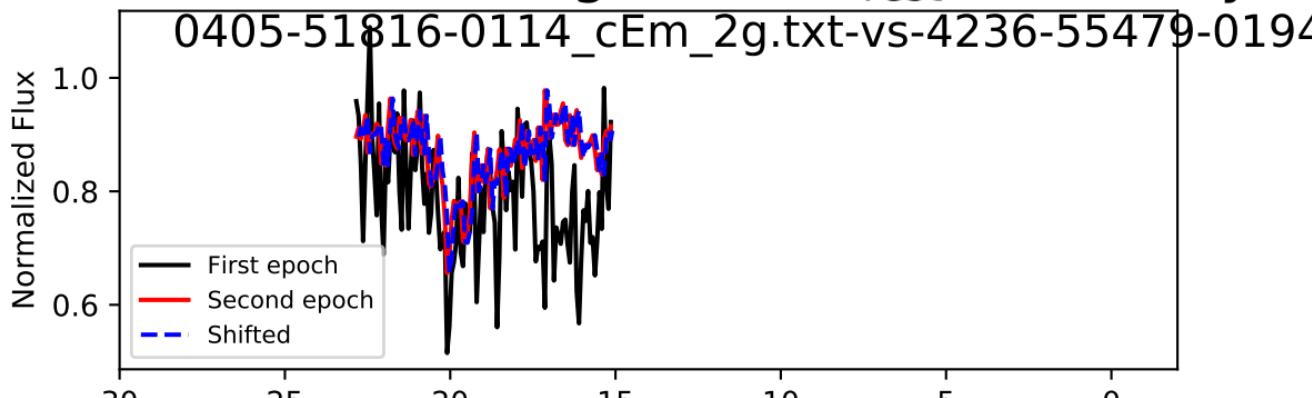
Shift: 0.0 + 34.8 - 414.0 km/s, Accel: 0.000+ 0.025 - 0.299 cm/s<sup>2</sup>

spectrum i = 27, Trough 0/1,  $\Delta t_{\text{rest}} = 1.274$  years



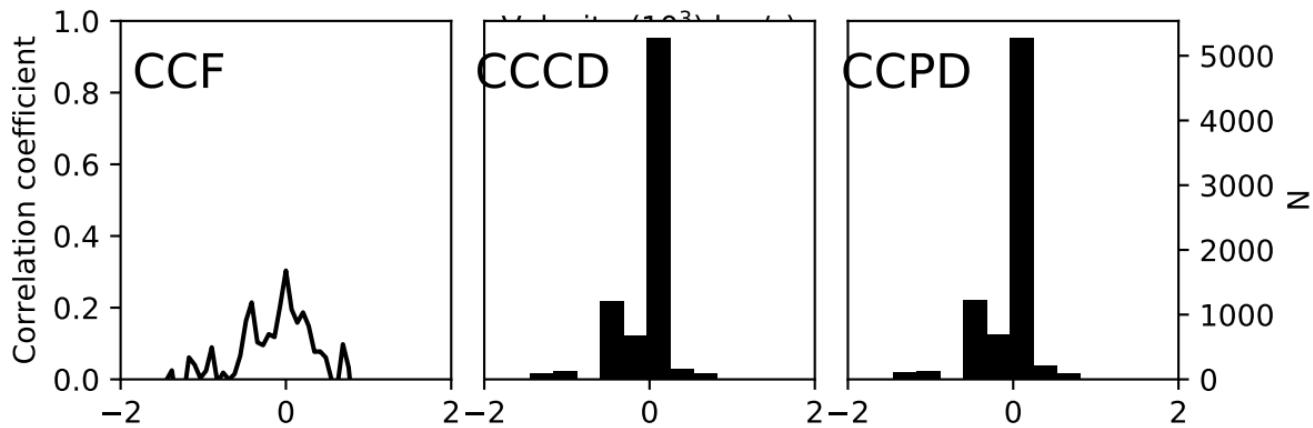
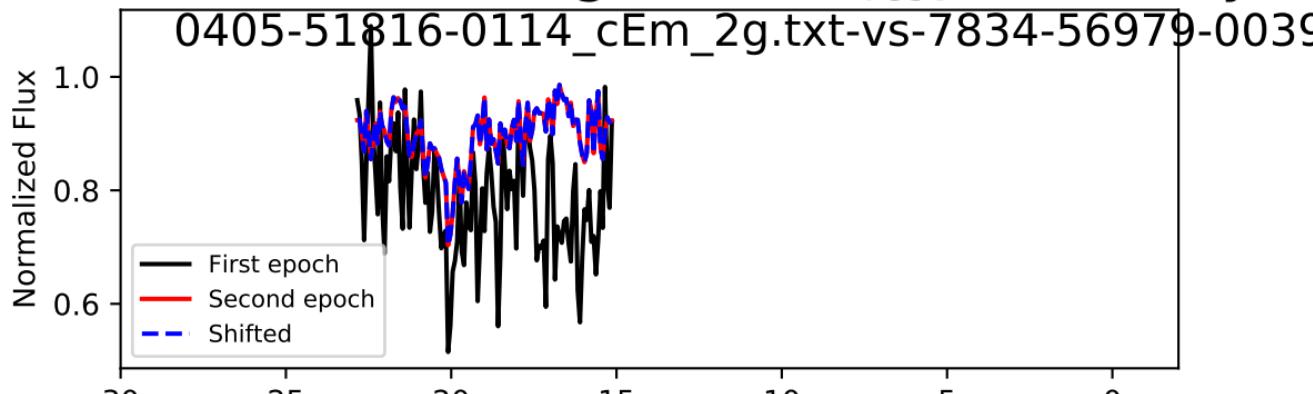
ft: -33.5 + 66.0 - 211.8 km/s, Accel: -0.083+ 0.164 - 0.527 cm/s<sup>2</sup>

spectrum  $i = 27$ , Trough 1/1,  $\Delta t_{\text{rest}} = 3.111$  years



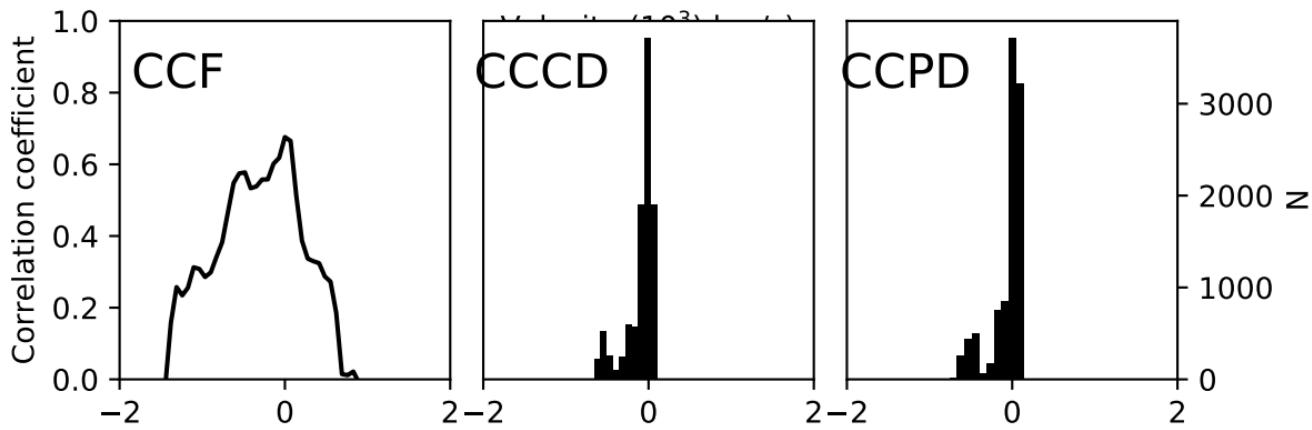
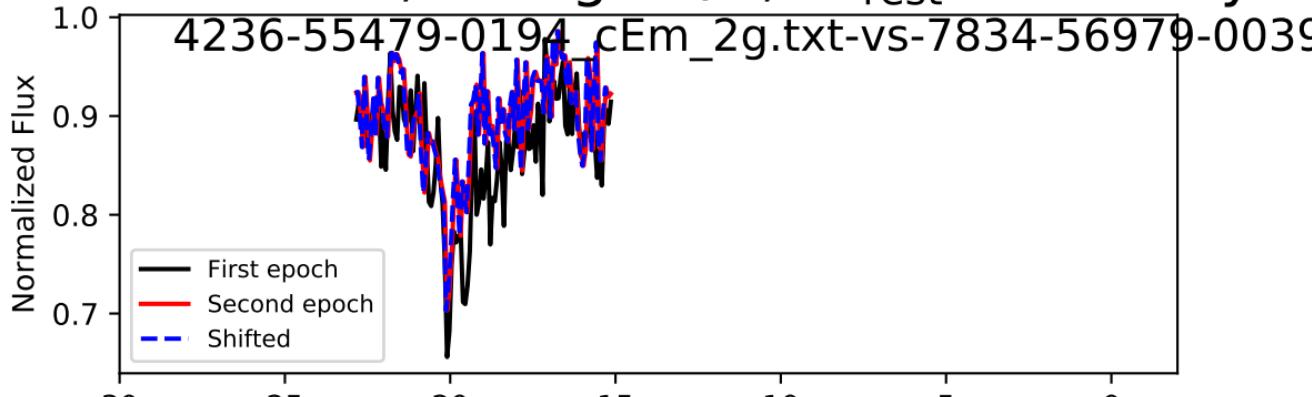
ft:  $68.4 + 416.9 - 133.5$  km/s, Accel:  $0.070 + 0.425 - 0.136$  cm/s<sup>2</sup>

spectrum i = 27, Trough 1/1,  $\Delta t_{\text{rest}} = 4.385$  years



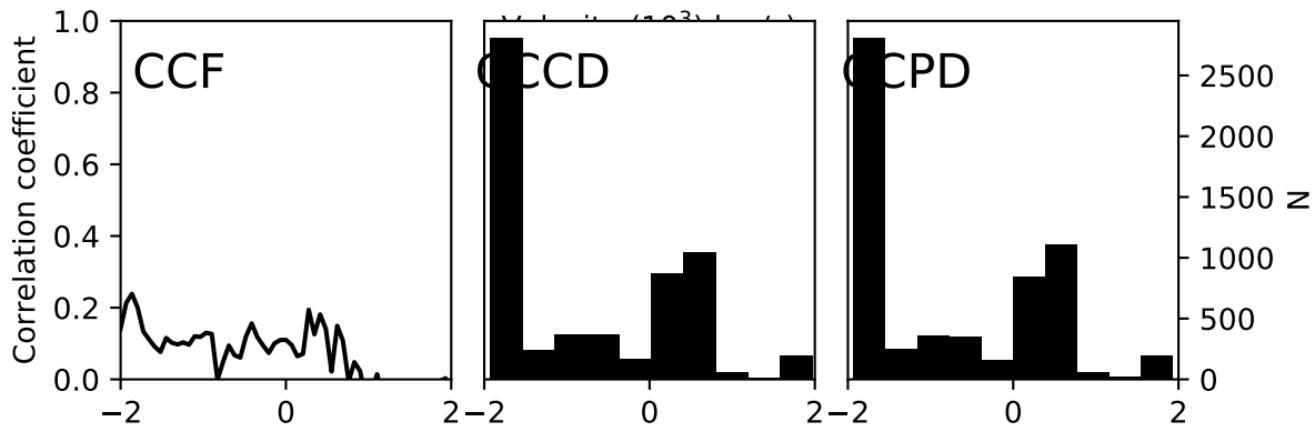
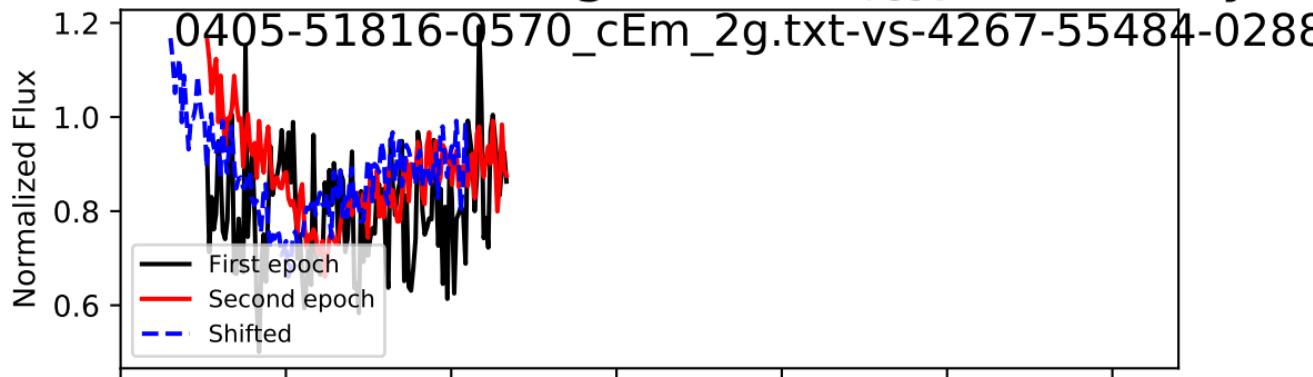
Shift: 0.0 + 35.5 - 414.0 km/s, Accel: 0.000+ 0.026 - 0.299 cm/s<sup>2</sup>

spectrum i = 27, Trough 1/1,  $\Delta t_{\text{rest}} = 1.274$  years



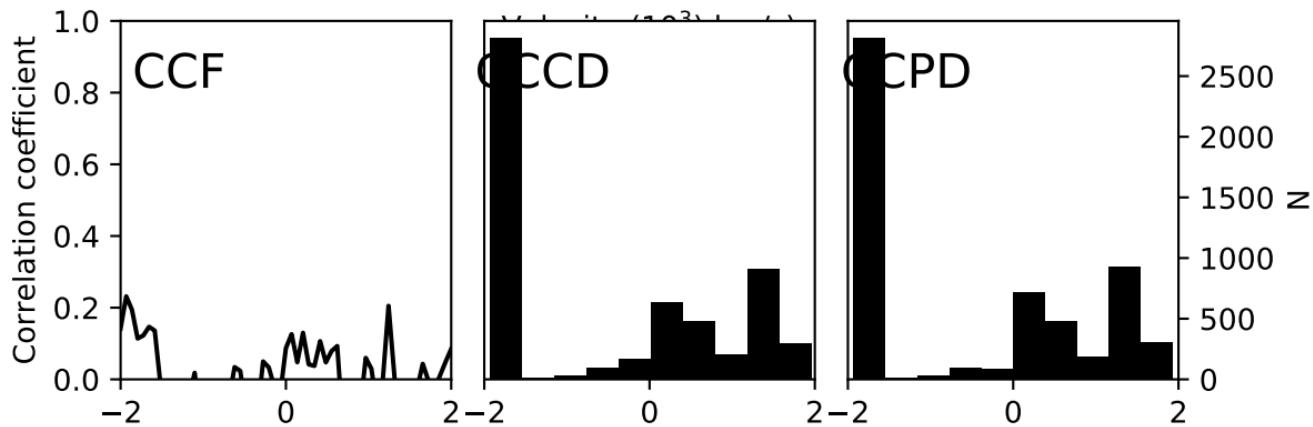
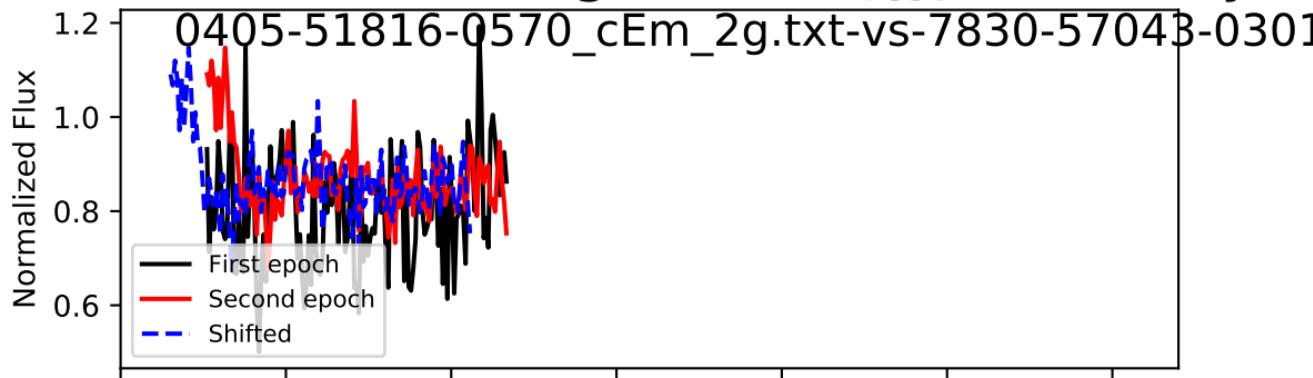
ft: -33.6 + 66.3 - 232.1 km/s, Accel: -0.084+ 0.165 - 0.578 cm/s<sup>2</sup>

spectrum i = 28, Trough 0/1,  $\Delta t_{\text{rest}} = 3.110$  years



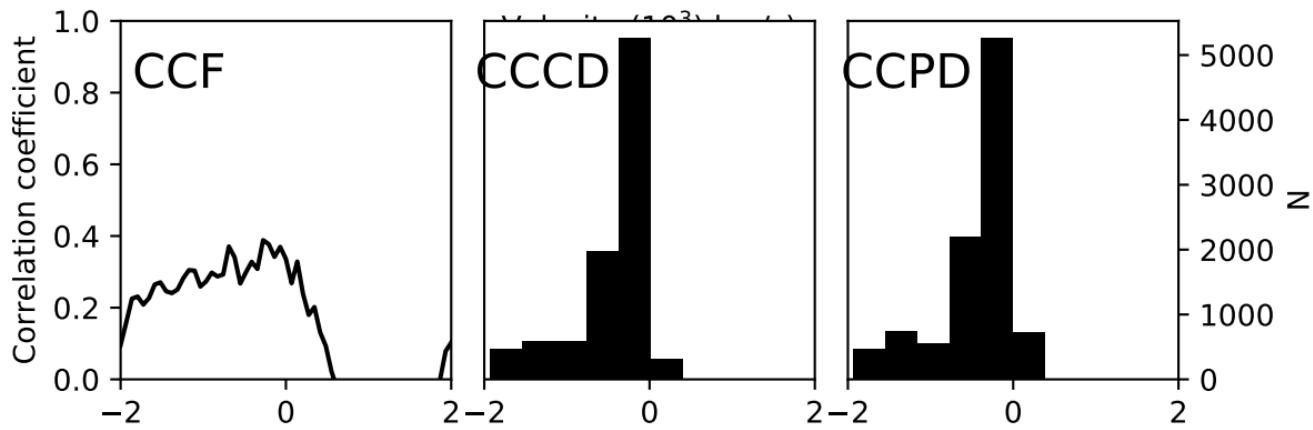
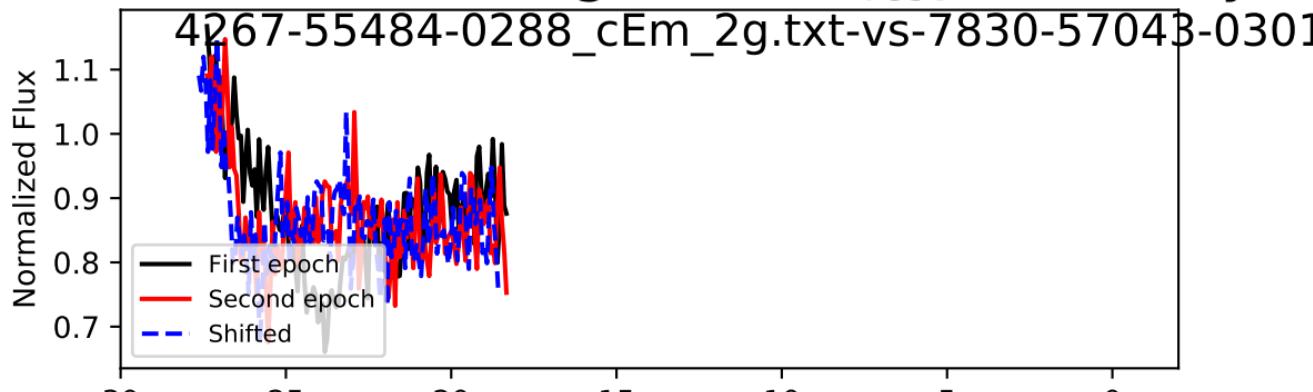
-1105.5 + 1519.5 - 761.1 km/s, Accel: -1.127 + 1.549 - 0.776

spectrum  $i = 28$ , Trough 0/1,  $\Delta t_{\text{rest}} = 4.432$  years

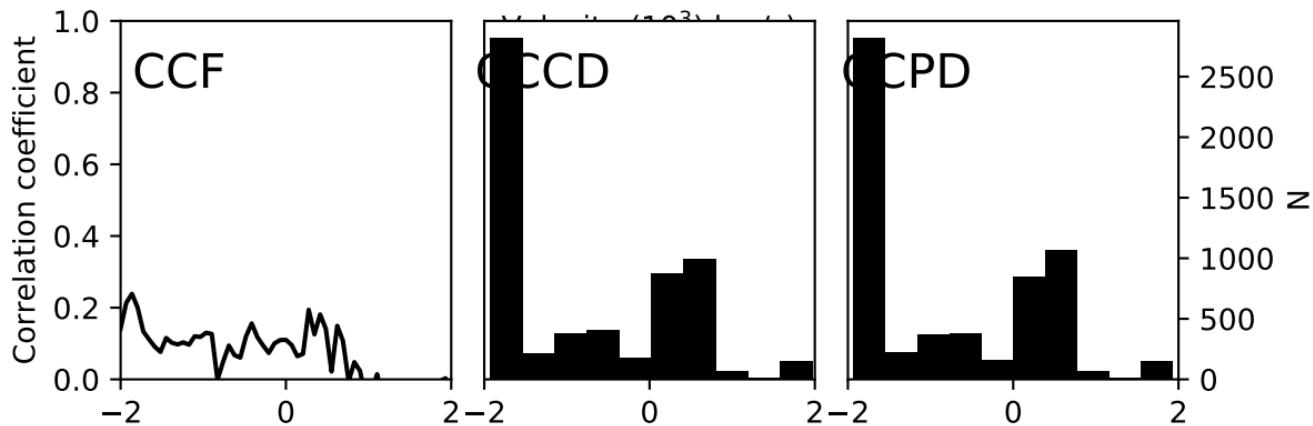
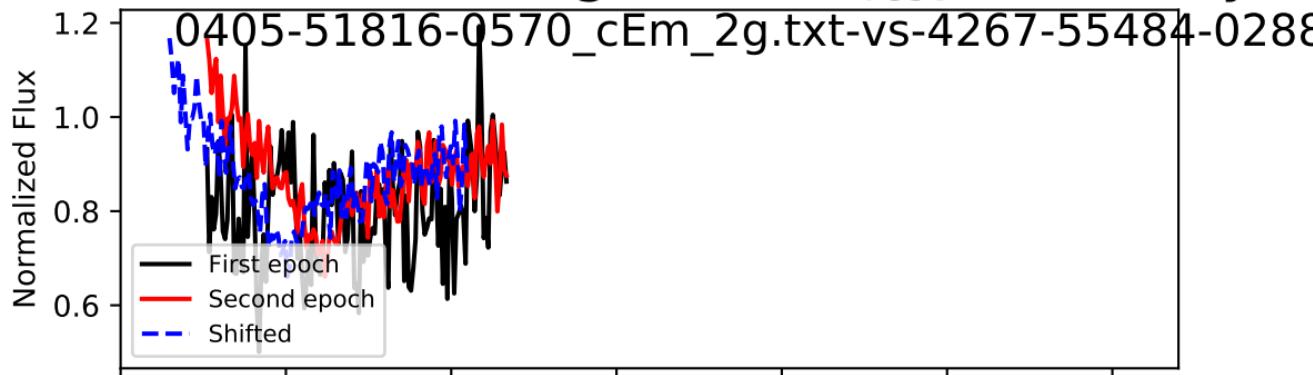


$-1104.0 + 2346.0 - 796.9 \text{ km/s}$ , Accel:  $-0.790 + 1.678 - 0.570$

spectrum i = 28, Trough 0/1,  $\Delta t_{\text{rest}} = 1.322$  years

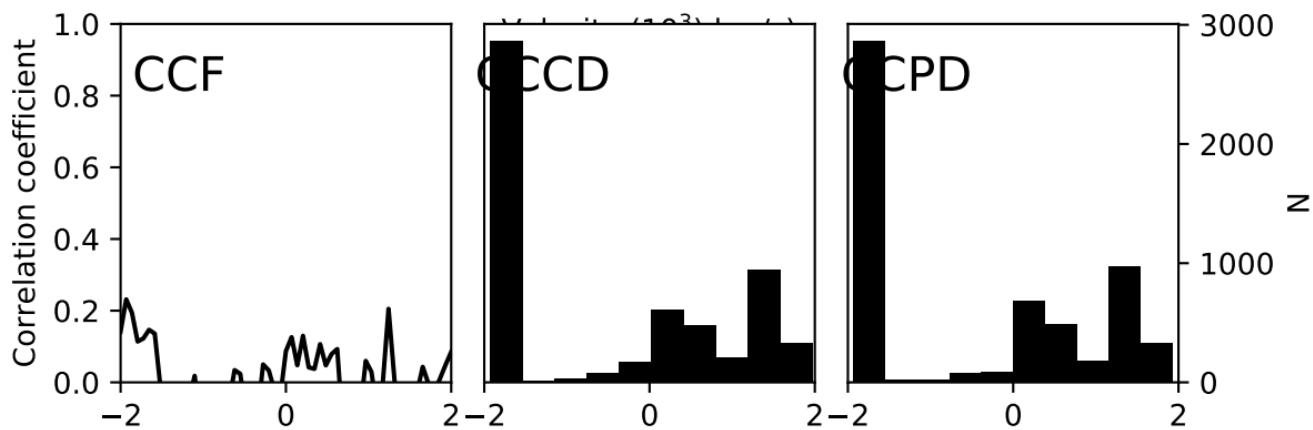
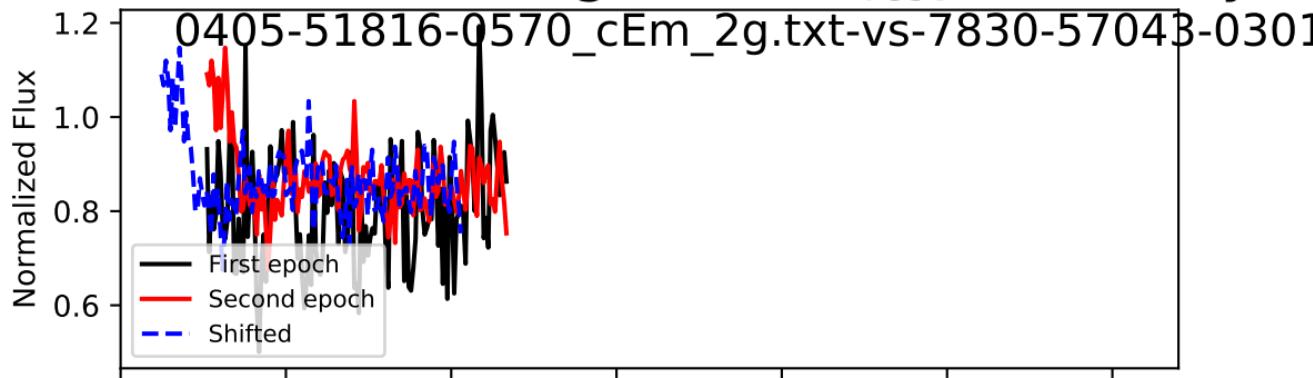


spectrum  $i = 28$ , Trough 1/1,  $\Delta t_{\text{rest}} = 3.110$  years



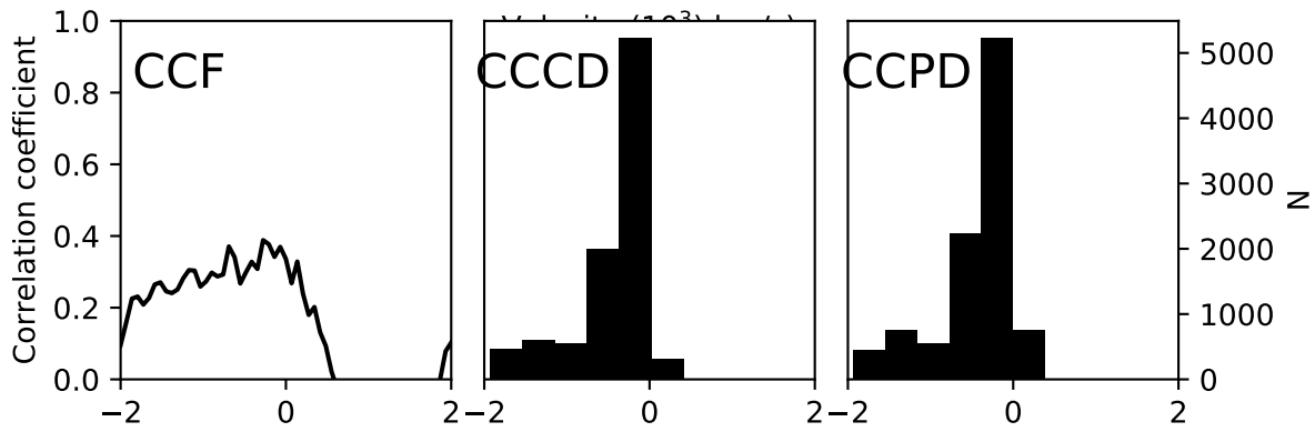
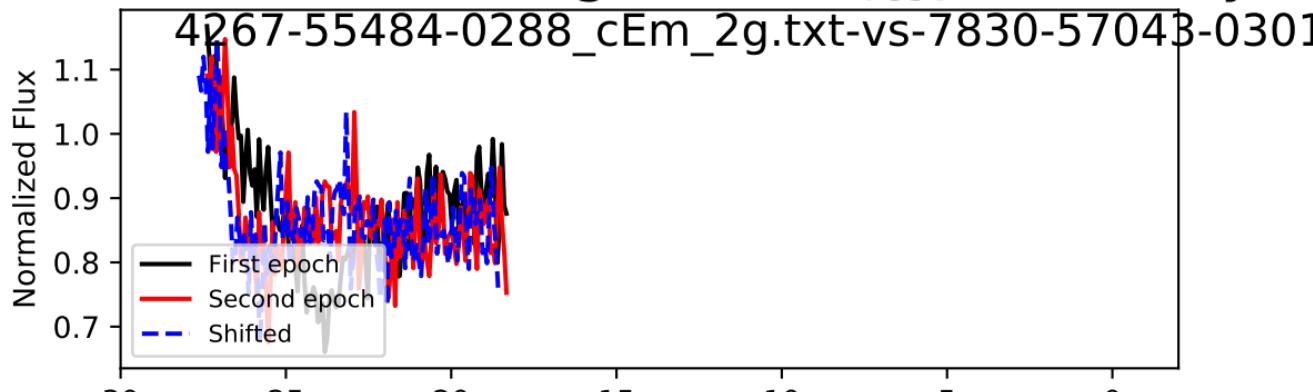
$-1135.6 + 1549.6 - 730.7 \text{ km/s}$ , Accel:  $-1.158 + 1.580 - 0.745$

spectrum i = 28, Trough 1/1,  $\Delta t_{\text{rest}} = 4.432$  years



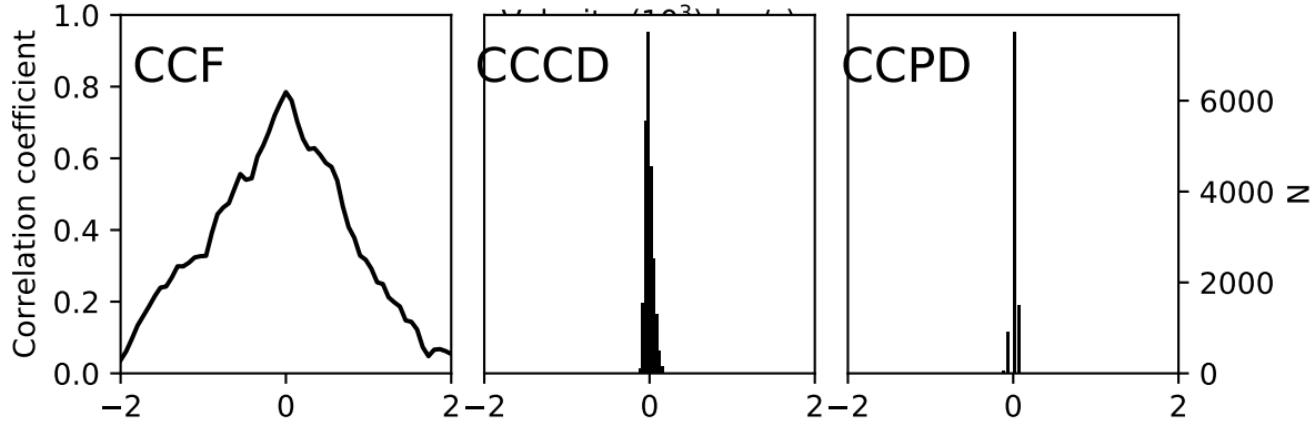
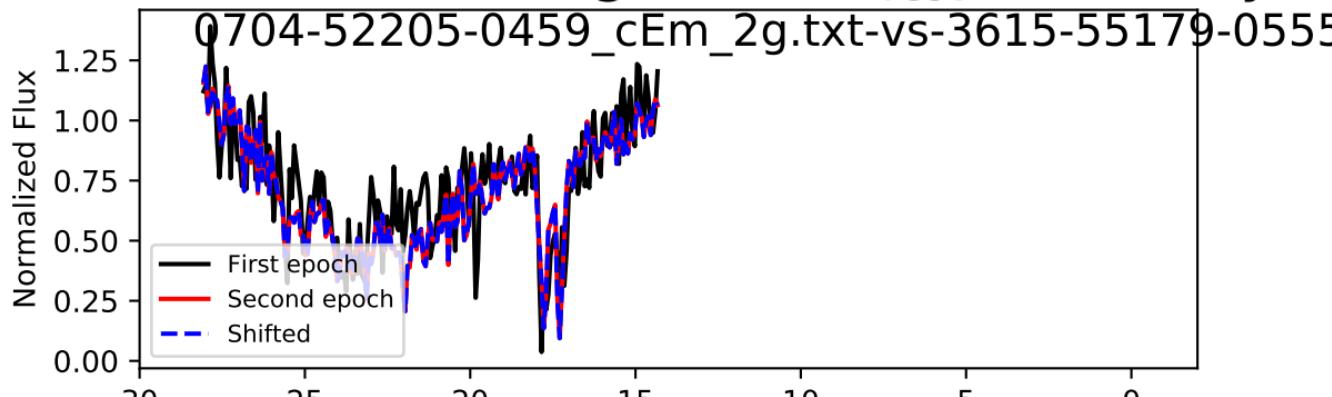
-1380.0 + 2622.0 - 521.1 km/s, Accel: -0.987 + 1.876 - 0.373

spectrum i = 28, Trough 1/1,  $\Delta t_{\text{rest}} = 1.322$  years



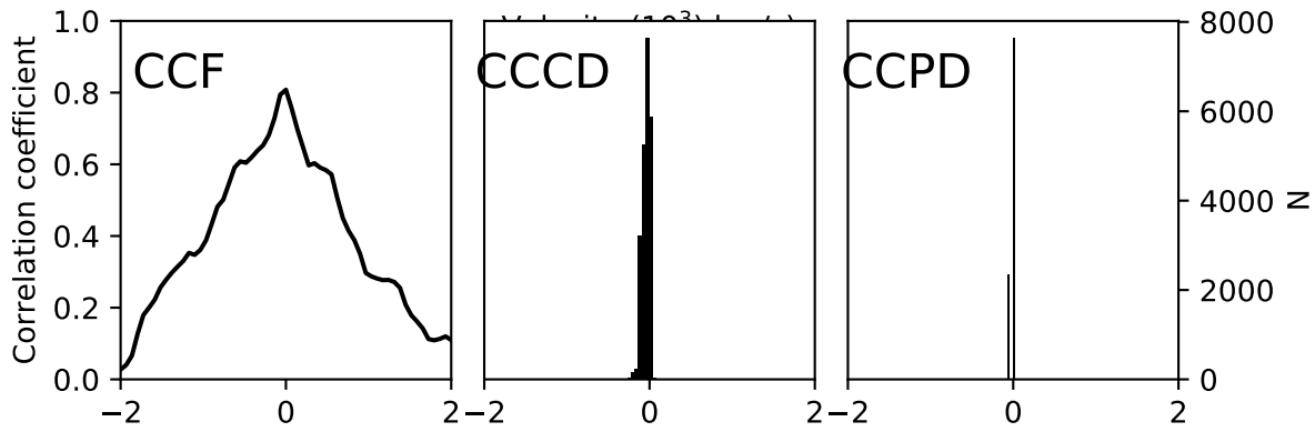
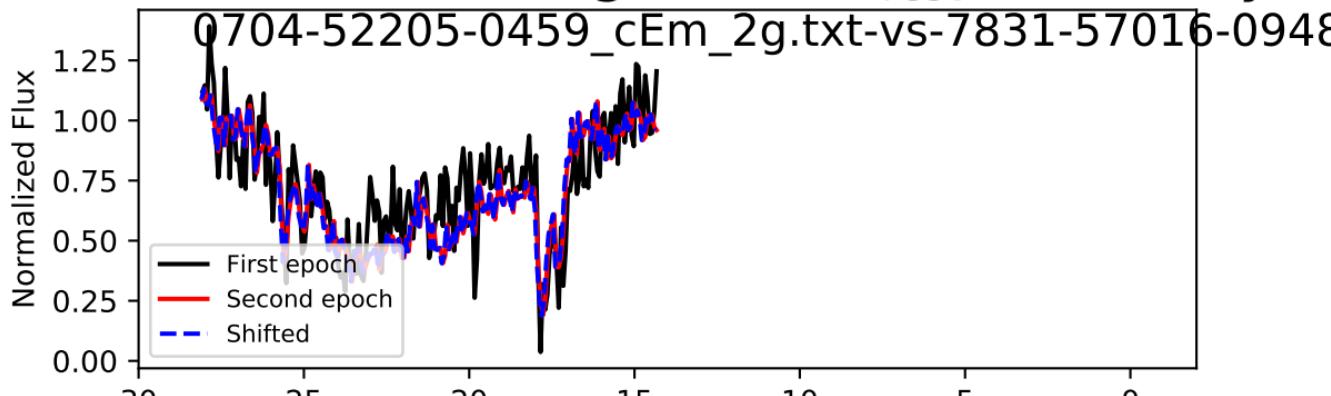
: -244.8 + 141.0 - 652.2 km/s, Accel: -0.587+ 0.338 - 1.564 c

spectrum i = 29, Trough 0/0,  $\Delta t_{\text{rest}} = 2.438$  years



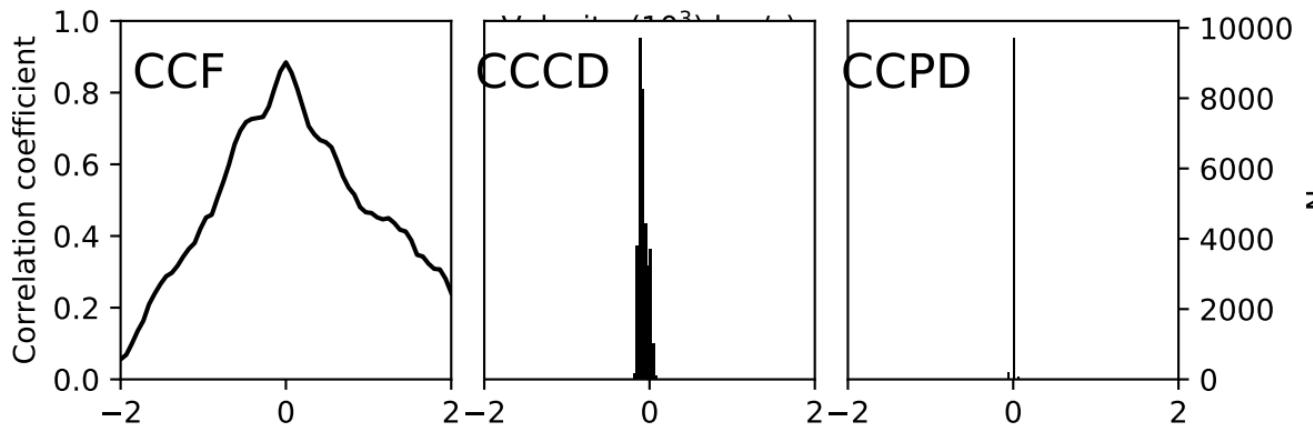
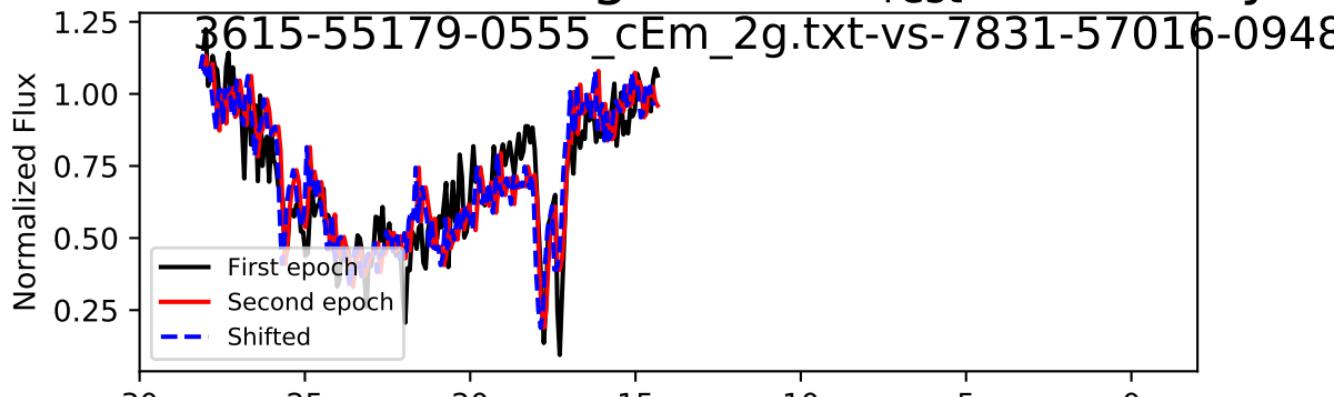
Shift:  $-1.1 + 63.0 - 33.8$  km/s, Accel:  $-0.001 + 0.082 - 0.044$  cm/s<sup>2</sup>

spectrum i = 29, Trough 0/0,  $\Delta t_{\text{rest}} = 3.944$  years



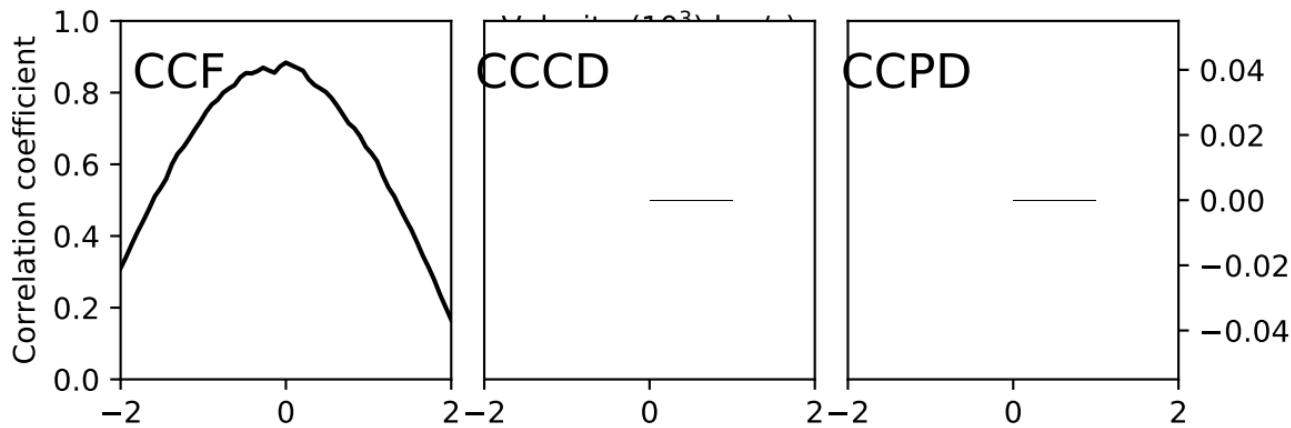
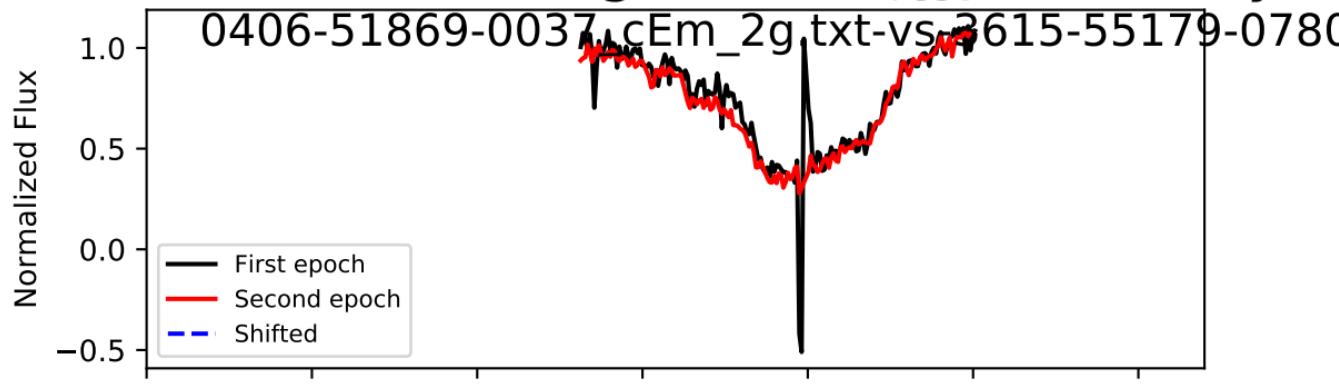
ft: -33.8 + 32.5 - 61.3 km/s, Accel: -0.027+ 0.026 - 0.049 cm

spectrum i = 29, Trough 0/0,  $\Delta t_{\text{rest}} = 1.506$  years

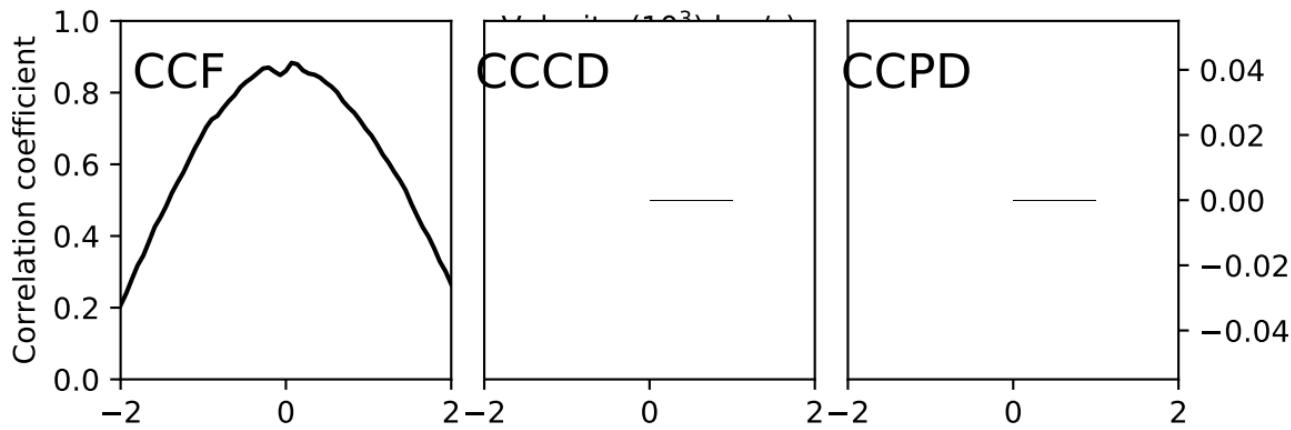
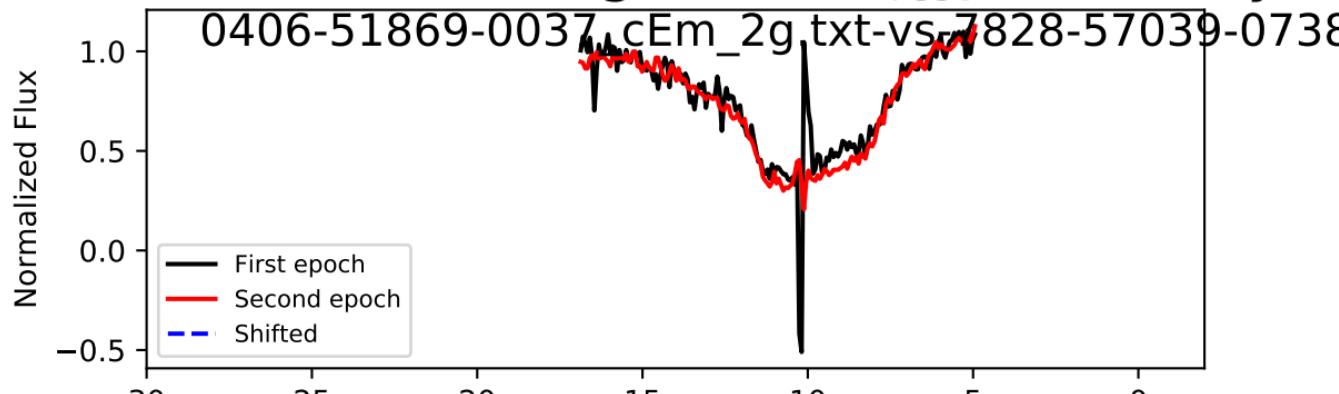


ft: -96.6 + 66.3 - 34.0 km/s, Accel: -0.203+ 0.140 - 0.072 cm

spectrum i = 30, Trough 0/0,  $\Delta t_{\text{rest}} = 2.434$  years

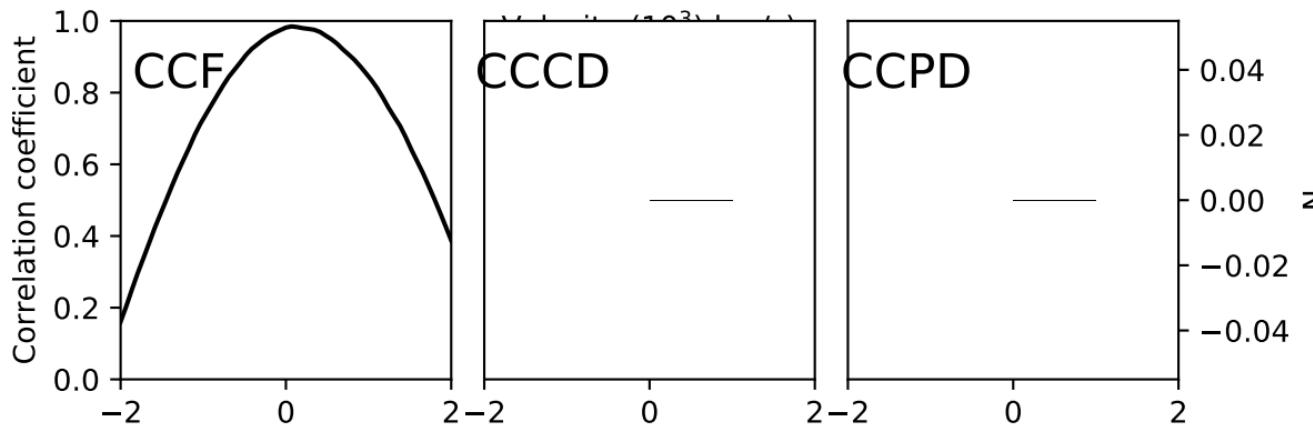
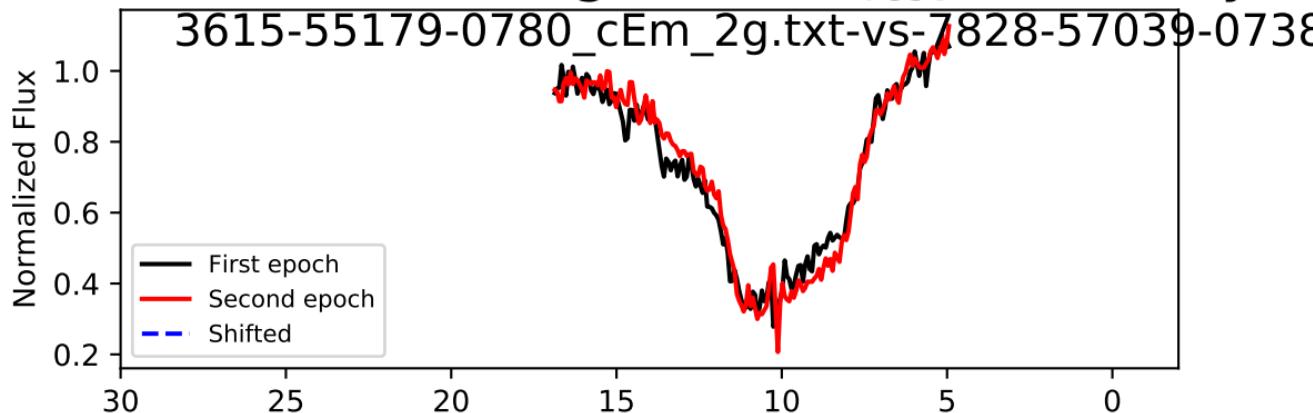


spectrum  $i = 30$ , Trough 0/0,  $\Delta t_{\text{rest}} = 3.802$  years



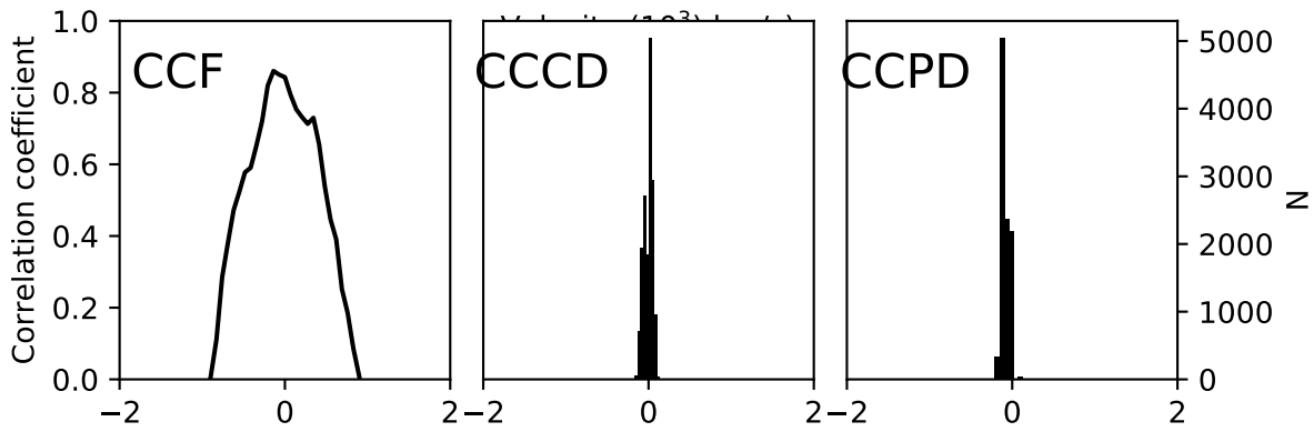
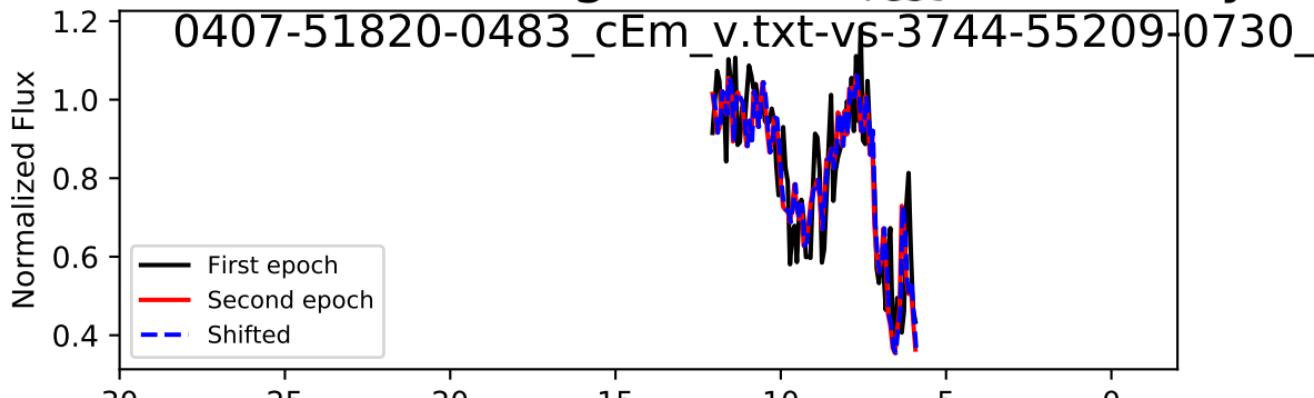
shift: nan + nan - nan km/s, Accel: nan+ nan - nan cm

spectrum  $i = 30$ , Trough 0/0,  $\Delta t_{\text{rest}} = 1.368$  years



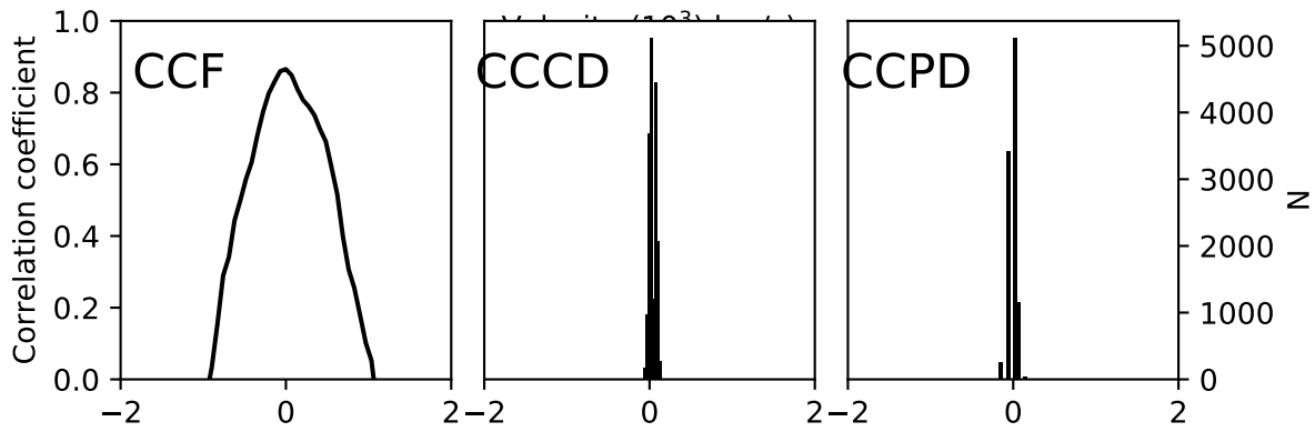
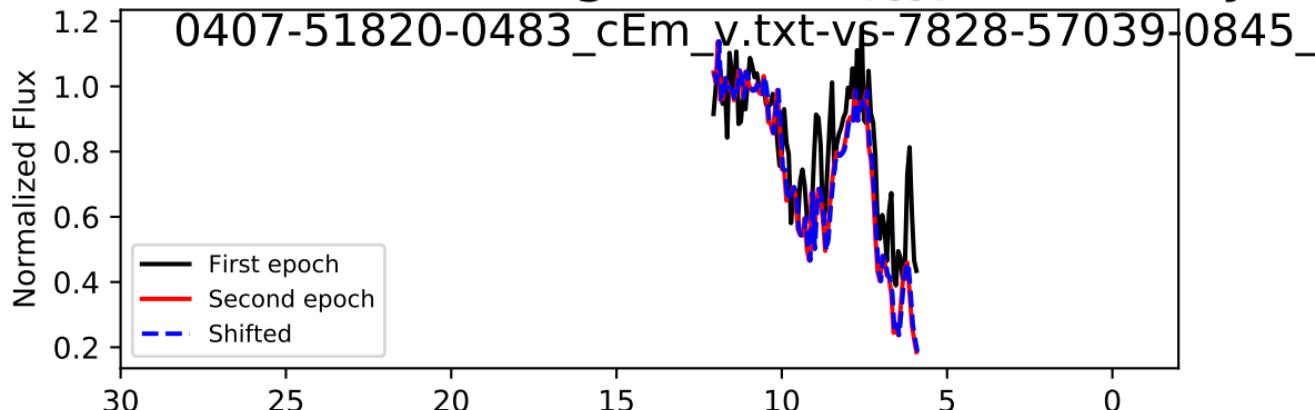
shift: nan + nan - nan km/s, Accel: nan+ nan - nan cm

spectrum i = 31, Trough 0/1,  $\Delta t_{\text{rest}} = 2.752$  years



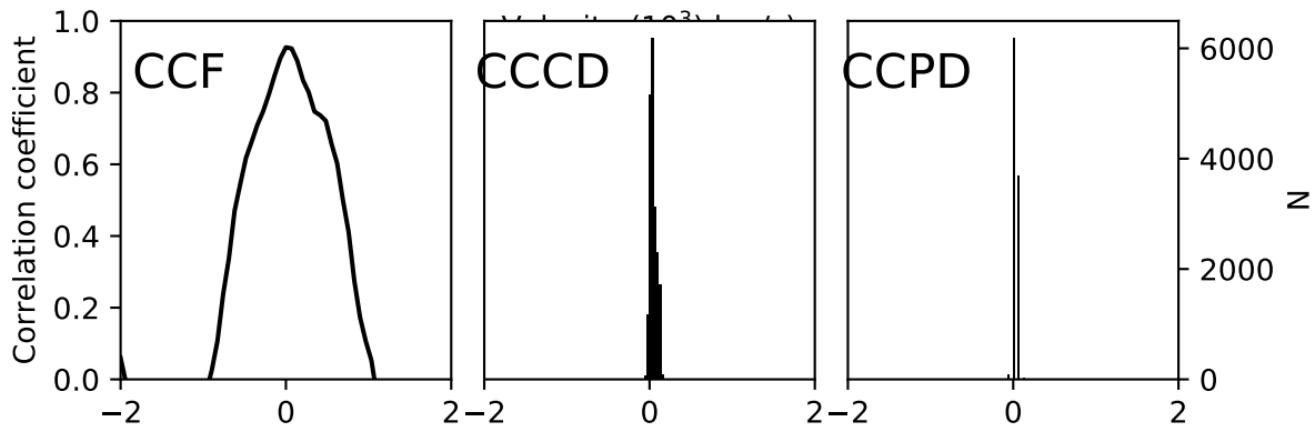
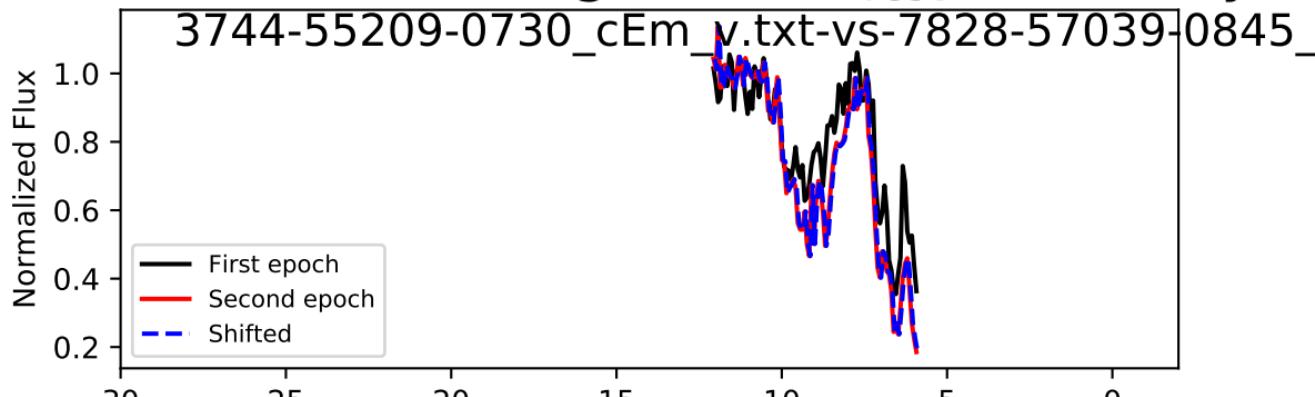
Vshift:  $25.9 + 34.8 - 93.4$  km/s, Accel:  $0.030 + 0.040 - 0.108$  cm/s<sup>2</sup>

spectrum  $i = 31$ , Trough 0/1,  $\Delta t_{\text{rest}} = 4.238$  years

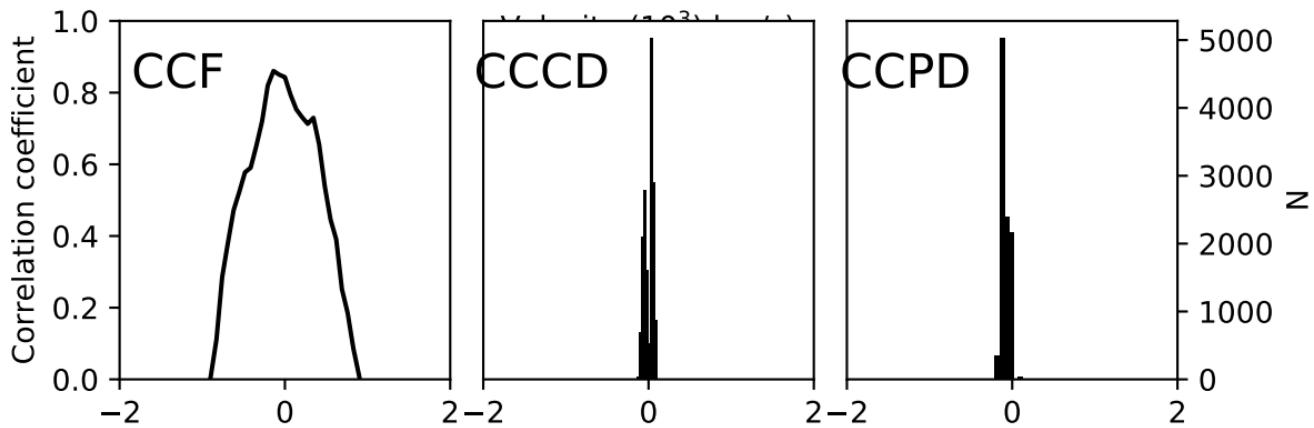
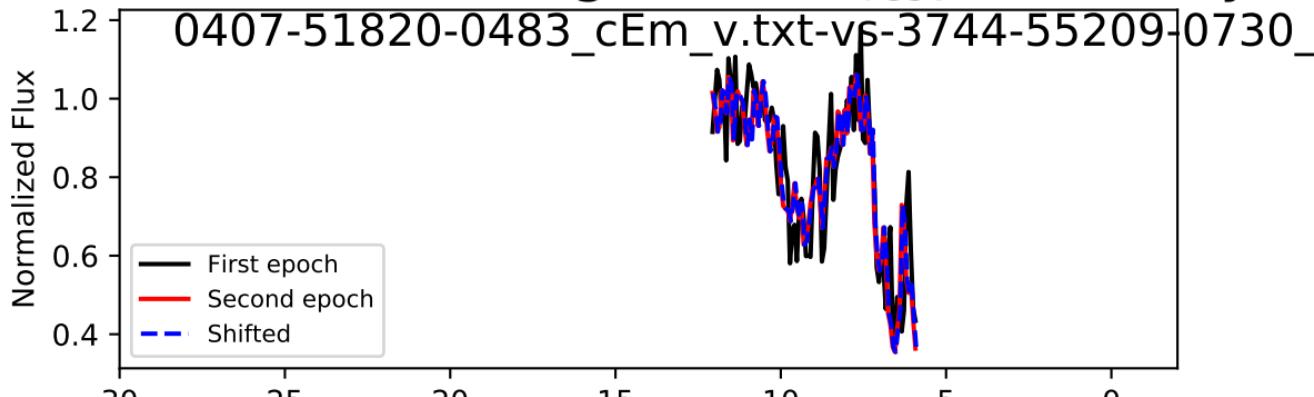


Vshift:  $31.8 + 34.9 - 33.8$  km/s, Accel:  $0.024 + 0.026 - 0.025$  cm/s<sup>2</sup>

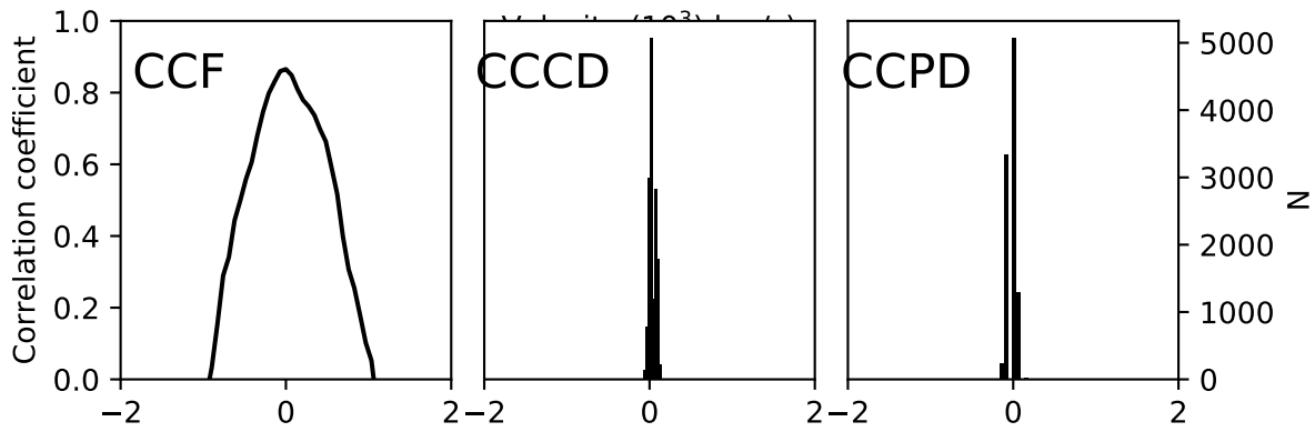
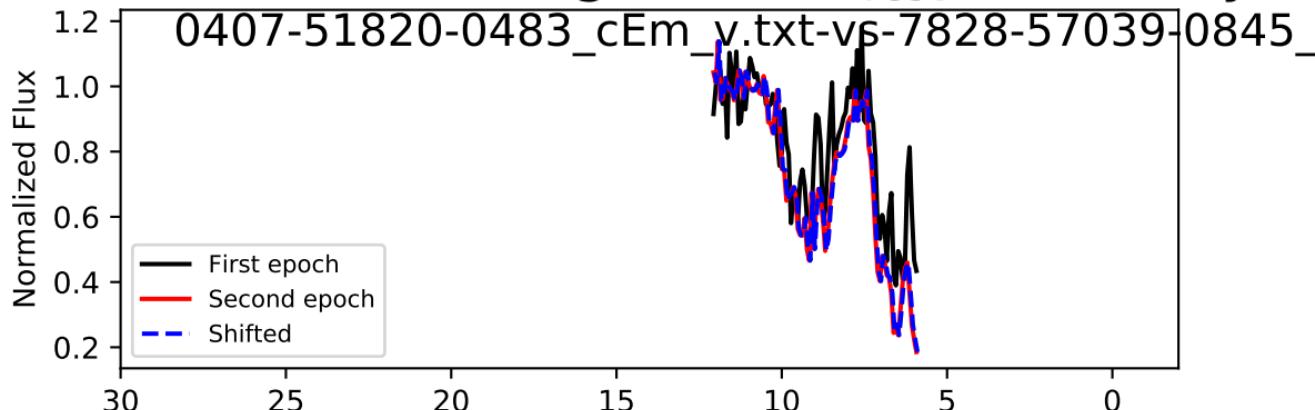
spectrum i = 31, Trough 0/1,  $\Delta t_{\text{rest}} = 1.486$  years



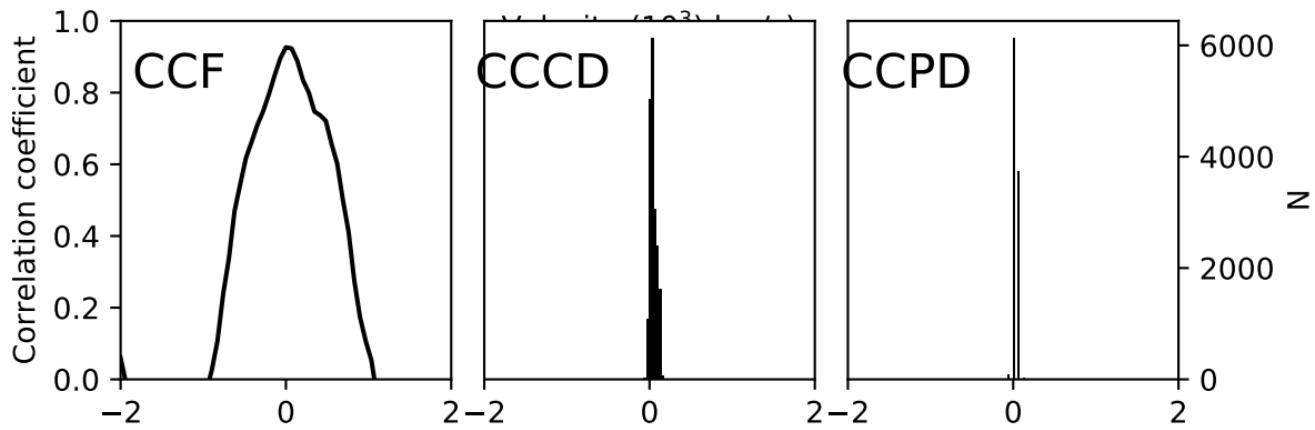
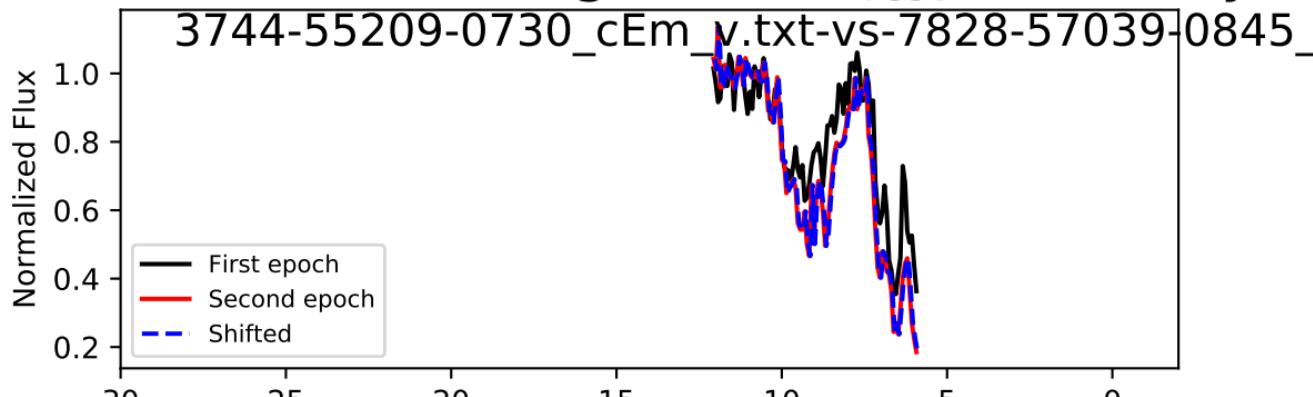
spectrum i = 31, Trough 1/1,  $\Delta t_{\text{rest}} = 2.752$  years



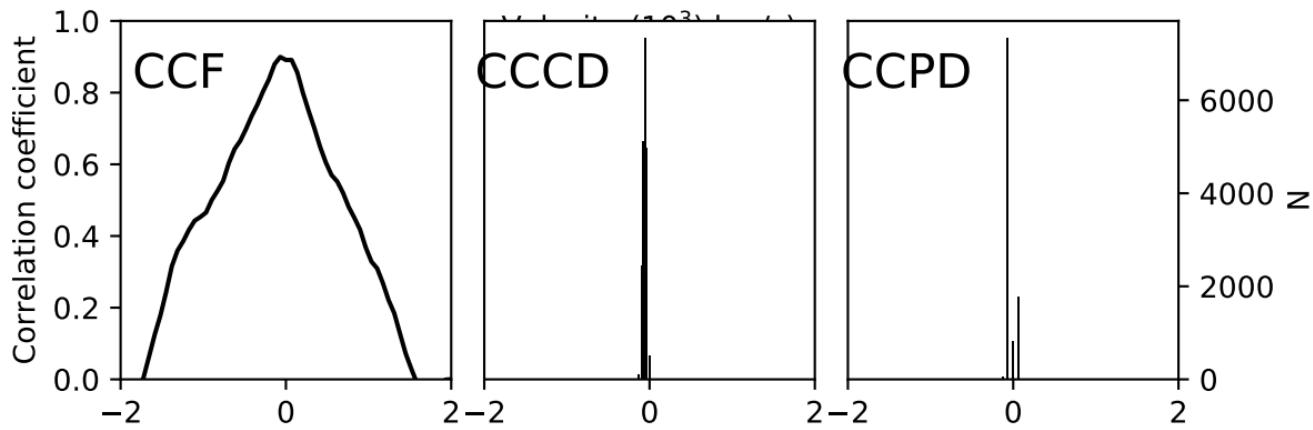
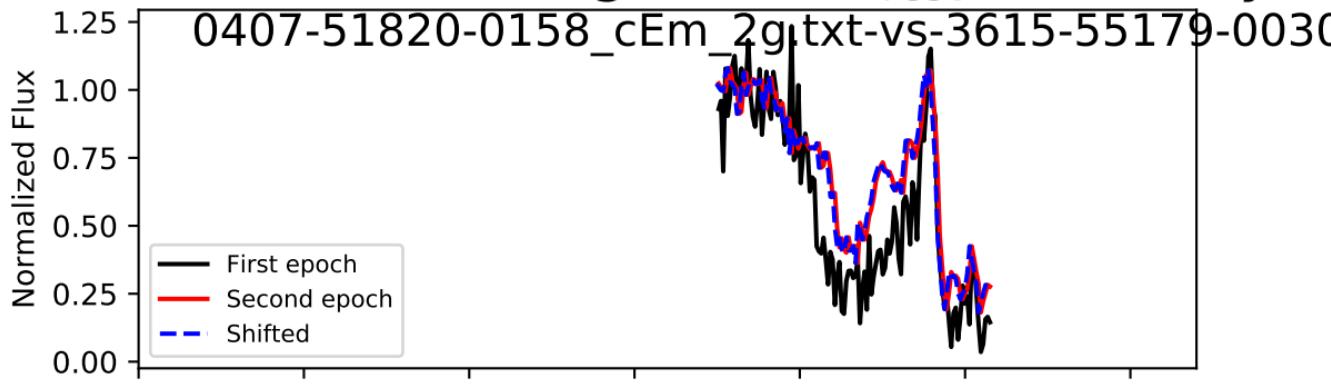
spectrum  $i = 31$ , Trough 1/1,  $\Delta t_{\text{rest}} = 4.238$  years



spectrum  $i = 31$ , Trough 1/1,  $\Delta t_{\text{rest}} = 1.486$  years

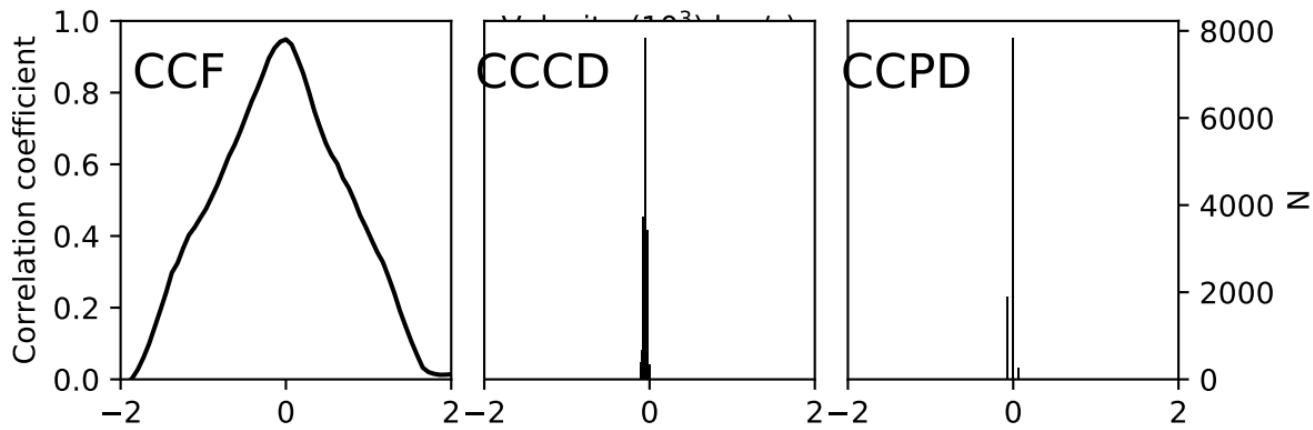
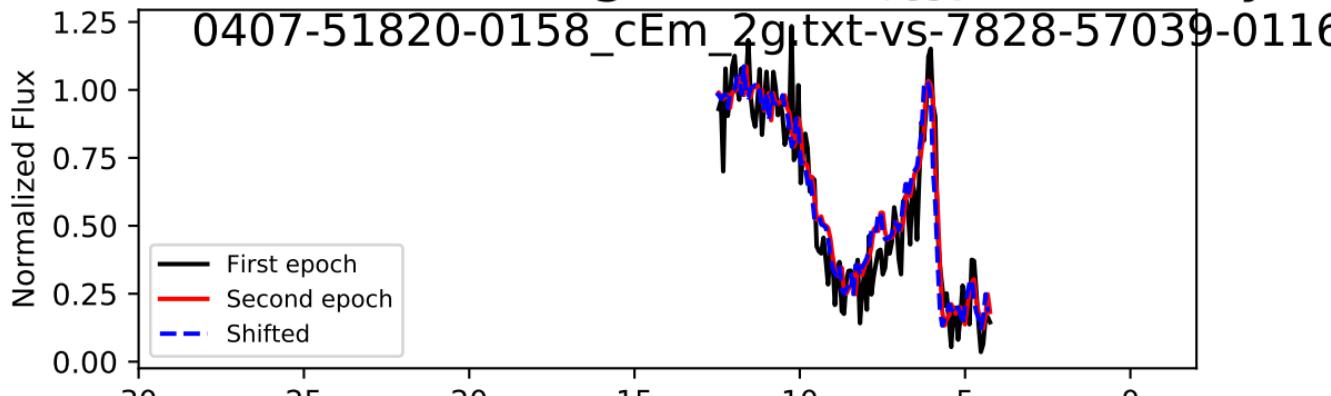


spectrum i = 32, Trough 0/1,  $\Delta t_{\text{rest}} = 3.039$  years

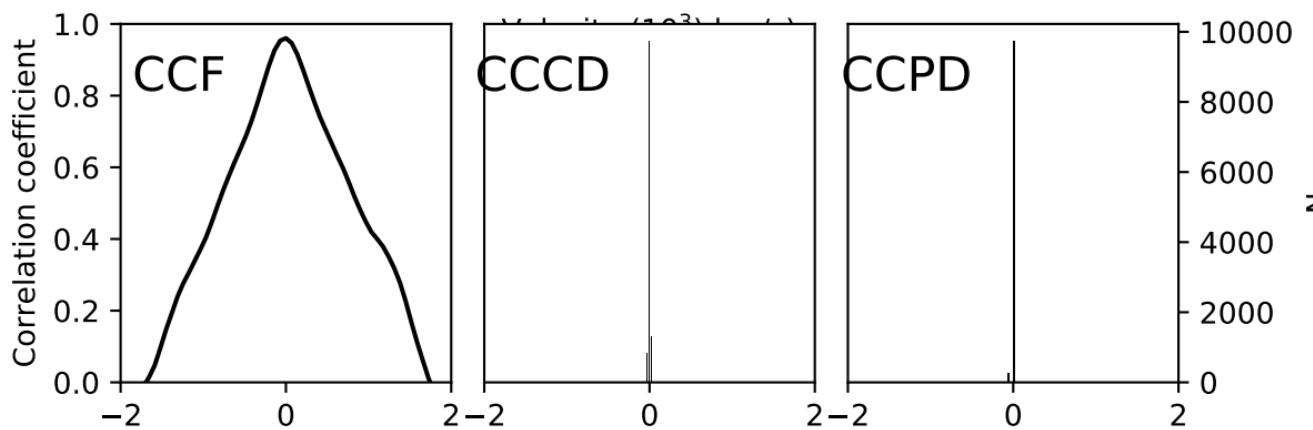
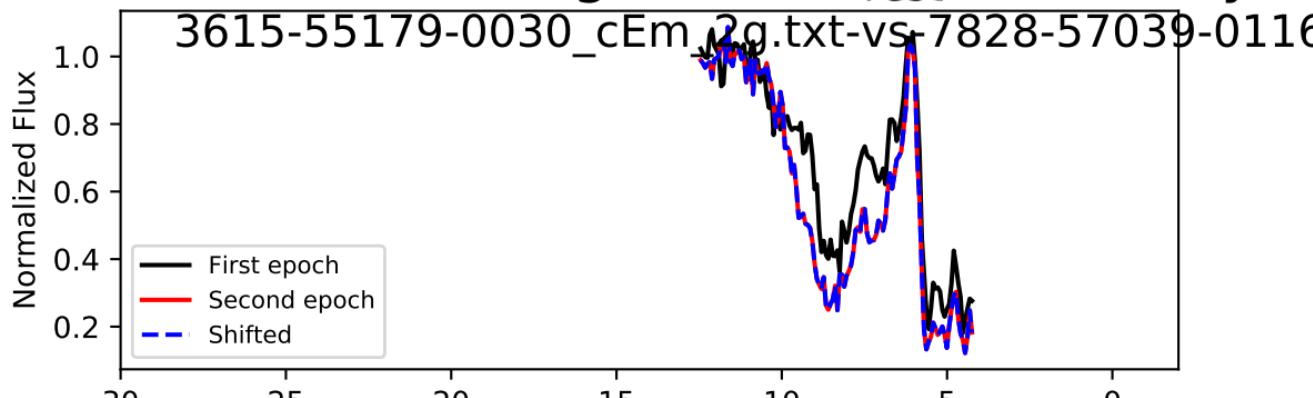


Shift:  $-65.3 + 31.5 - 2.9$  km/s, Accel:  $-0.068 + 0.033 - 0.003$  cm/s<sup>2</sup>

spectrum i = 32, Trough 0/1,  $\Delta t_{\text{rest}} = 4.722$  years

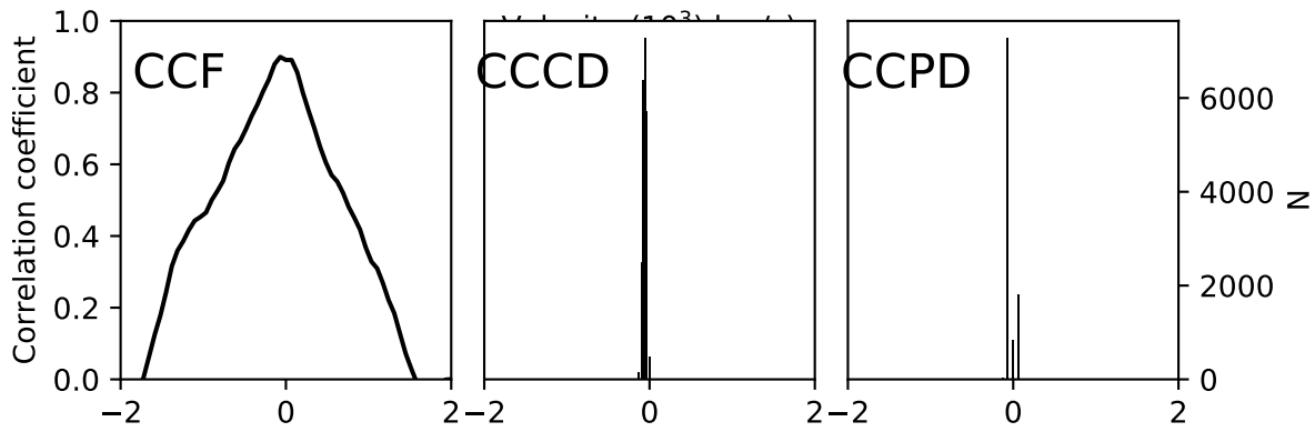
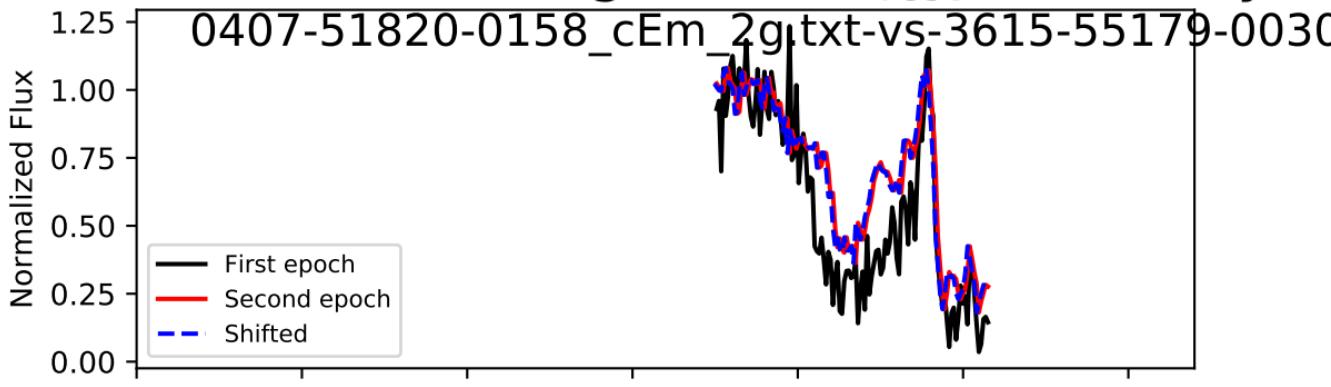


spectrum i = 32, Trough 0/1,  $\Delta t_{\text{rest}} = 1.683$  years



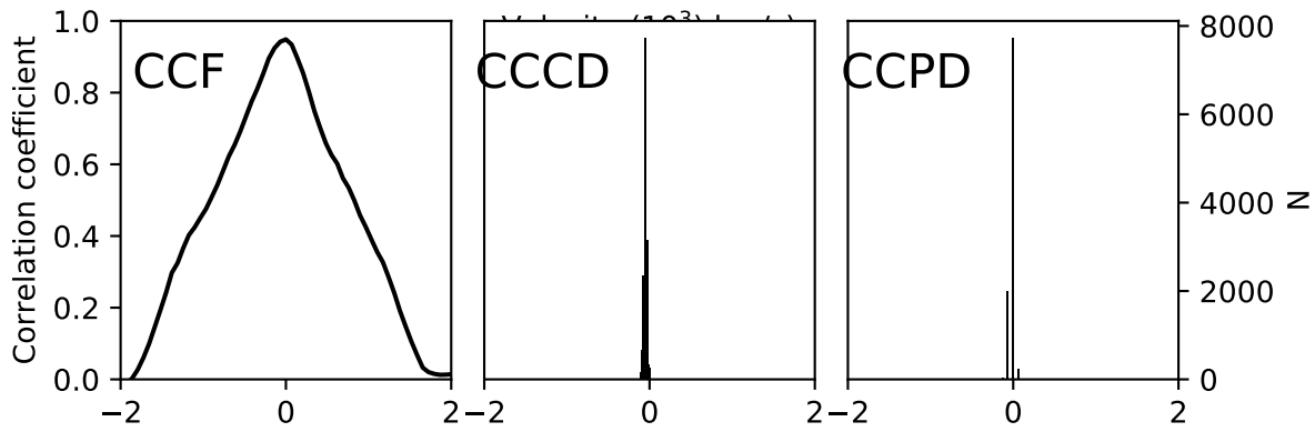
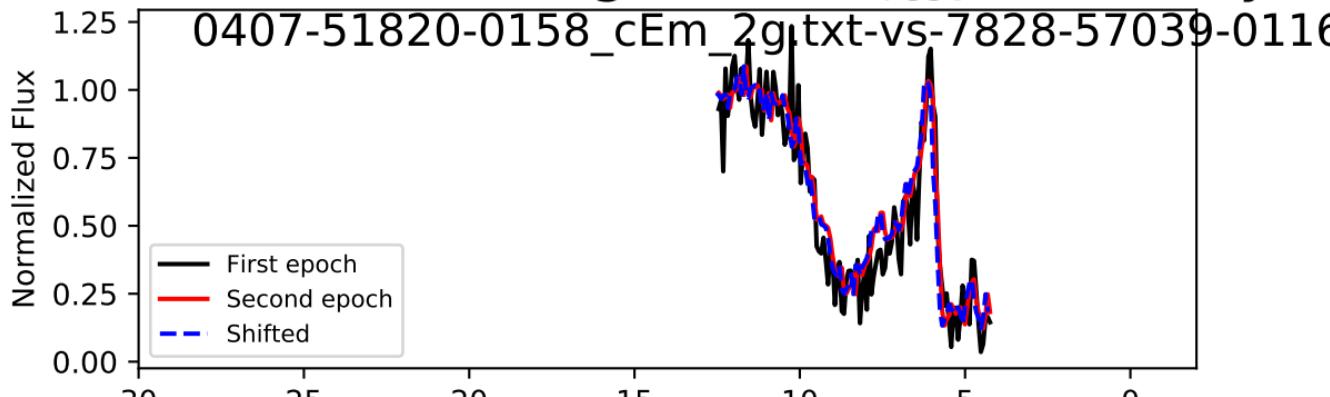
shift: -0.5 + 1.4 - 1.2 km/s, Accel: -0.001+ 0.003 - 0.002 cm

spectrum i = 32, Trough 1/1,  $\Delta t_{\text{rest}} = 3.039$  years



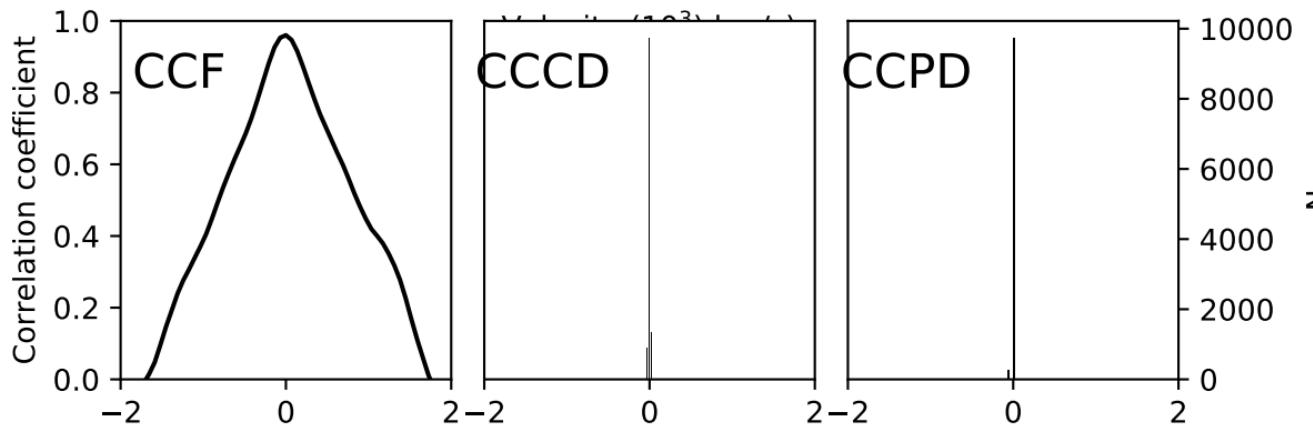
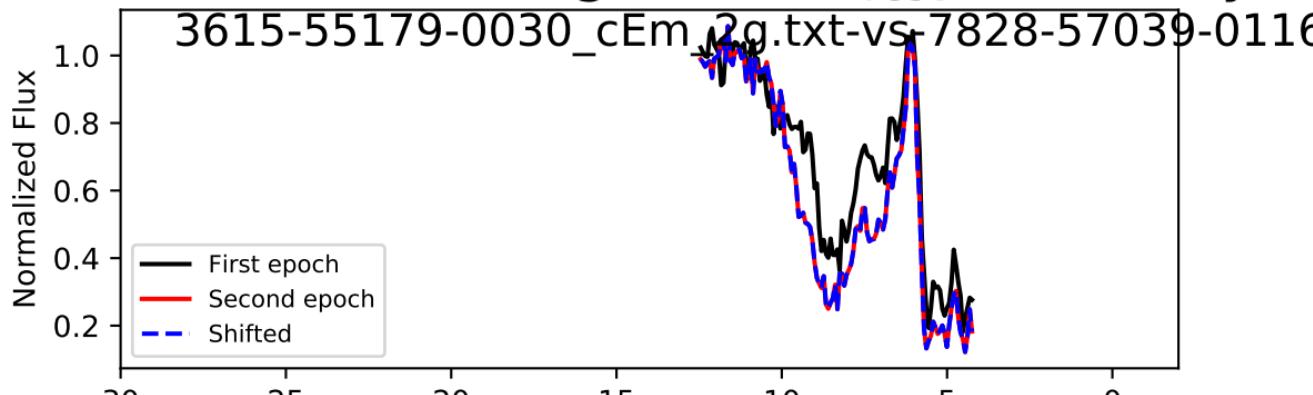
Sift:  $-65.2 + 31.5 - 2.8$  km/s, Accel:  $-0.068 + 0.033 - 0.003$  cm/s<sup>2</sup>

spectrum i = 32, Trough 1/1,  $\Delta t_{\text{rest}} = 4.722$  years



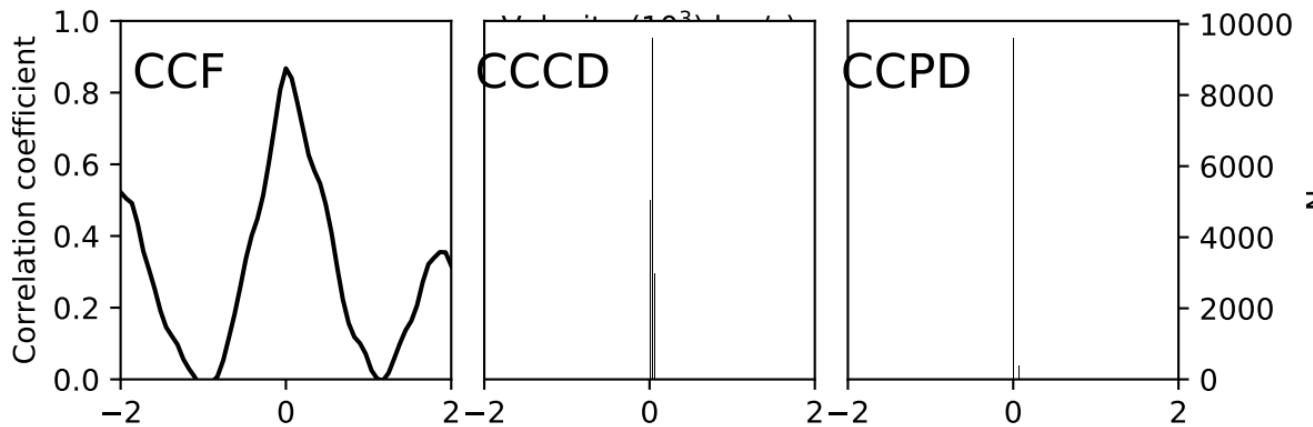
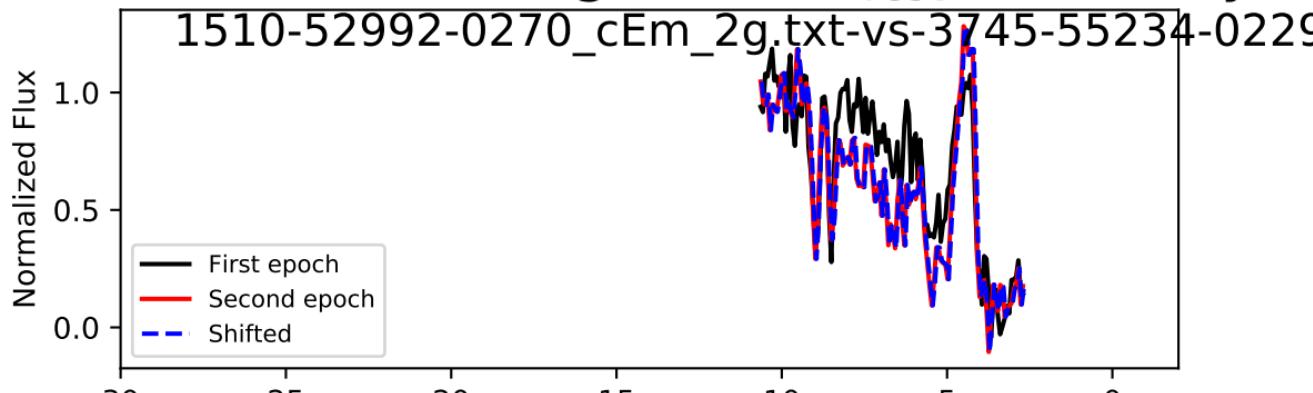
Shift:  $-64.8 + 31.4 - 2.2$  km/s, Accel:  $-0.044 + 0.021 - 0.002$  cm/s<sup>2</sup>

spectrum i = 32, Trough 1/1,  $\Delta t_{\text{rest}} = 1.683$  years



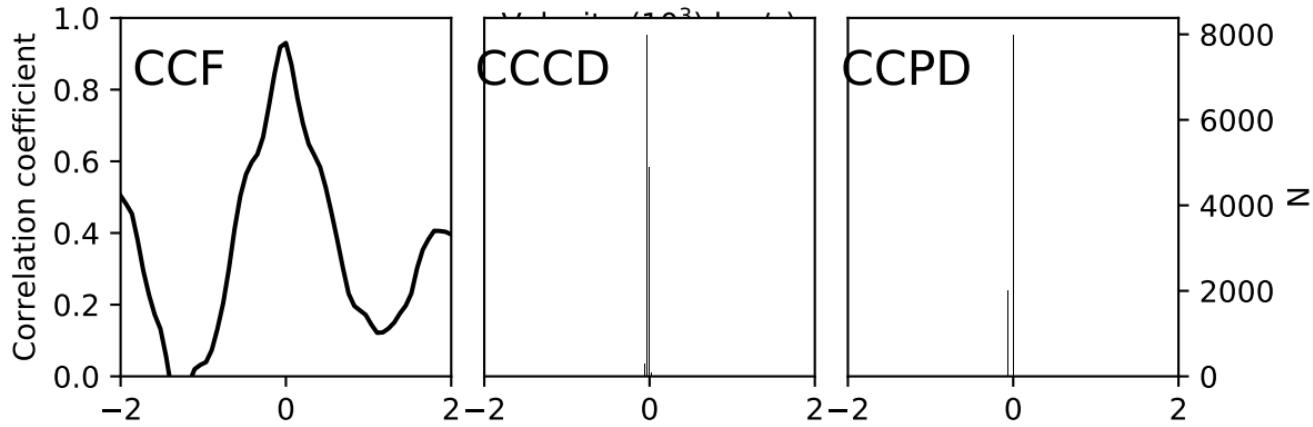
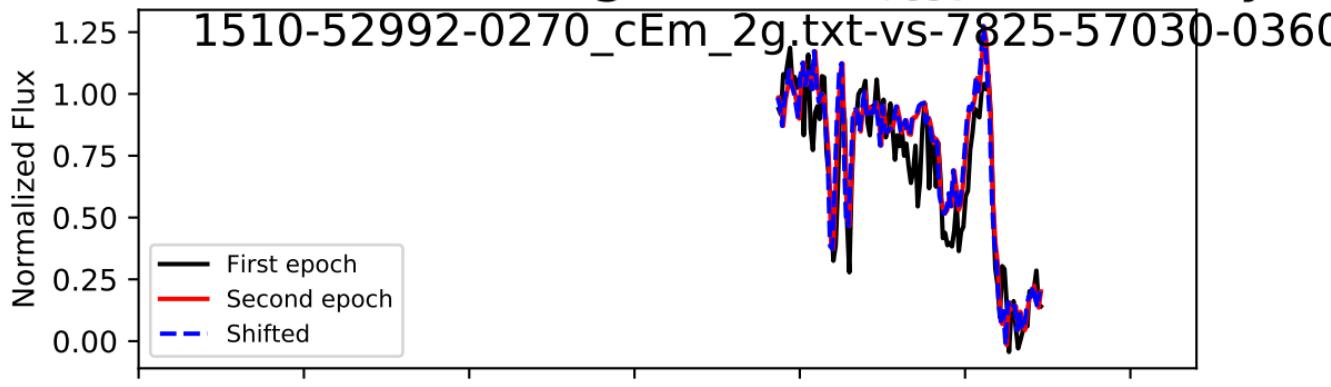
shift: -0.5 + 1.4 - 1.3 km/s, Accel: -0.001+ 0.003 - 0.002 cm

spectrum i = 33, Trough 0/1,  $\Delta t_{\text{rest}} = 1.807$  years

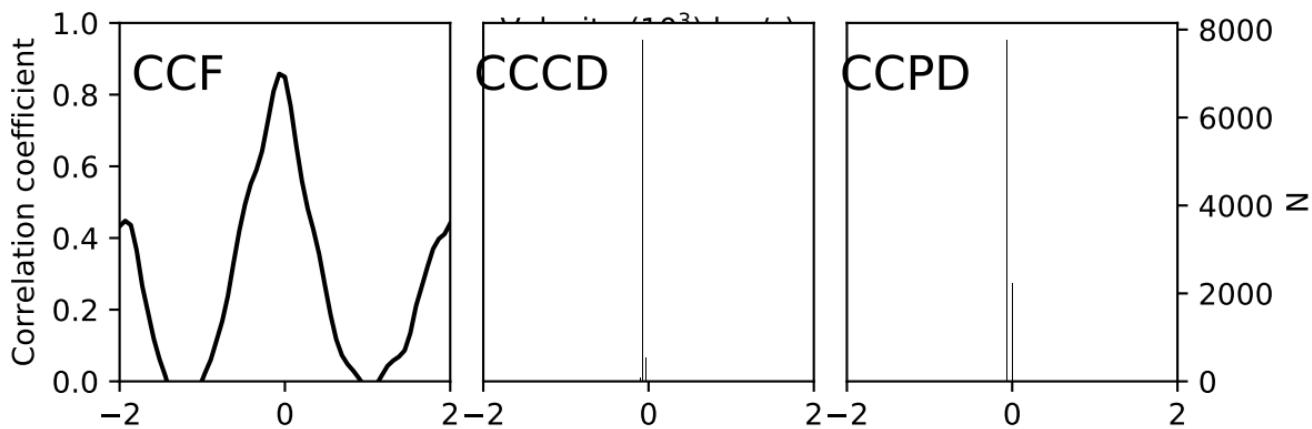
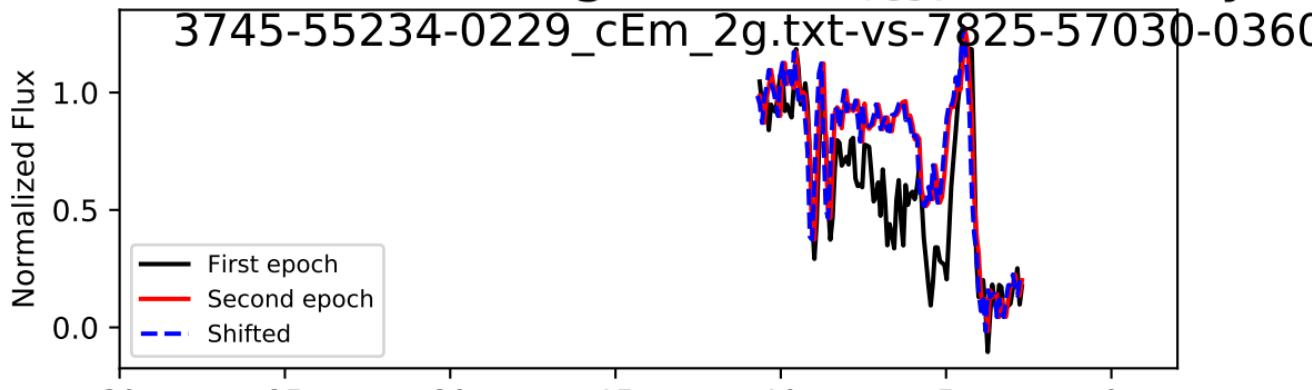


Shift:  $33.1 + 30.5 - 31.1$  km/s, Accel:  $0.058 + 0.053 - 0.055$  cm/s<sup>2</sup>

spectrum i = 33, Trough 0/1,  $\Delta t_{\text{rest}} = 3.254$  years

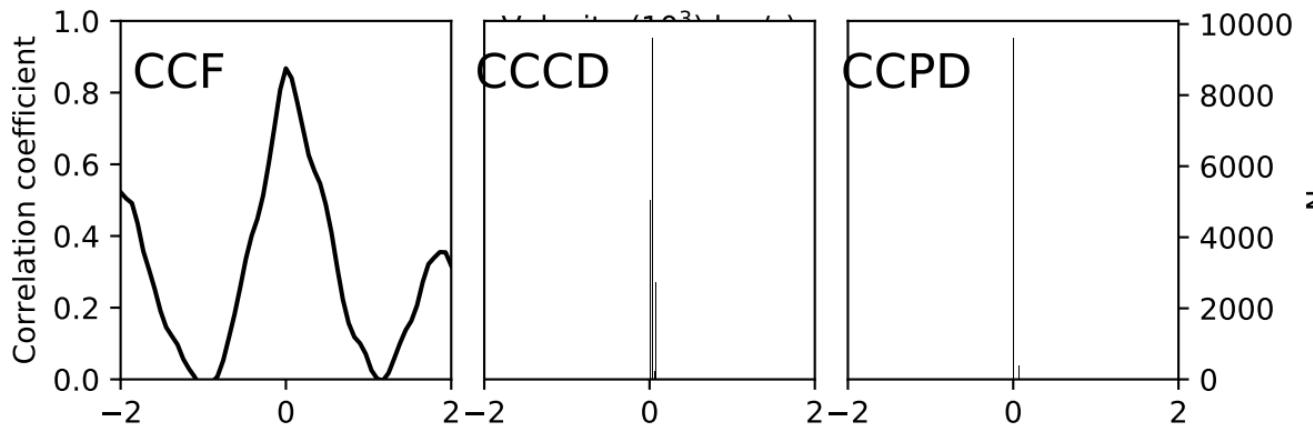
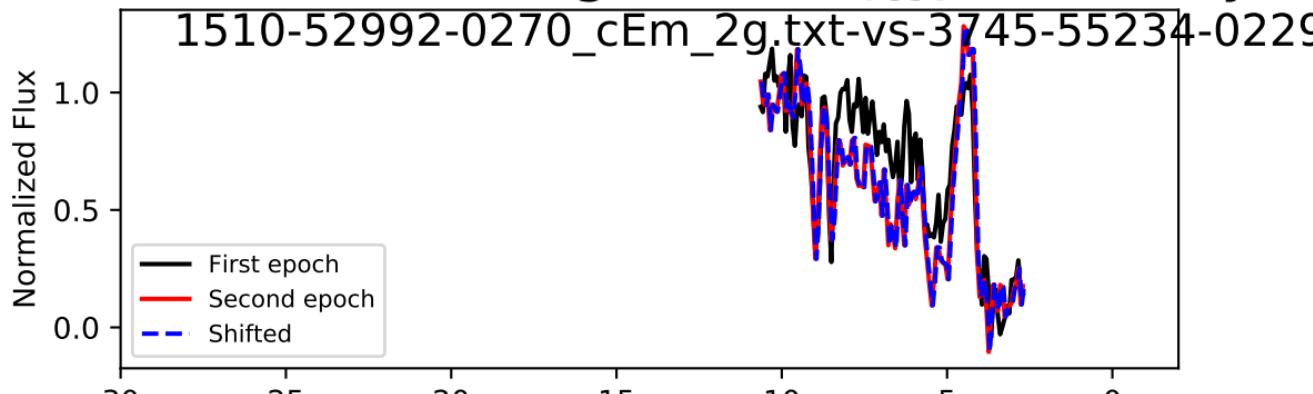


spectrum i = 33, Trough 0/1,  $\Delta t_{\text{rest}} = 1.447$  years



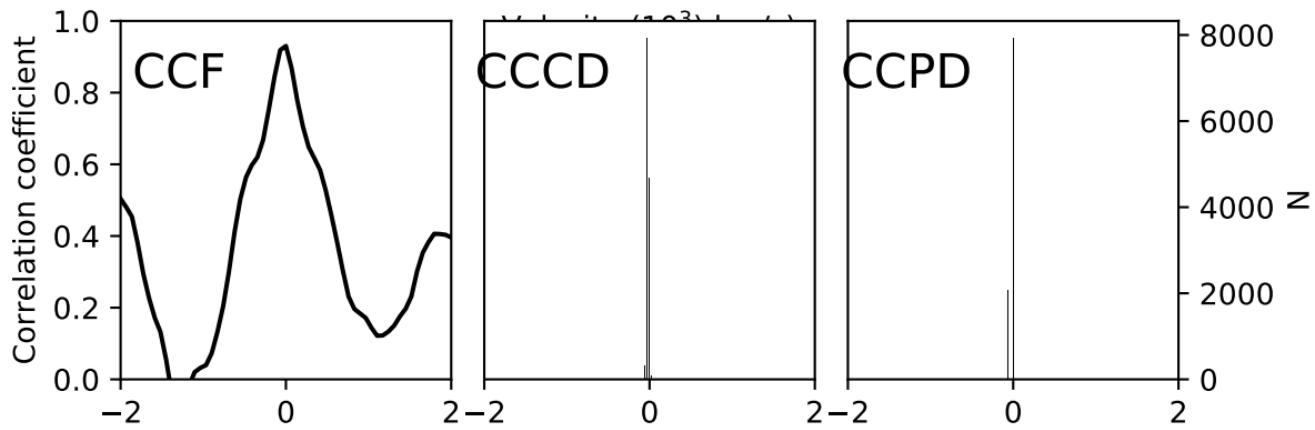
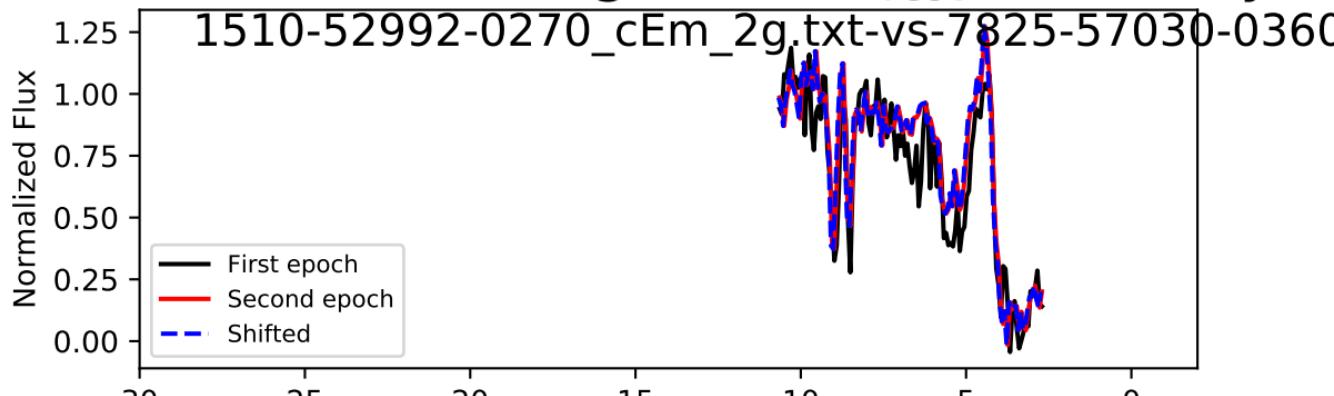
Shift: -66.7 + 1.2 - 1.1 km/s, Accel: -0.146+ 0.003 - 0.002 cm

spectrum i = 33, Trough 1/1,  $\Delta t_{\text{rest}} = 1.807$  years



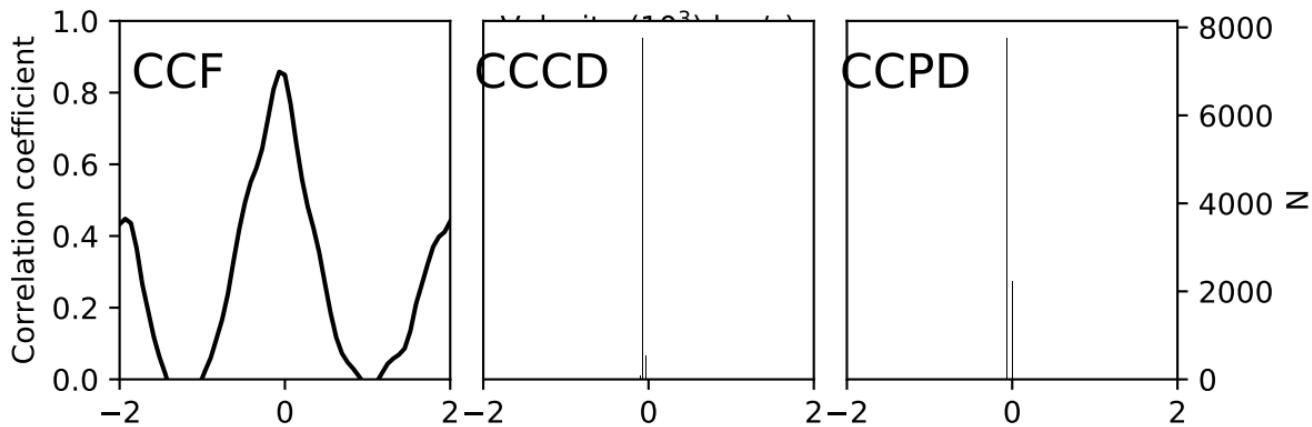
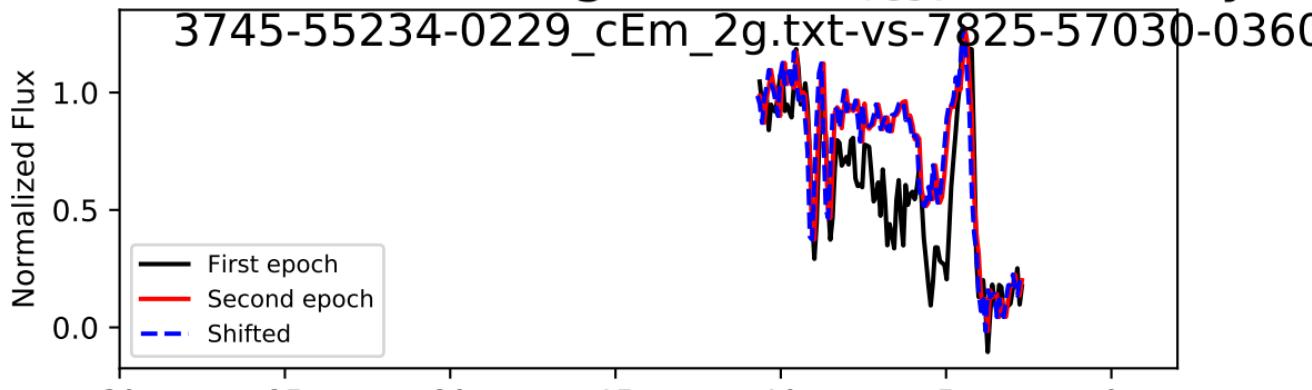
Shift:  $33.1 + 30.4 - 31.1$  km/s, Accel:  $0.058 + 0.053 - 0.055$  cm/s<sup>2</sup>

spectrum  $i = 33$ , Trough 1/1,  $\Delta t_{\text{rest}} = 3.254$  years

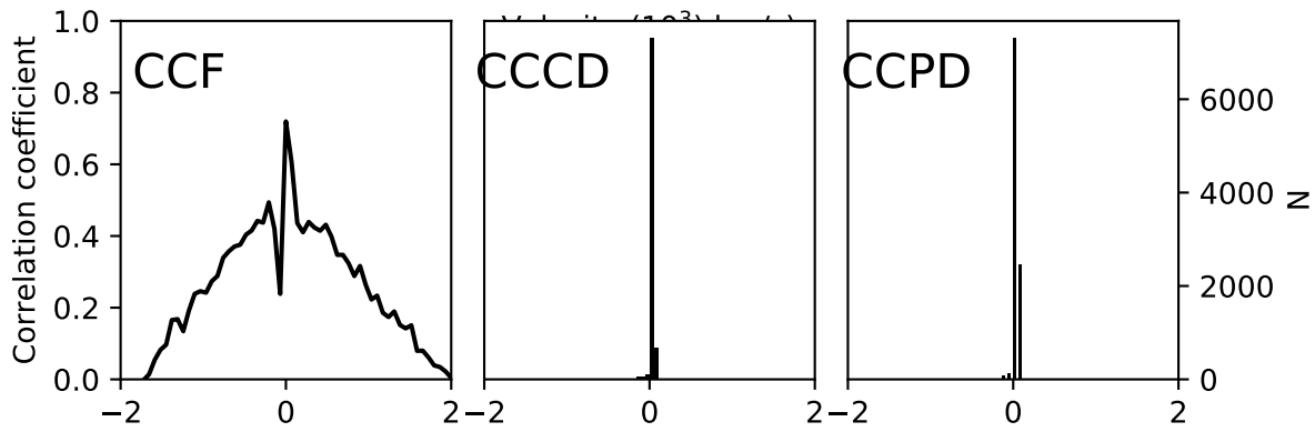
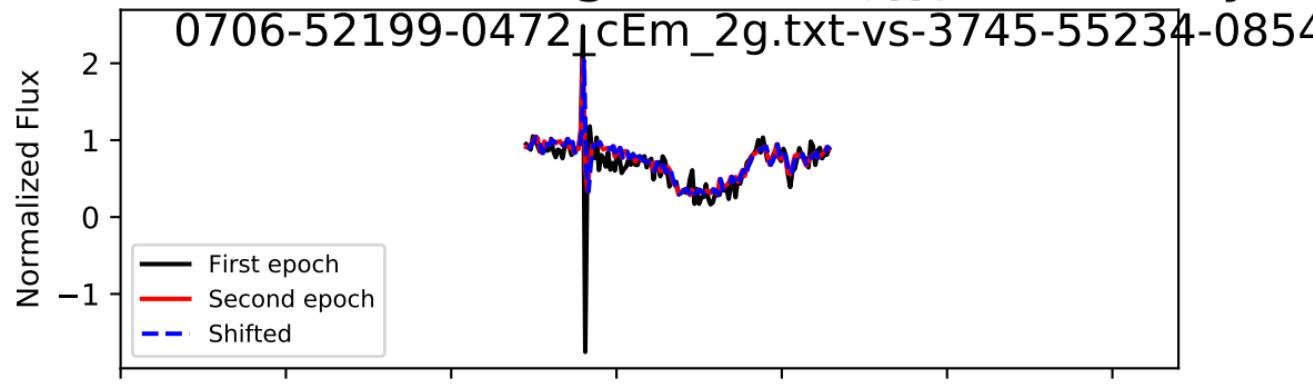


Shift:  $-32.8 + 30.7 - 1.6$  km/s, Accel:  $-0.032 + 0.030 - 0.002$  cm/s<sup>2</sup>

spectrum i = 33, Trough 1/1,  $\Delta t_{\text{rest}} = 1.447$  years

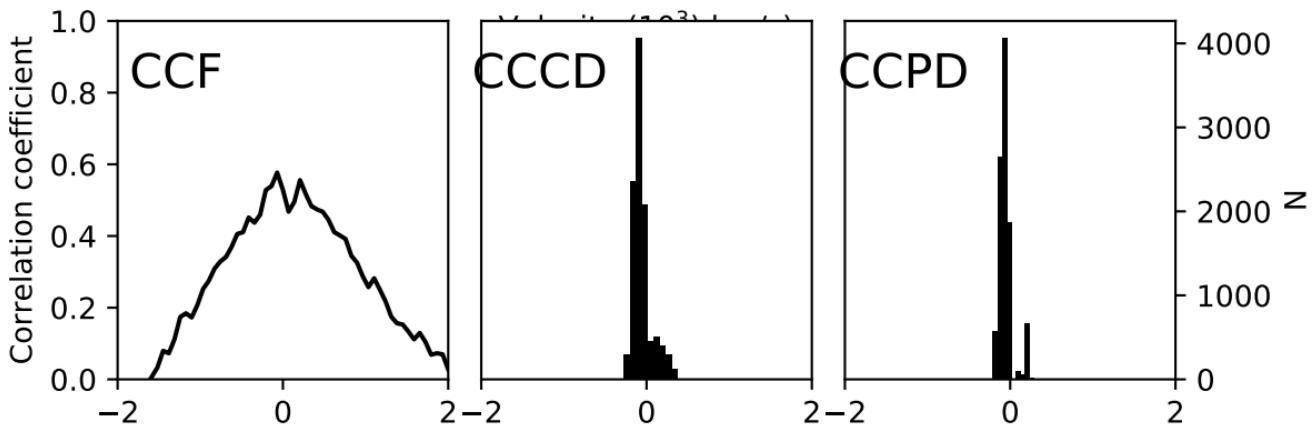
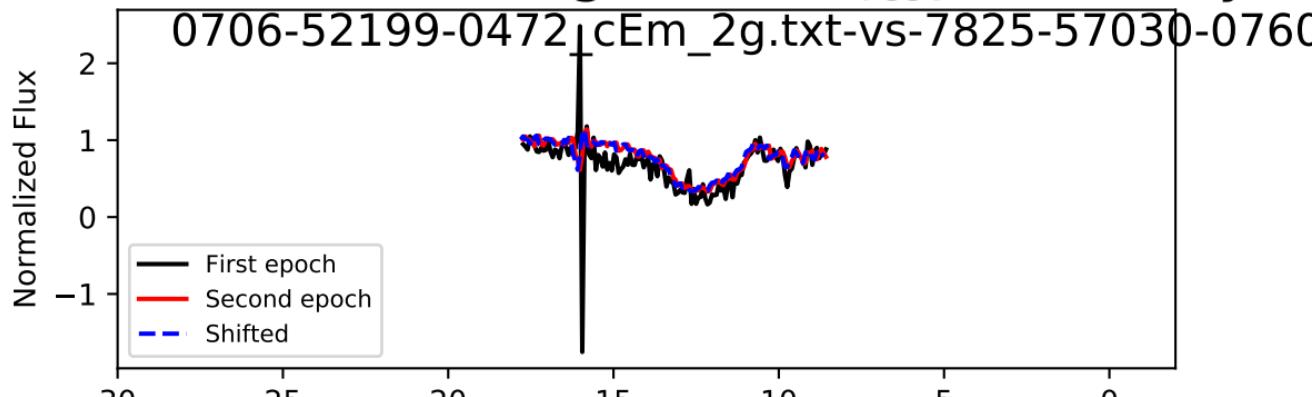


spectrum i = 34, Trough 0/1,  $\Delta t_{\text{rest}} = 2.189$  years



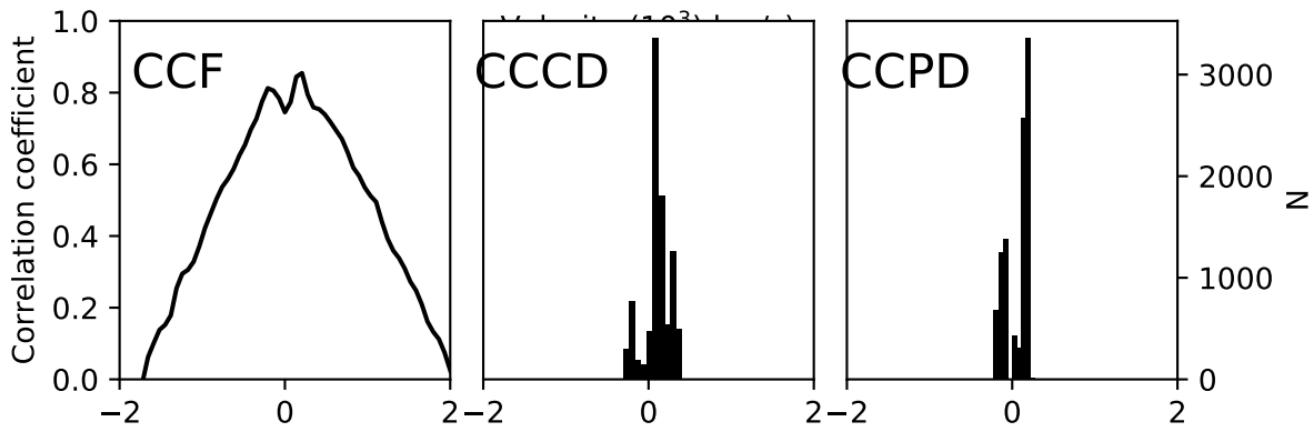
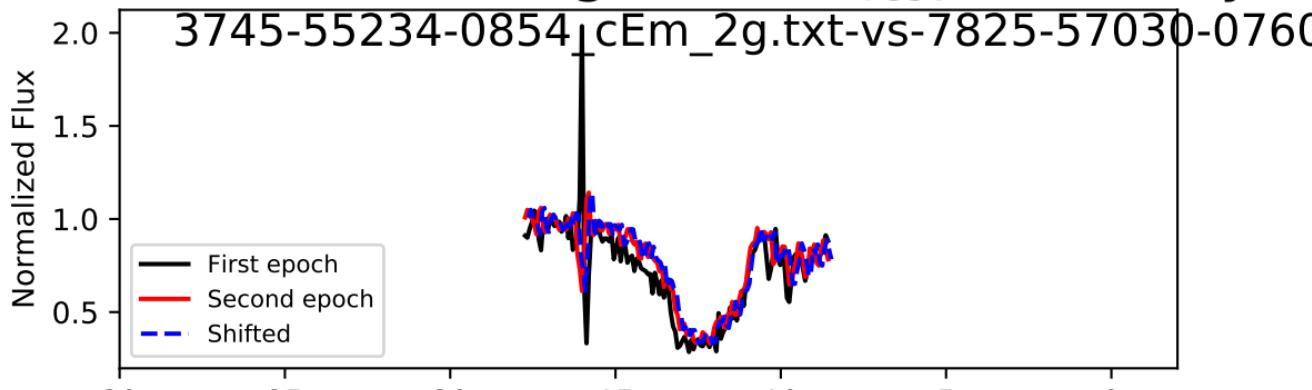
Shift: 31.5 + 4.6 - 31.5 km/s, Accel: 0.046+ 0.007 - 0.046 cm

spectrum i = 34, Trough 0/1,  $\Delta t_{\text{rest}} = 3.484$  years



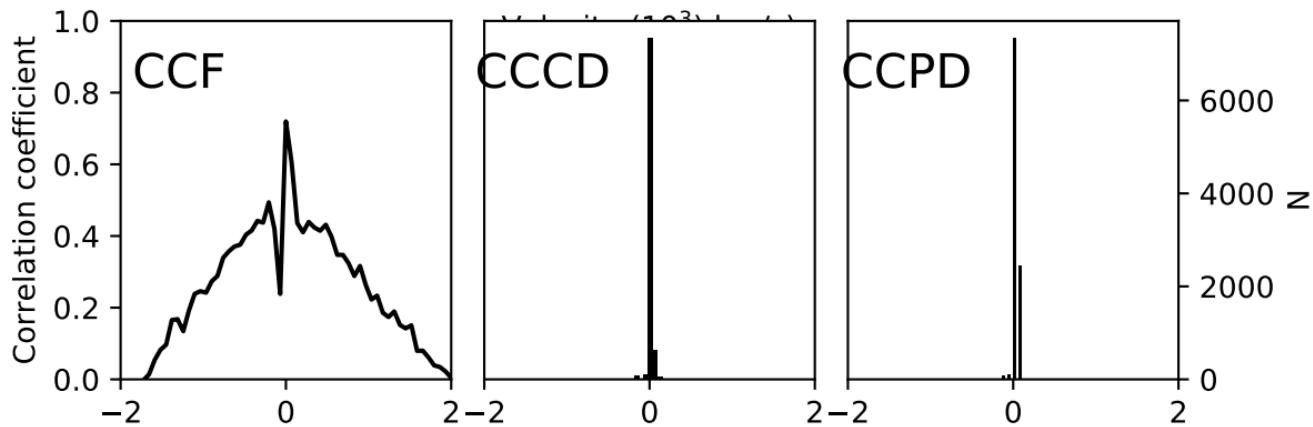
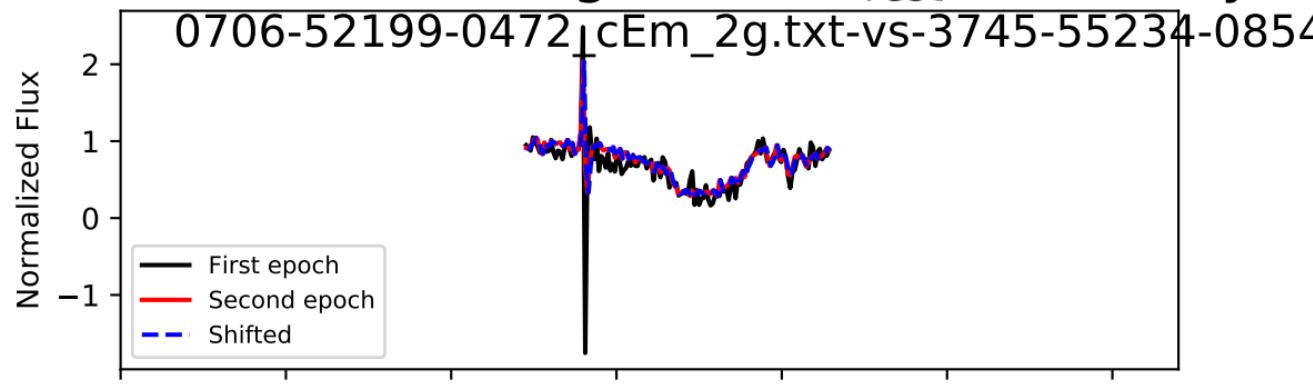
ft: -69.0 + 100.9 - 69.0 km/s, Accel: -0.063+ 0.092 - 0.063 cm/s<sup>2</sup>

spectrum i = 34, Trough 0/1,  $\Delta t_{\text{rest}} = 1.295$  years

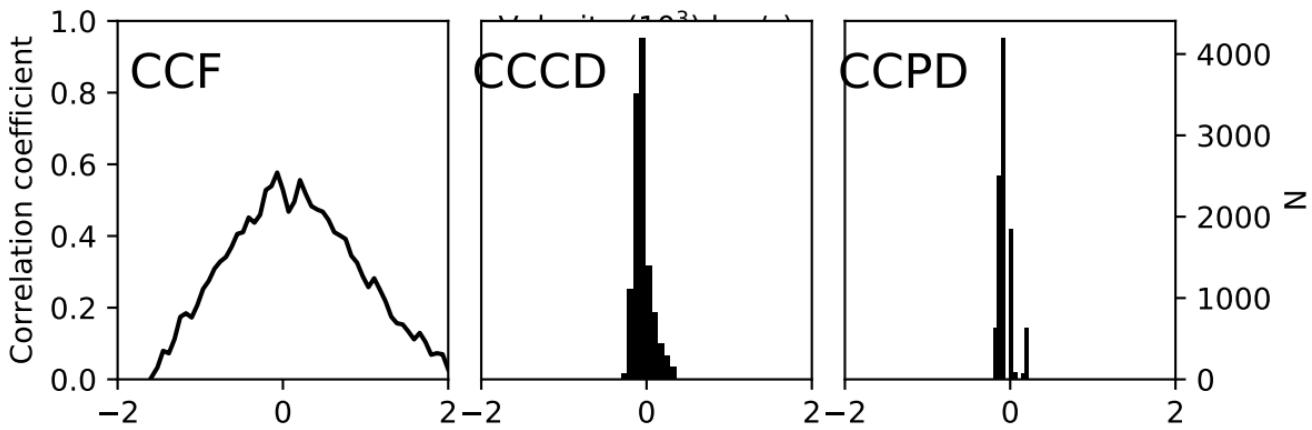
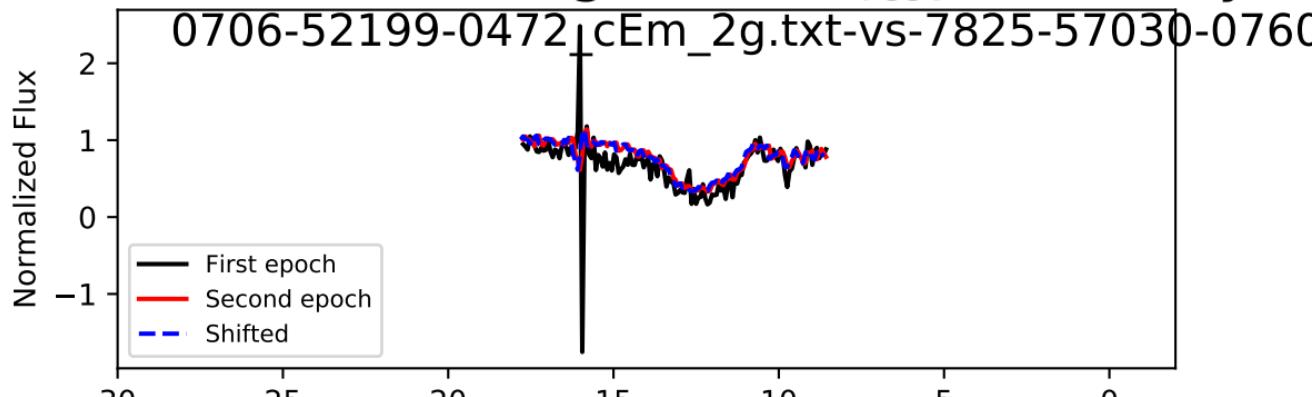


ft: 102.2 + 167.2 - 102.1 km/s, Accel: 0.250+ 0.409 - 0.250 cm

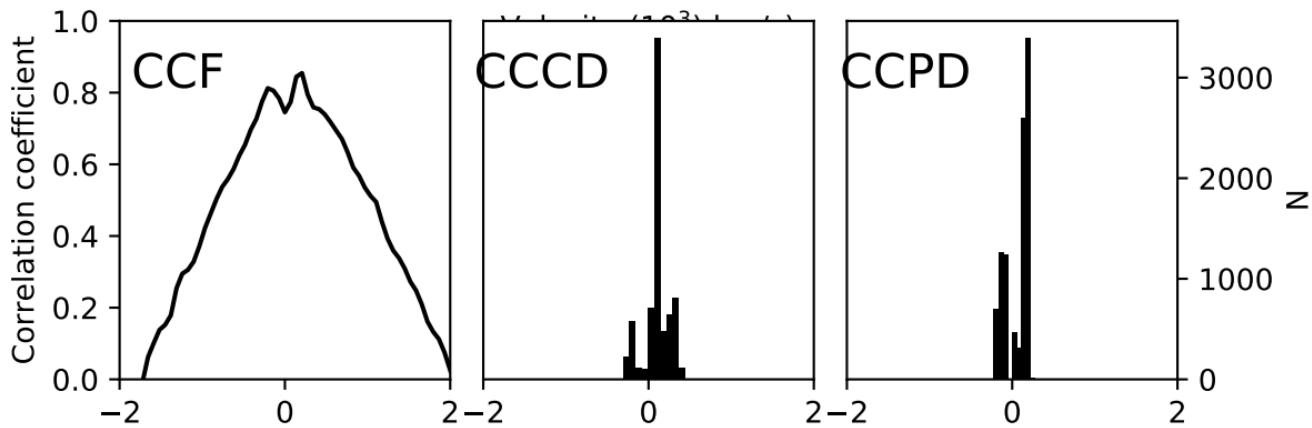
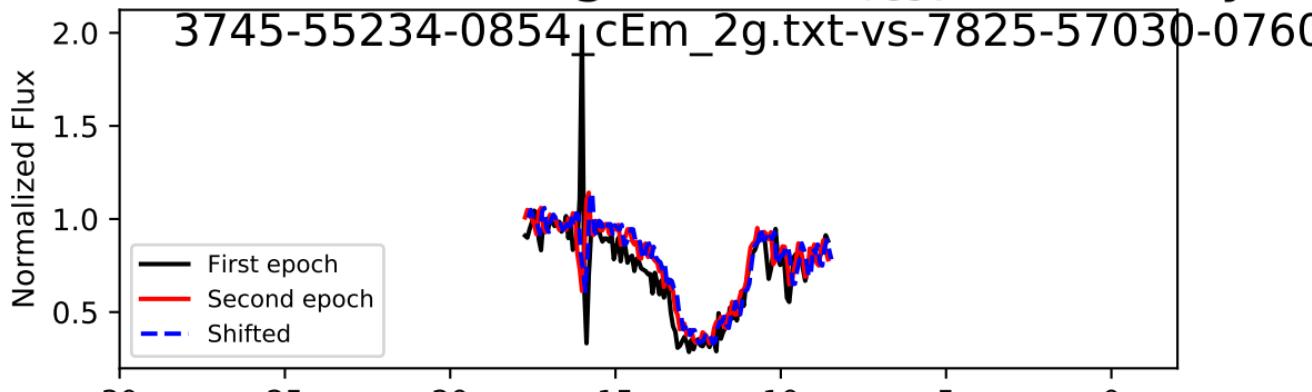
spectrum i = 34, Trough 1/1,  $\Delta t_{\text{rest}} = 2.189$  years



spectrum i = 34, Trough 1/1,  $\Delta t_{\text{rest}} = 3.484$  years

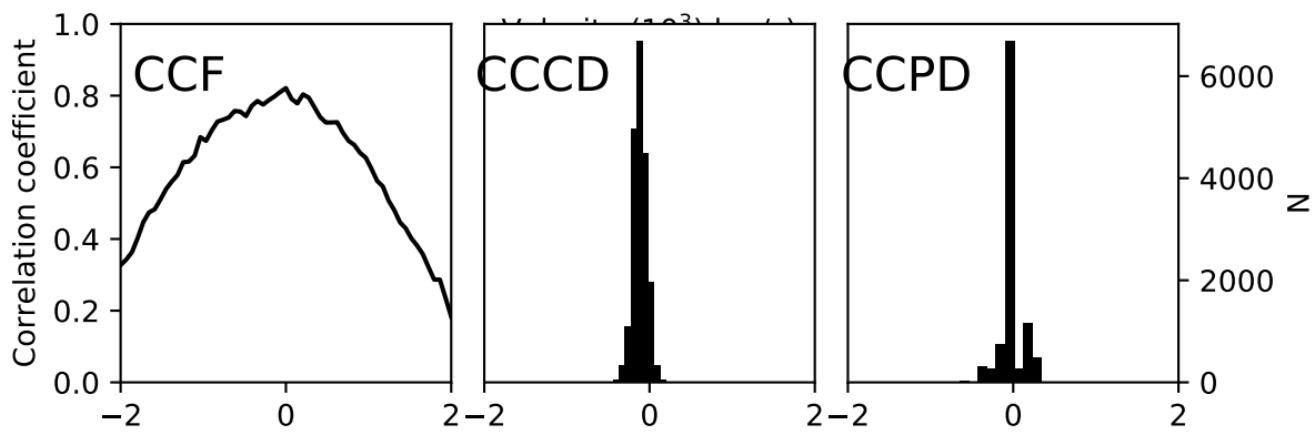
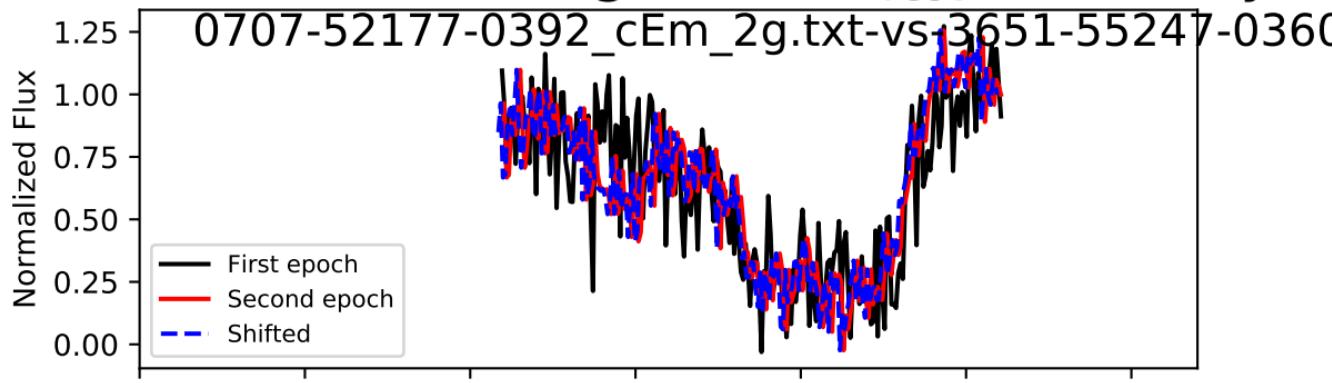


spectrum i = 34, Trough 1/1,  $\Delta t_{\text{rest}} = 1.295$  years



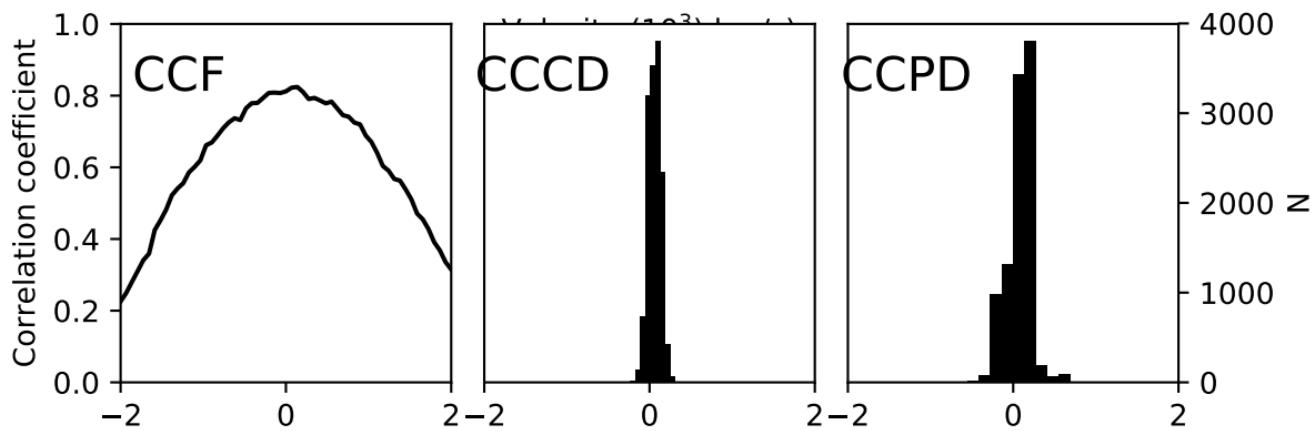
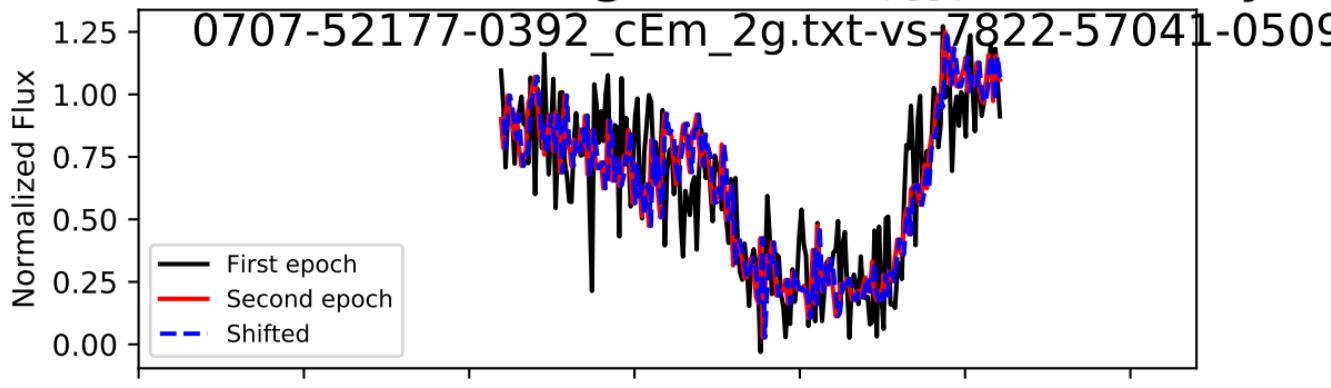
ft: 101.8 + 167.7 - 71.3 km/s, Accel: 0.249+ 0.411 - 0.175 cm/s<sup>2</sup>

spectrum  $i = 35$ , Trough 0/0,  $\Delta t_{\text{rest}} = 2.406$  years

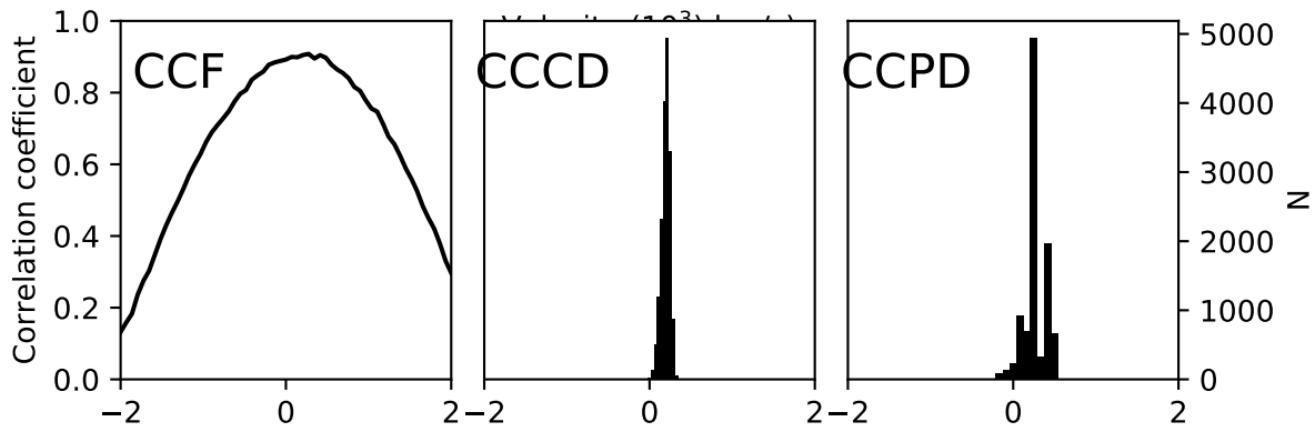
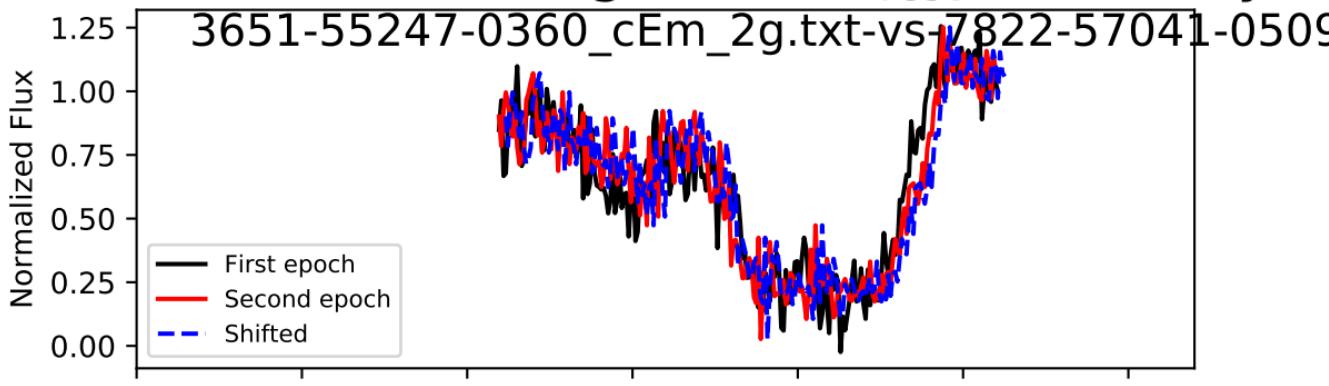


t: -108.0 + 74.0 - 91.1 km/s, Accel: -0.142+ 0.097 - 0.120 cm/s<sup>2</sup>

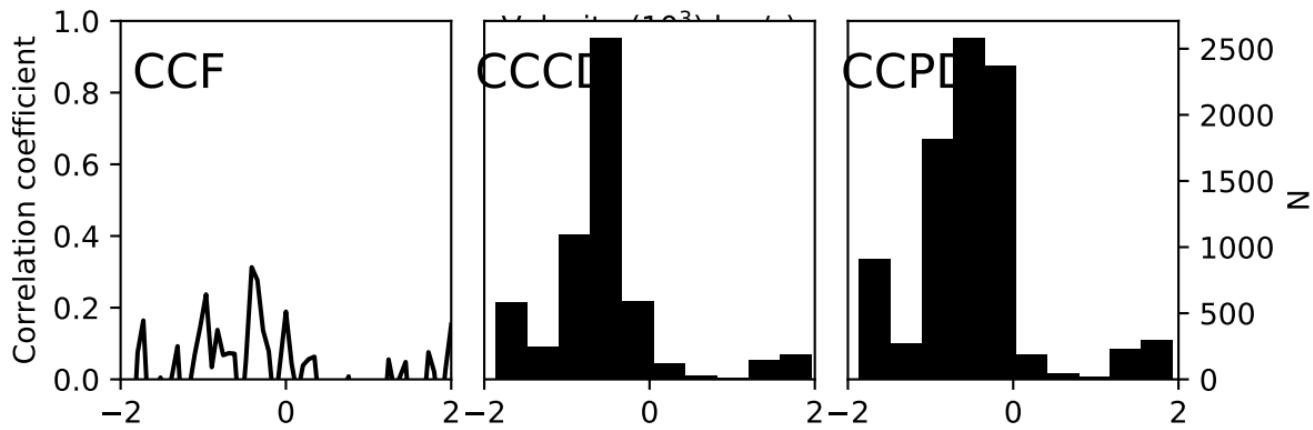
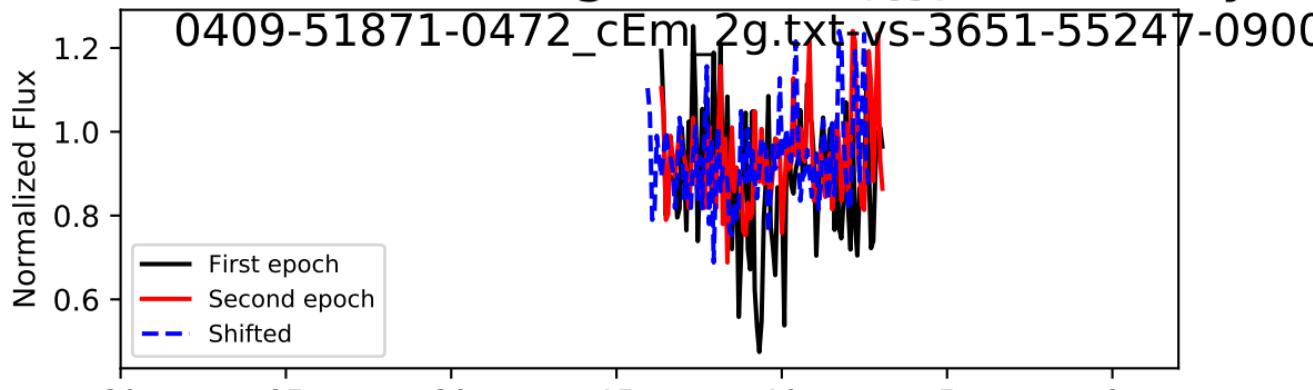
spectrum  $i = 35$ , Trough 0/0,  $\Delta t_{\text{rest}} = 3.813$  years



spectrum  $i = 35$ , Trough 0/0,  $\Delta t_{\text{rest}} = 1.406$  years

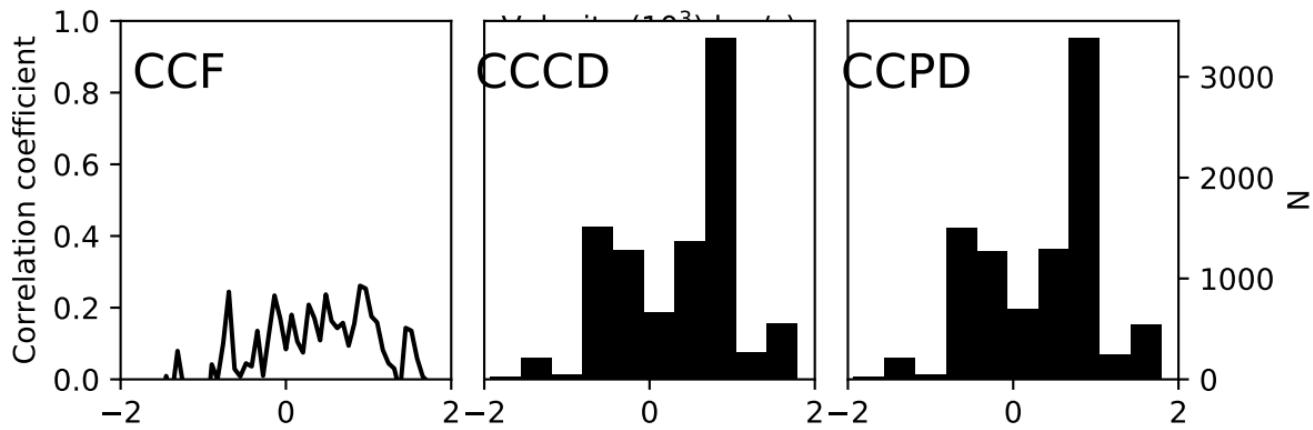
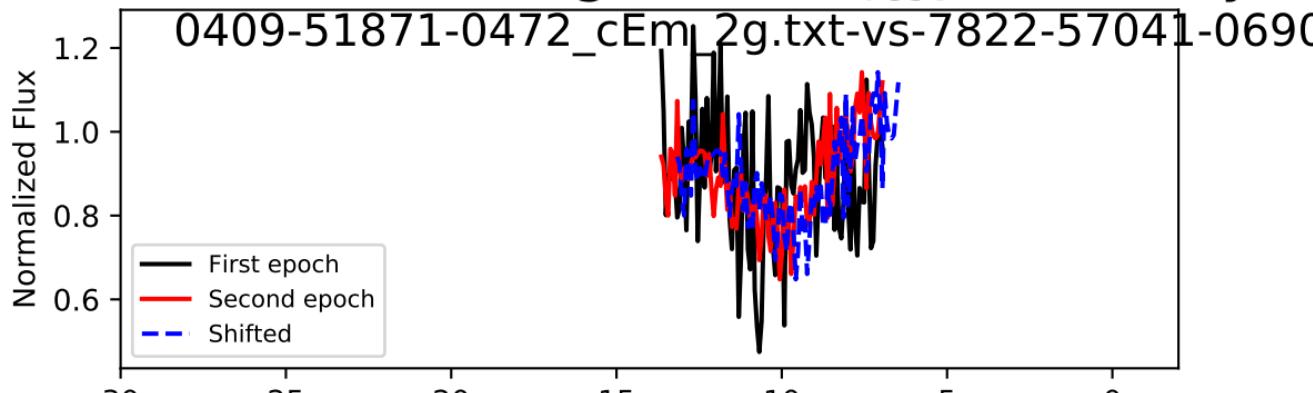


spectrum  $i = 38$ , Trough 0/1,  $\Delta t_{\text{rest}} = 2.937$  years



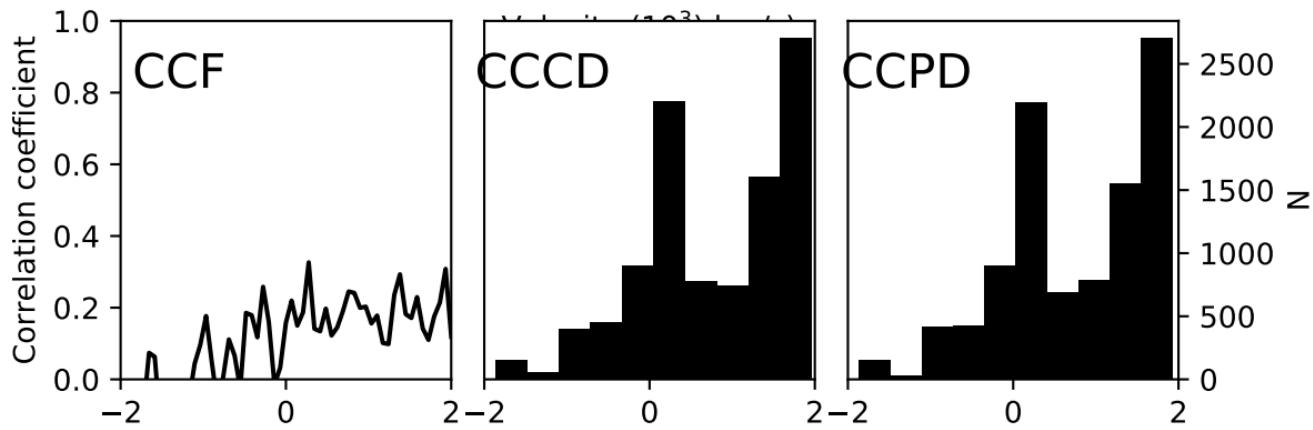
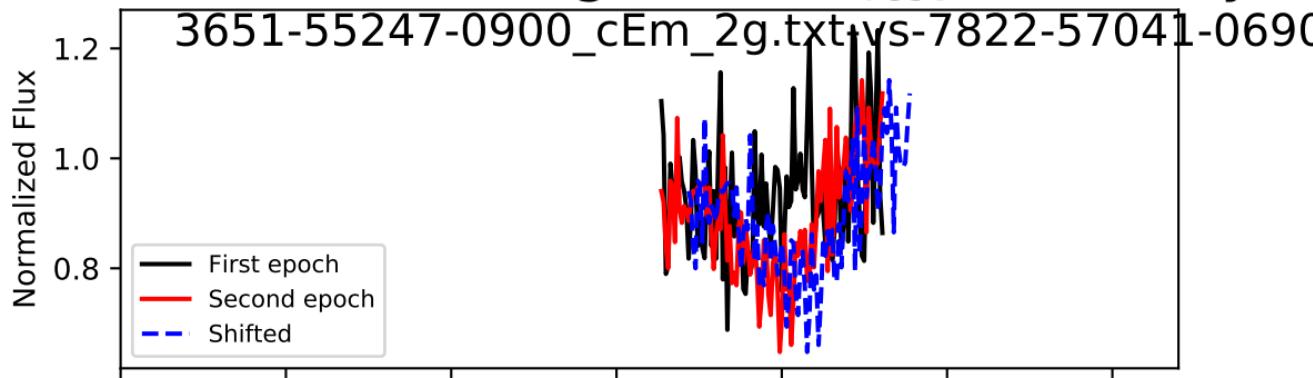
: -414.0 + 207.0 - 621.0 km/s, Accel: -0.447 + 0.224 - 0.671 c

spectrum i = 38, Trough 0/1,  $\Delta t_{\text{rest}} = 4.497$  years



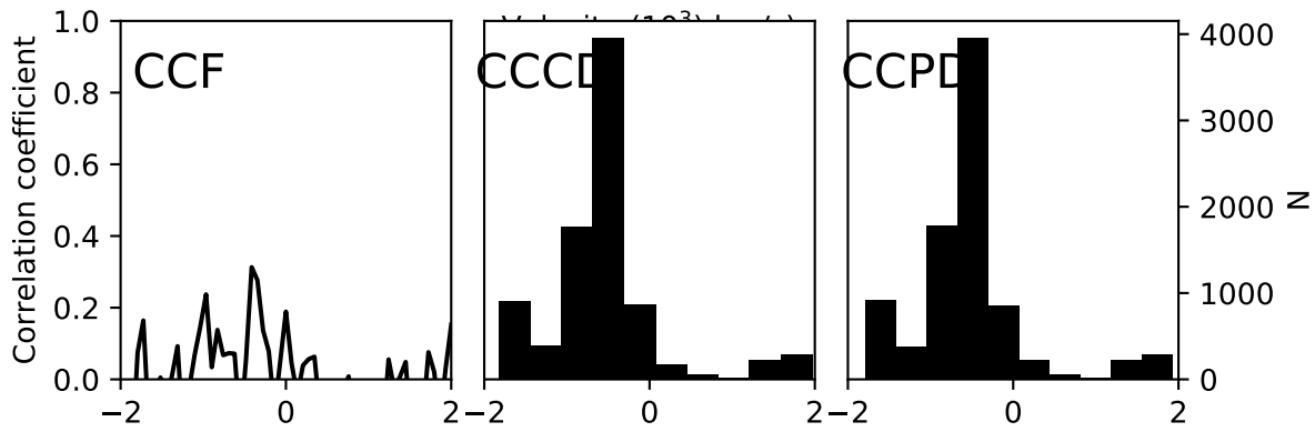
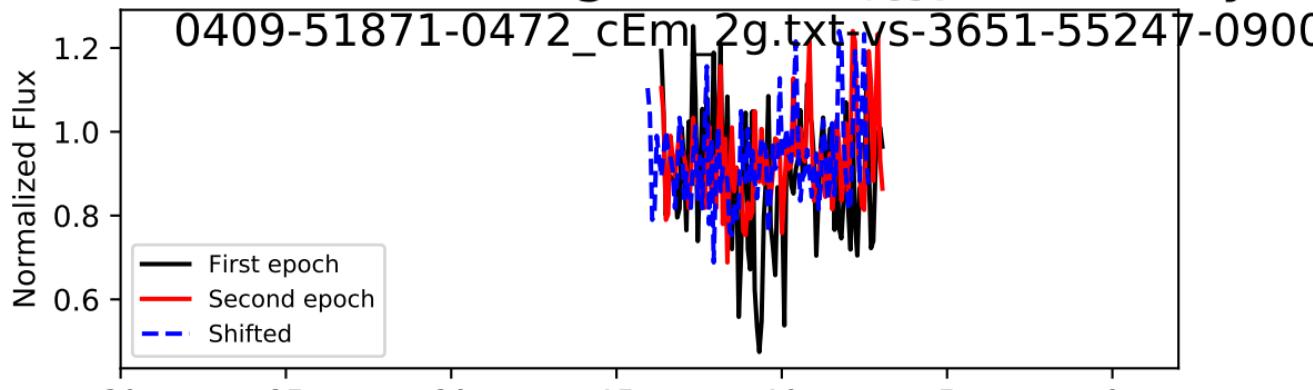
: 483.0 + 483.0 - 1173.0 km/s, Accel: 0.341+ 0.341 - 0.827 c

spectrum i = 38, Trough 0/1,  $\Delta t_{\text{rest}} = 1.561$  years



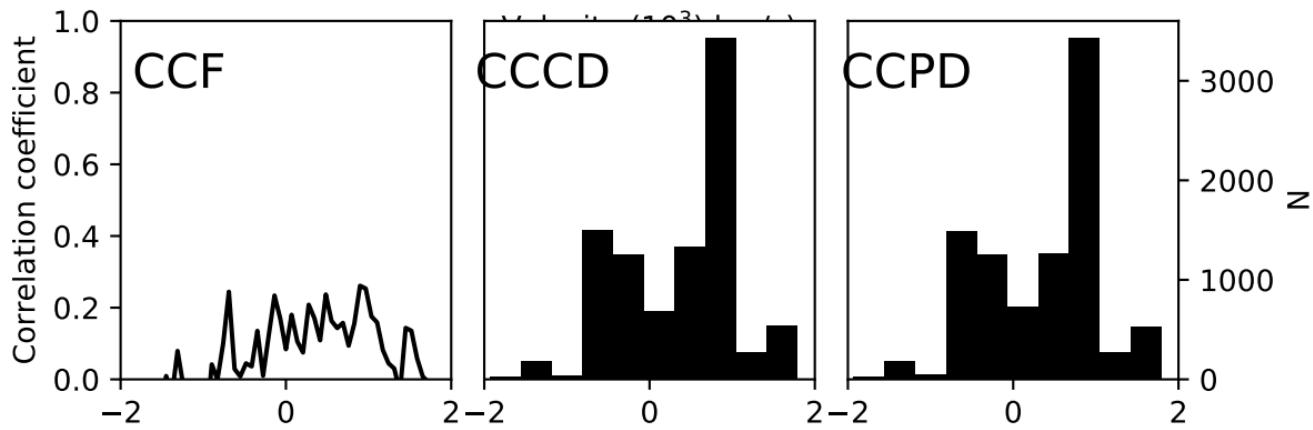
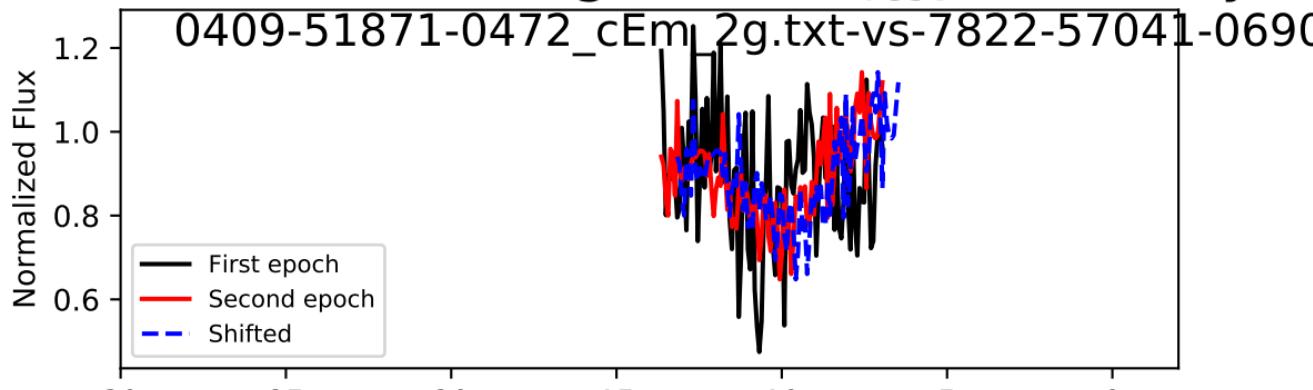
828.0 + 1071.3 - 1104.0 km/s, Accel: 1.682+ 2.177 - 2.243

spectrum i = 38, Trough 1/1,  $\Delta t_{\text{rest}} = 2.937$  years



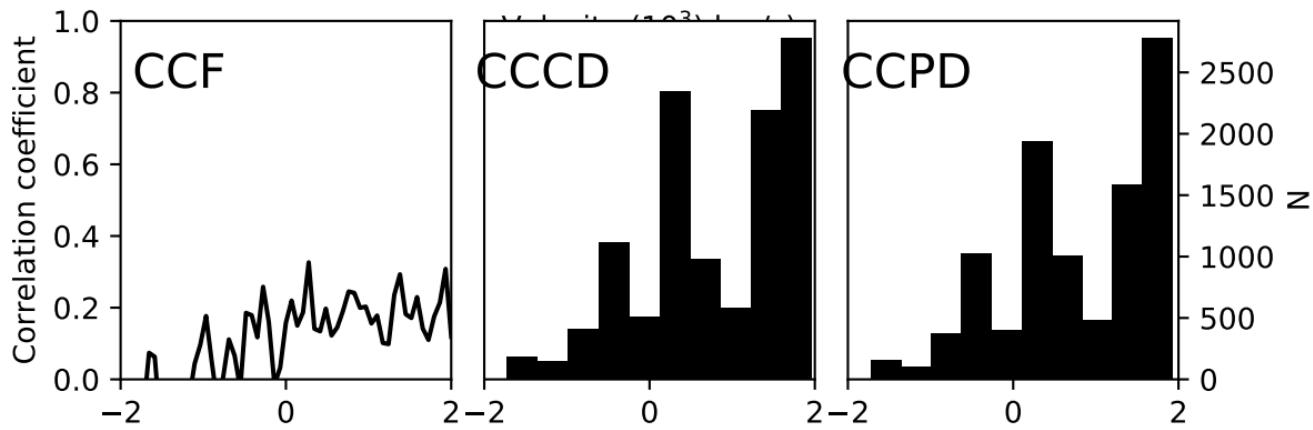
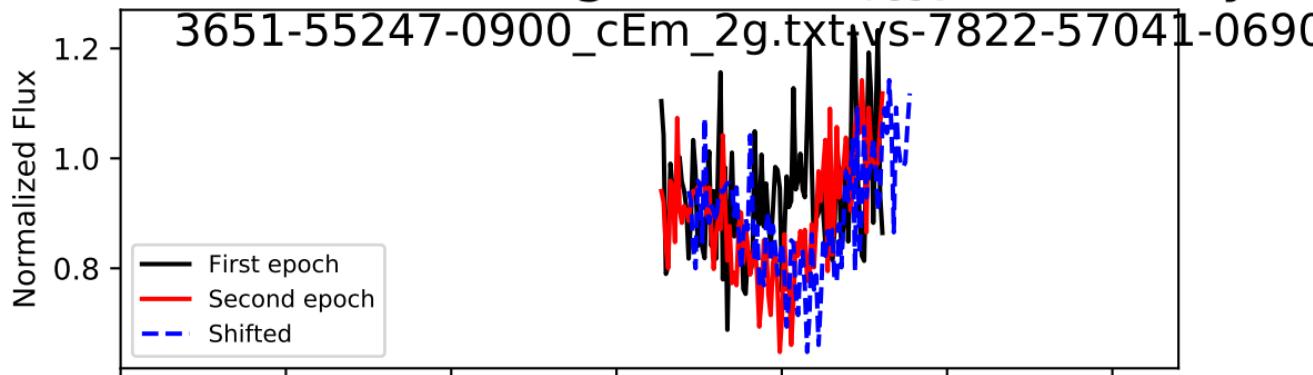
: -414.0 + 345.0 - 621.0 km/s, Accel: -0.447+ 0.373 - 0.671 c

spectrum  $i = 38$ , Trough 1/1,  $\Delta t_{\text{rest}} = 4.497$  years



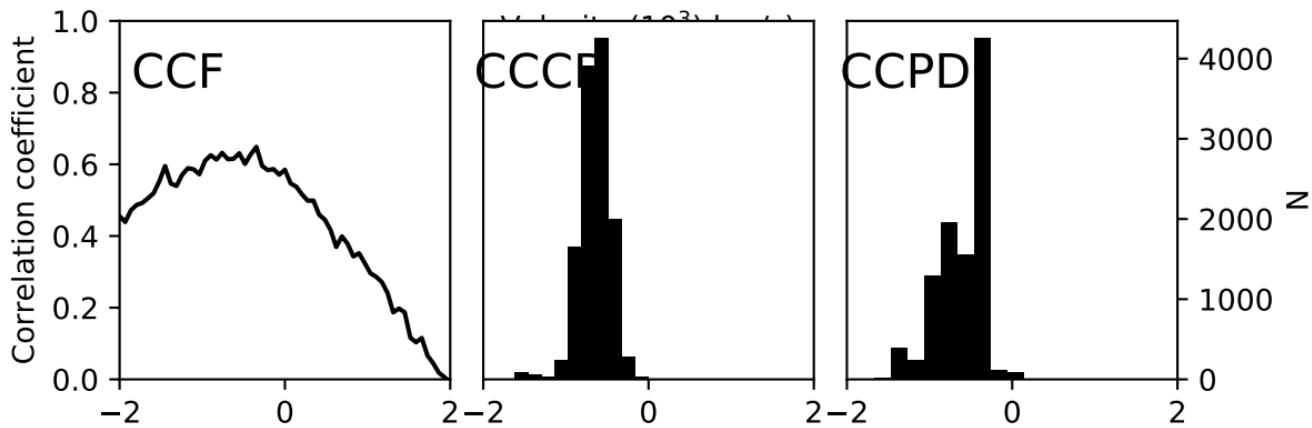
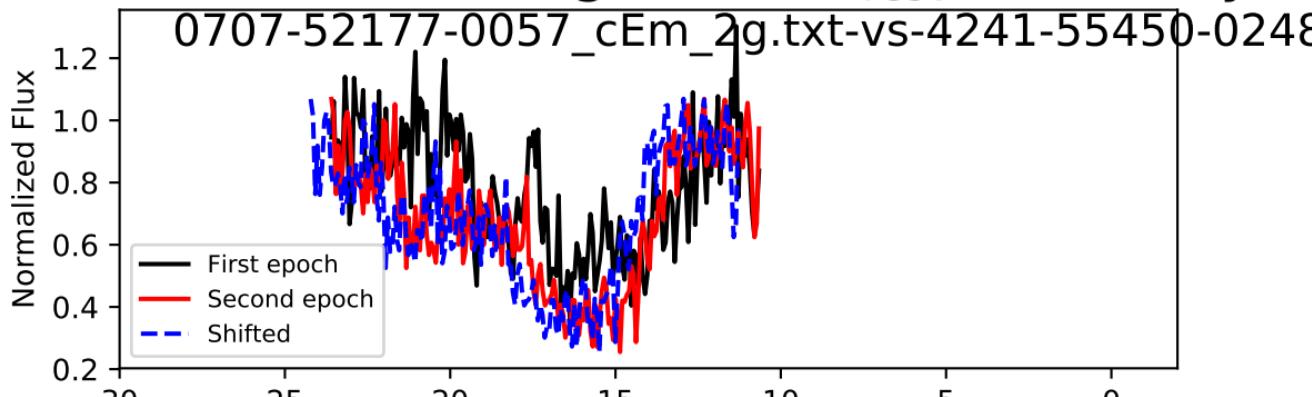
: 483.0 + 483.0 - 1173.0 km/s, Accel: 0.341+ 0.341 - 0.827 c

pectrum i = 38, Trough 1/1,  $\Delta t_{rest} = 1.561$  year



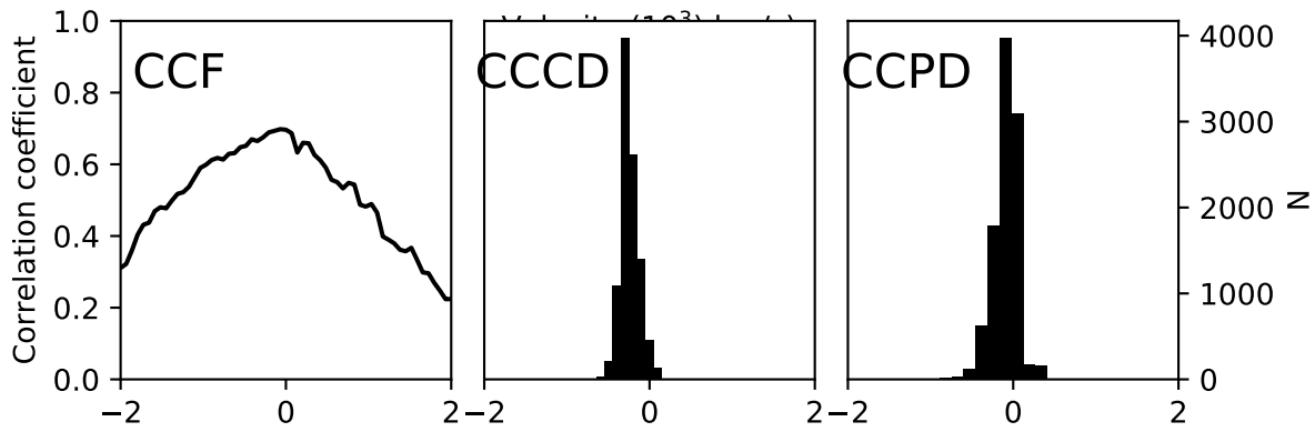
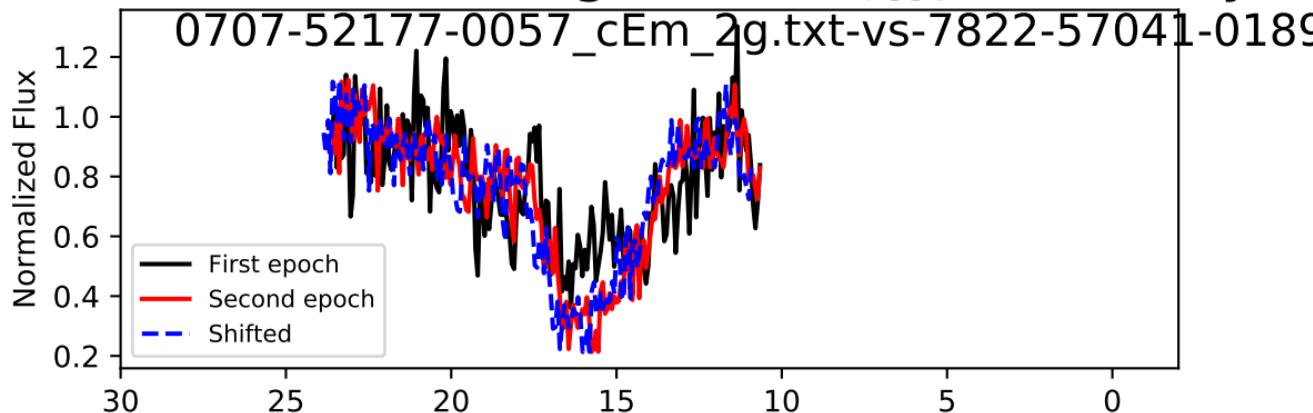
828.0 + 1072.6 - 1104.0 km/s, Accel: 1.682+ 2.179 - 2.243

spectrum i = 39, Trough 0/0,  $\Delta t_{\text{rest}} = 2.571$  years



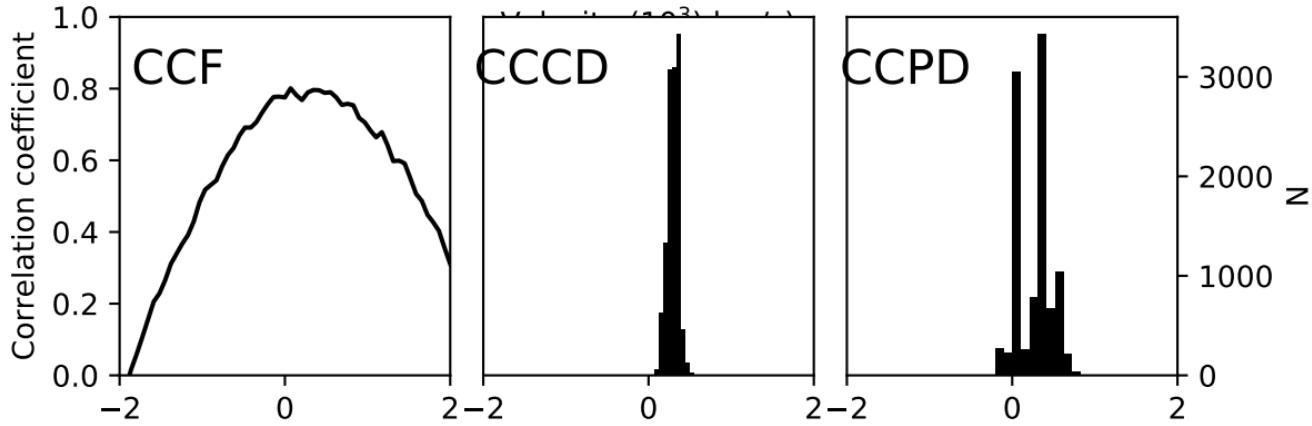
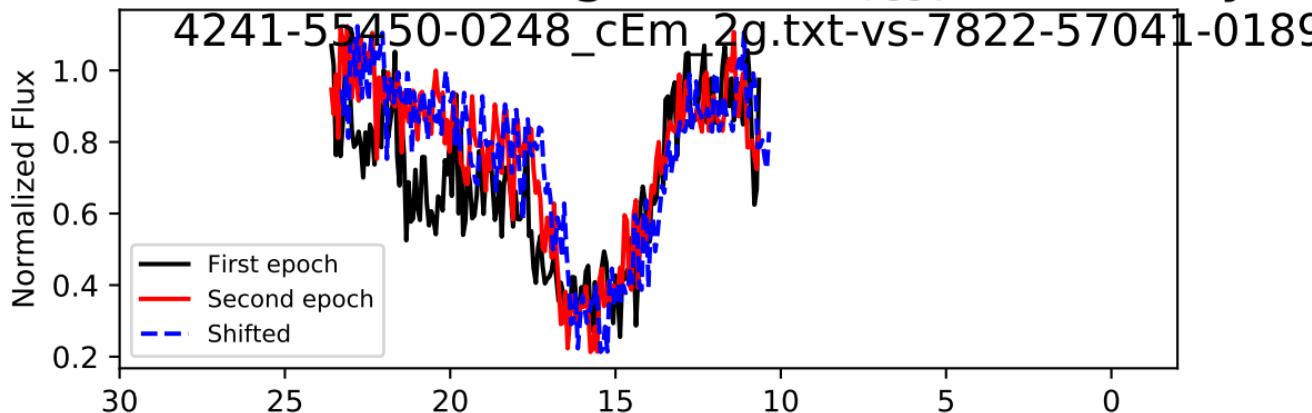
: -626.5 + 145.9 - 192.2 km/s, Accel: -0.773+ 0.180 - 0.237 c

spectrum i = 39, Trough 0/0,  $\Delta t_{\text{rest}} = 3.820$  years

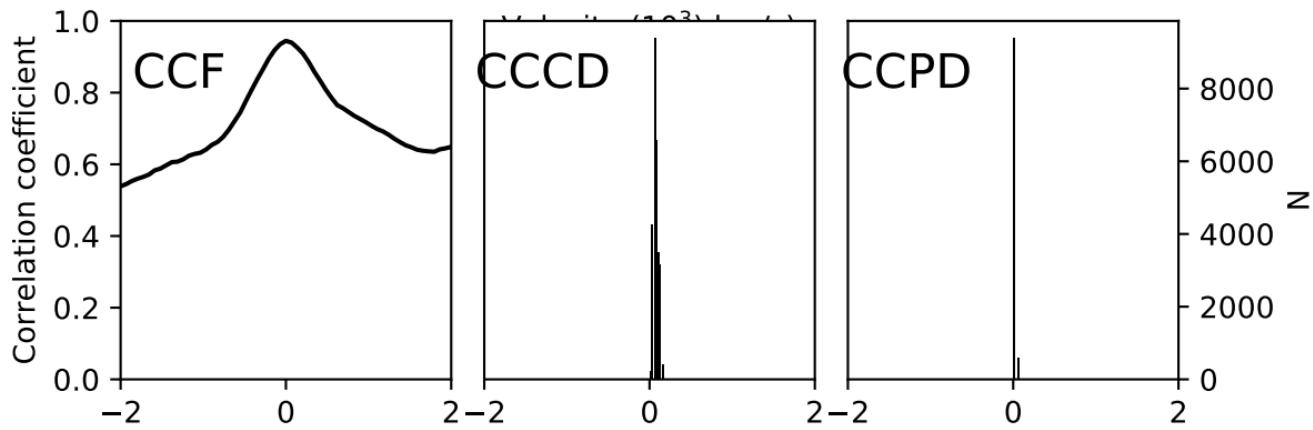
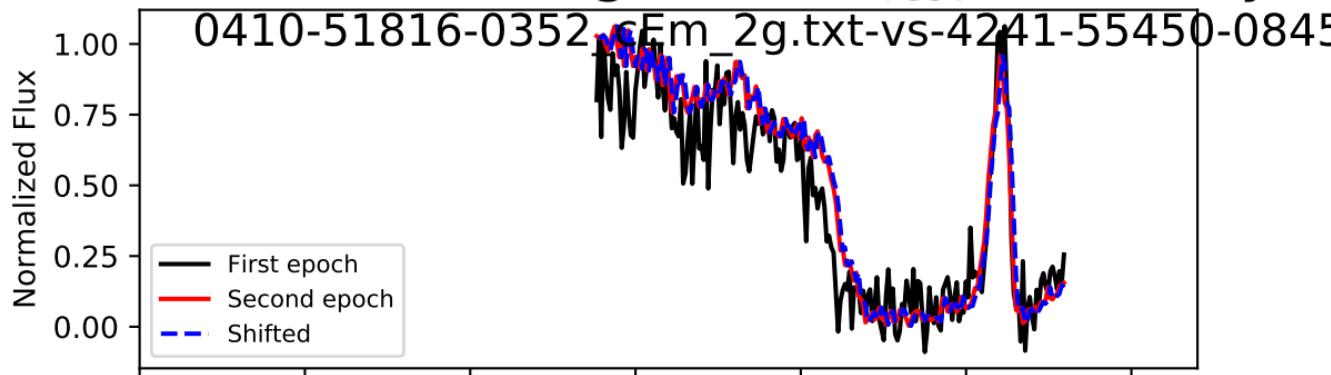


t: -266.0 + 134.5 - 75.4 km/s, Accel: -0.221+ 0.112 - 0.063 c

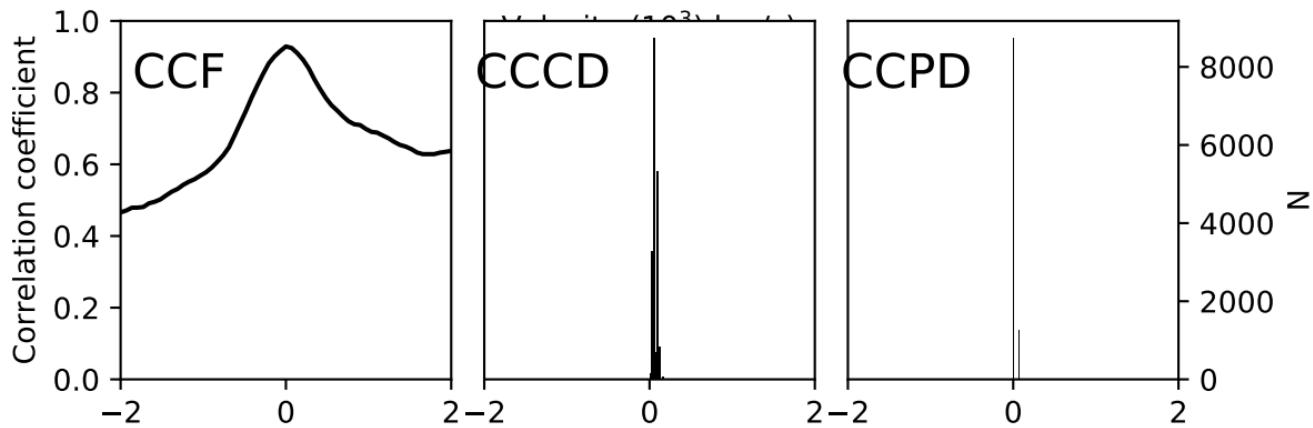
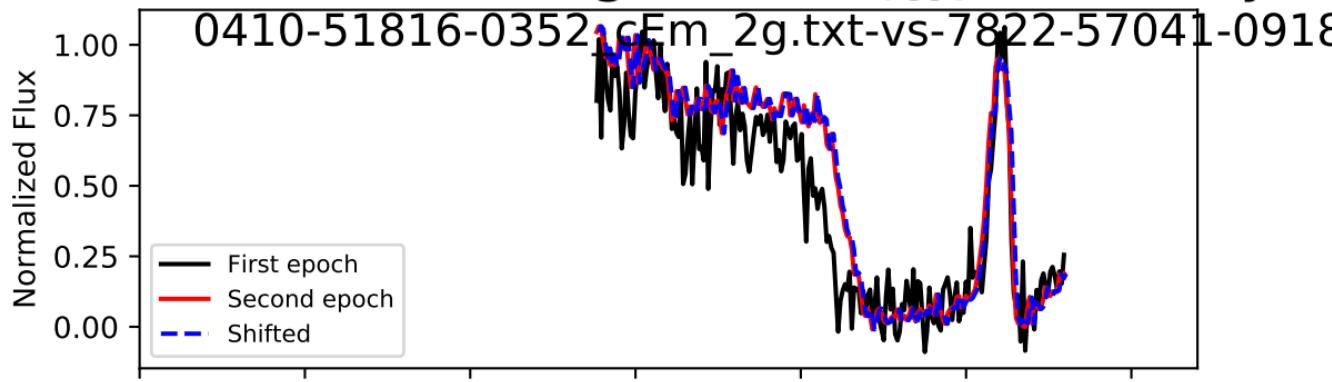
spectrum i = 39, Trough 0/0,  $\Delta t_{\text{rest}} = 1.250$  years



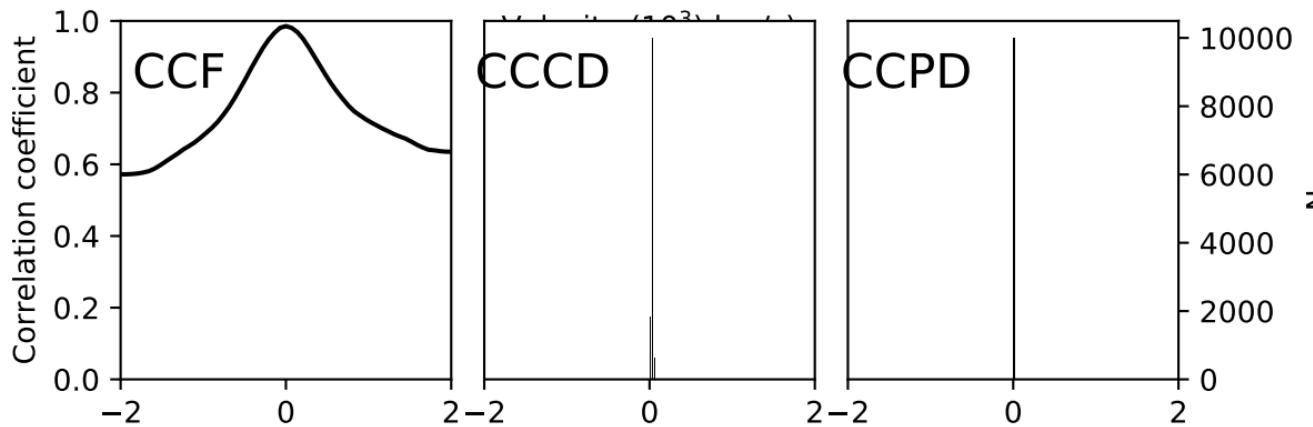
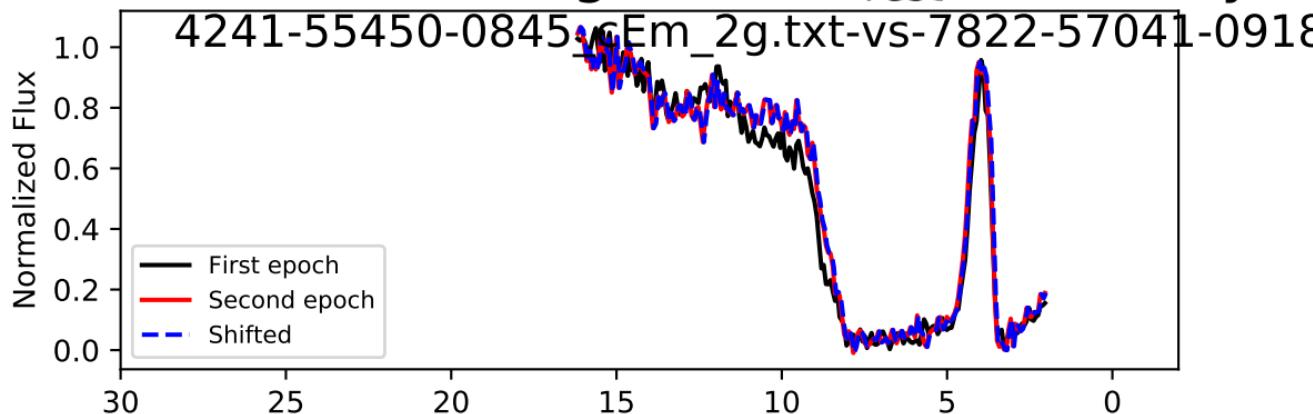
spectrum i = 40, Trough 0/1,  $\Delta t_{\text{rest}} = 2.934$  years



spectrum i = 40, Trough 0/1,  $\Delta t_{\text{rest}} = 4.219$  years

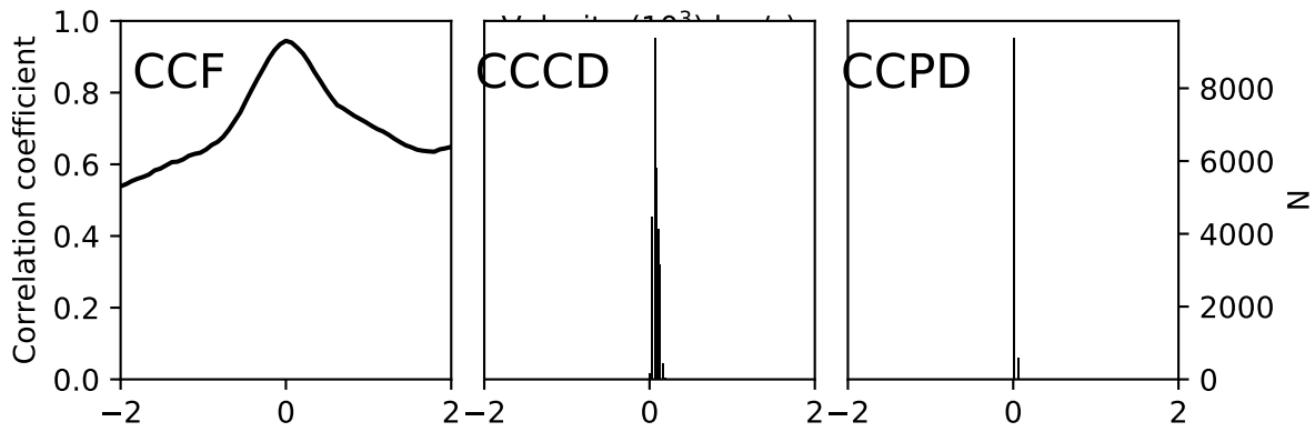
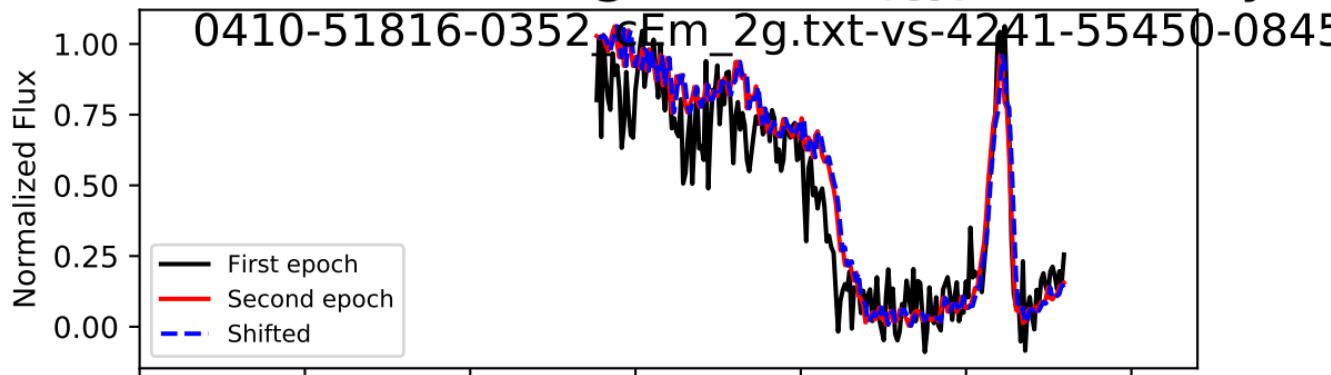


spectrum i = 40, Trough 0/1,  $\Delta t_{\text{rest}} = 1.285$  years

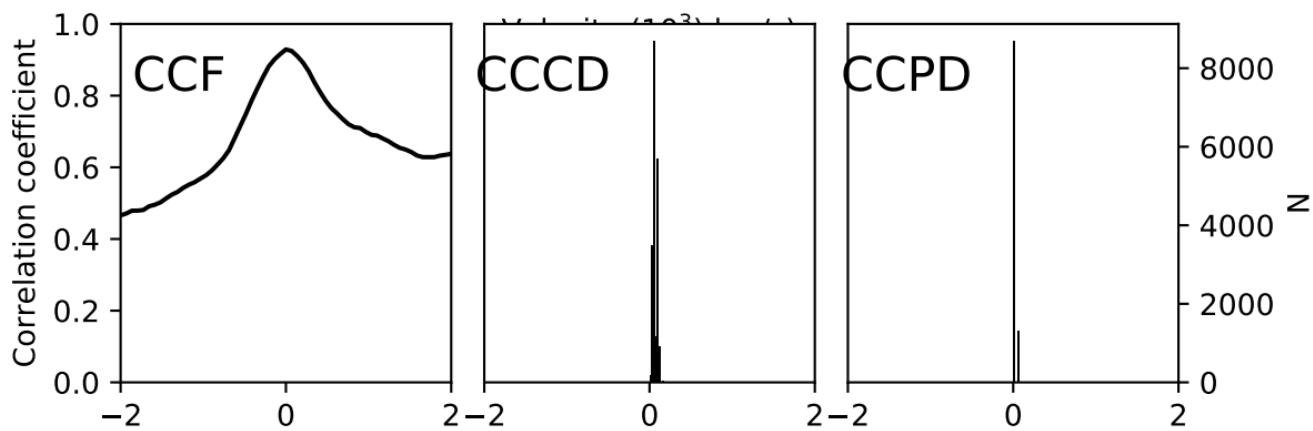
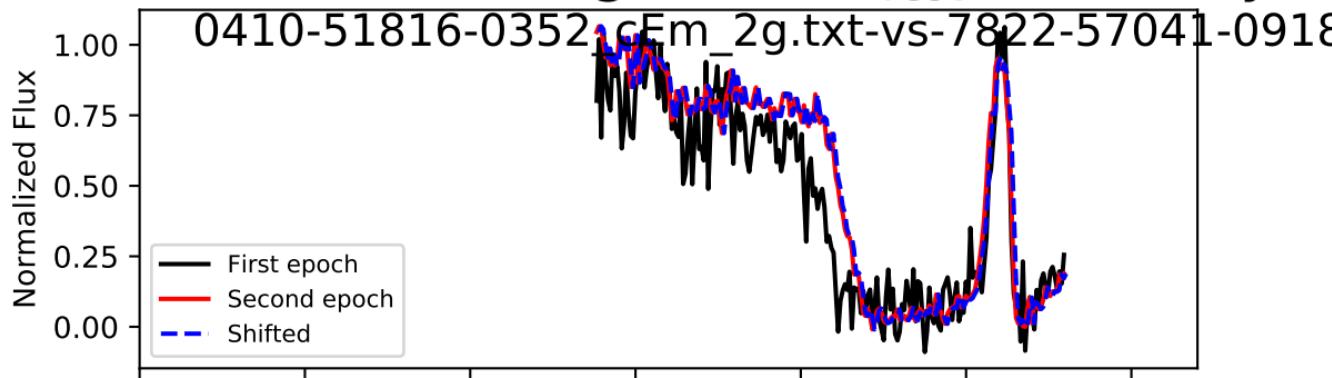


shift: 31.3 + 0.8 - 1.4 km/s, Accel: 0.077+ 0.002 - 0.004 cm

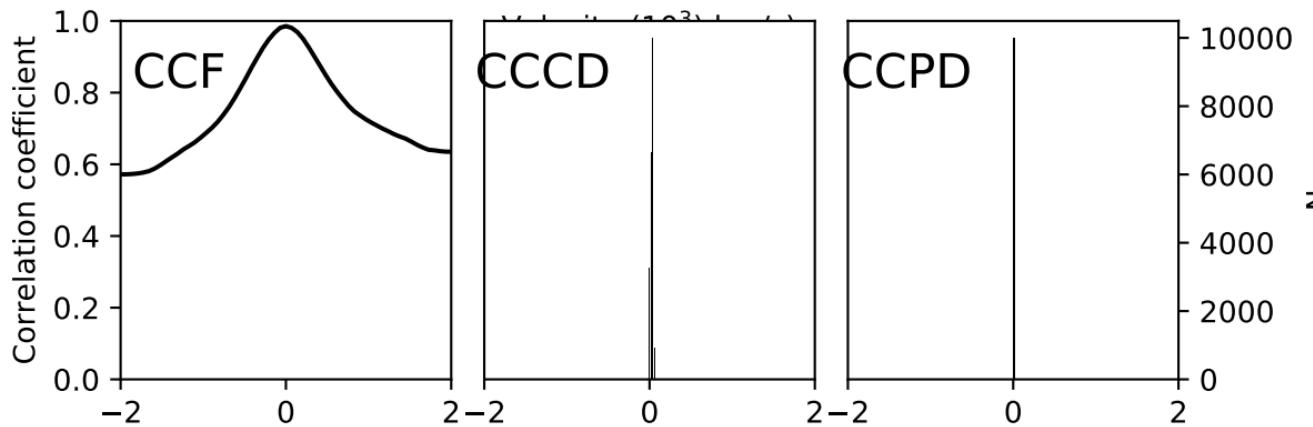
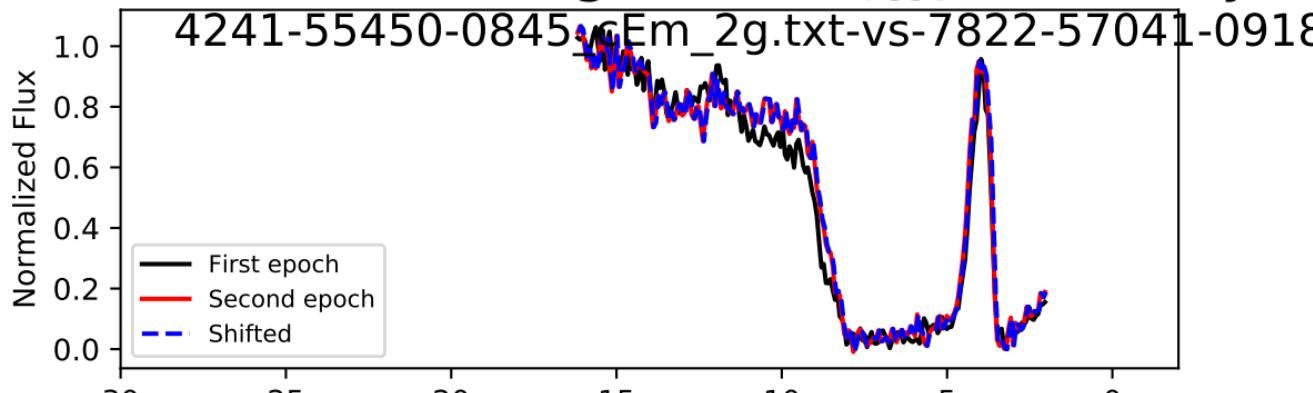
spectrum i = 40, Trough 1/1,  $\Delta t_{\text{rest}} = 2.934$  years



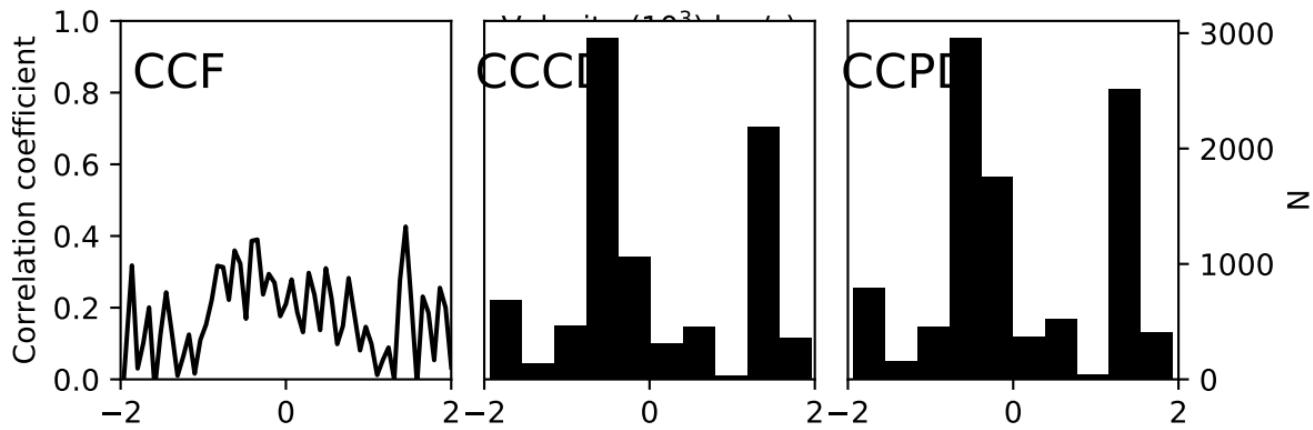
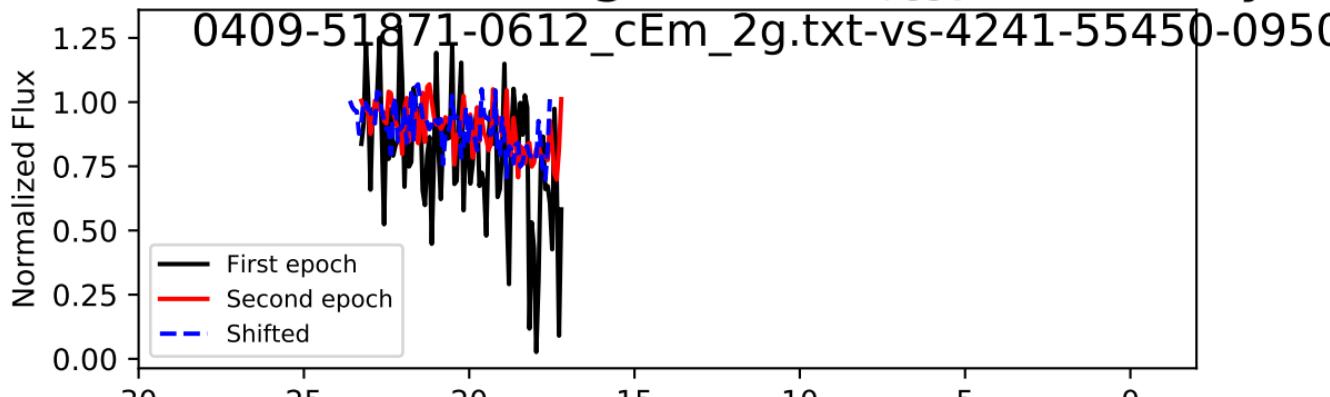
spectrum  $i = 40$ , Trough 1/1,  $\Delta t_{\text{rest}} = 4.219$  years



spectrum  $i = 40$ , Trough 1/1,  $\Delta t_{\text{rest}} = 1.285$  years

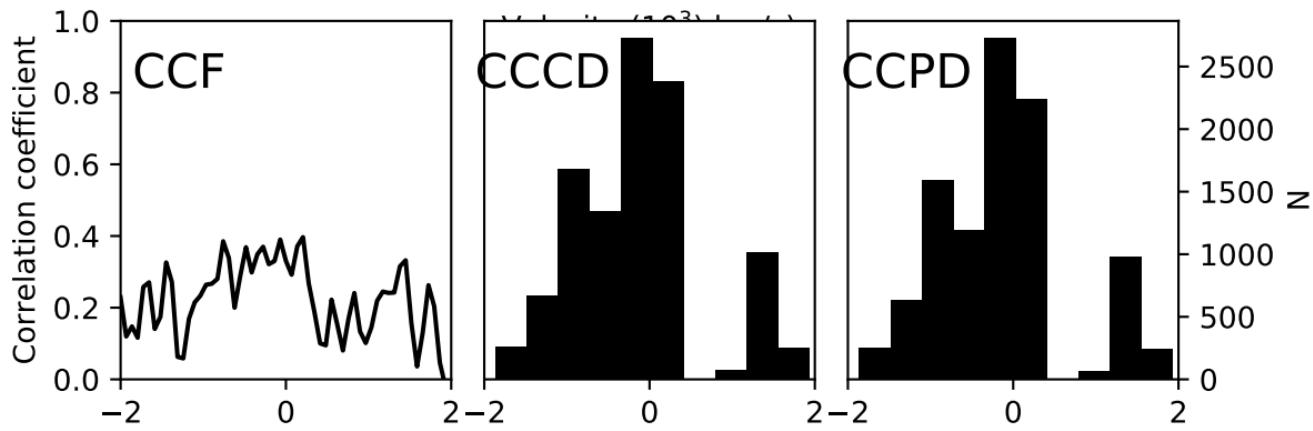
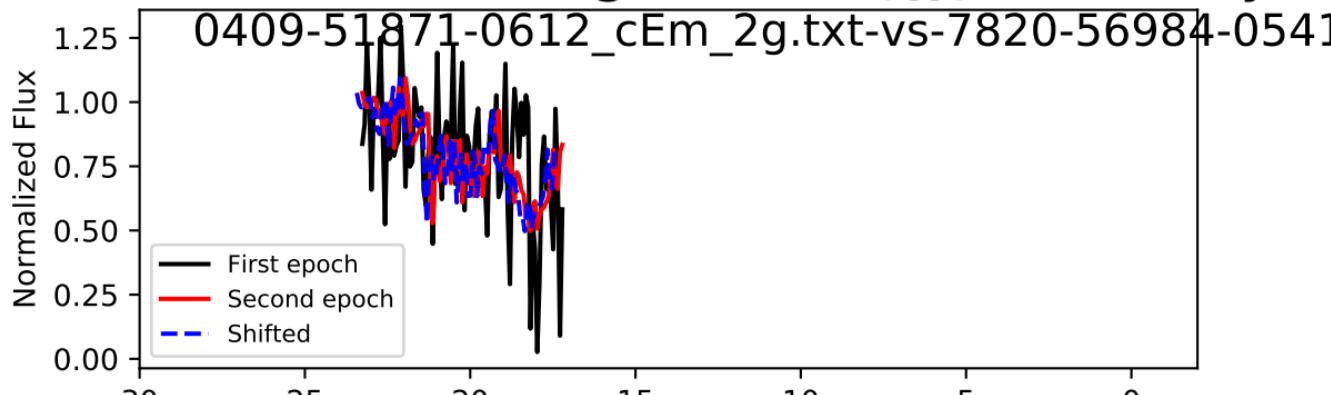


spectrum i = 41, Trough 0/1,  $\Delta t_{\text{rest}} = 3.143$  years



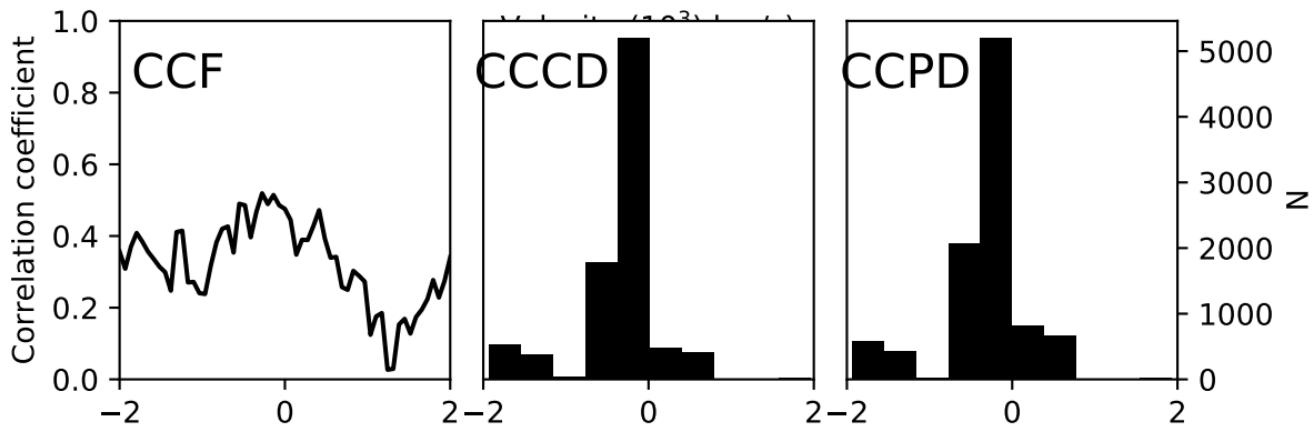
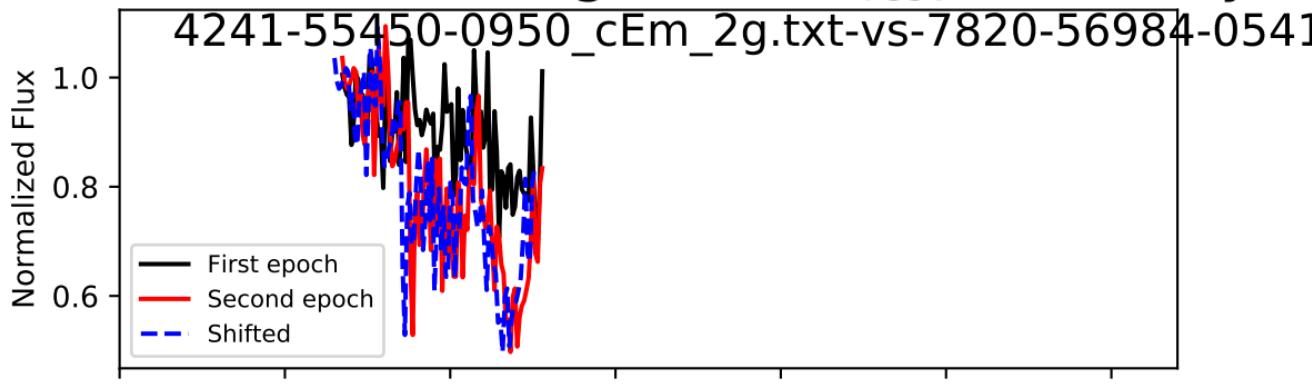
-345.0 + 1794.0 - 414.0 km/s, Accel: -0.348+ 1.810 - 0.418

spectrum i = 41, Trough 0/1,  $\Delta t_{\text{rest}} = 4.490$  years



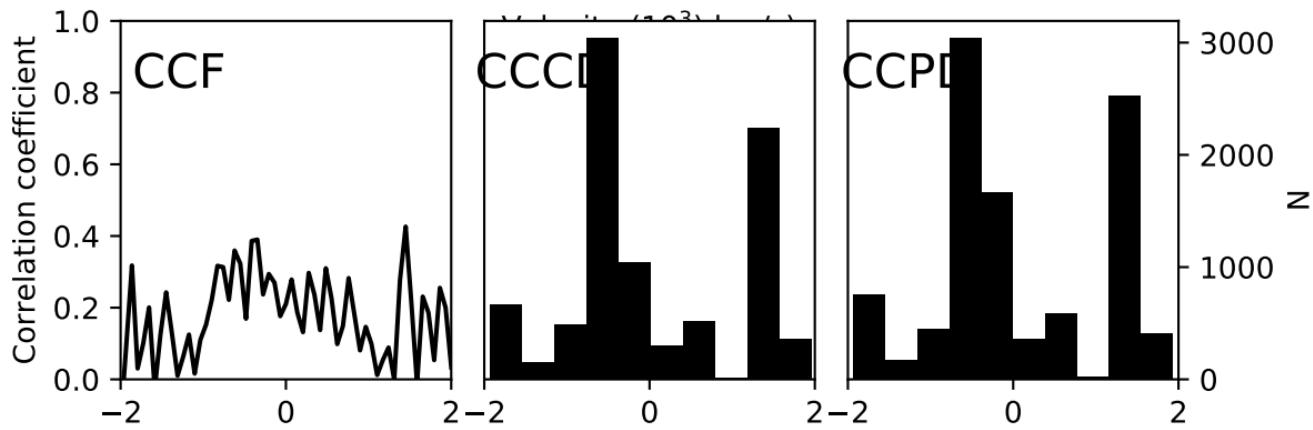
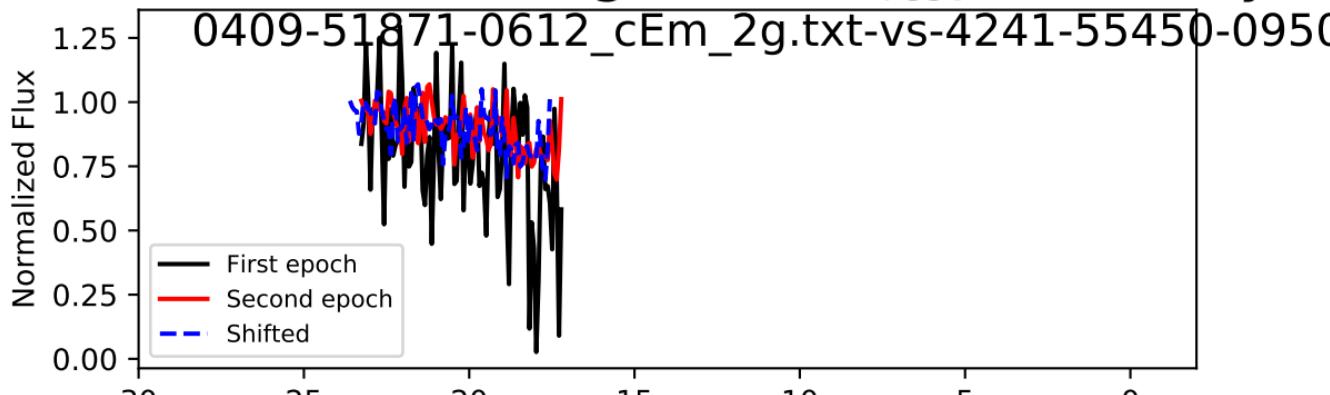
: -169.1 + 376.1 - 589.9 km/s, Accel: -0.119+ 0.266 - 0.417 c

spectrum i = 41, Trough 0/1,  $\Delta t_{\text{rest}} = 1.347$  years



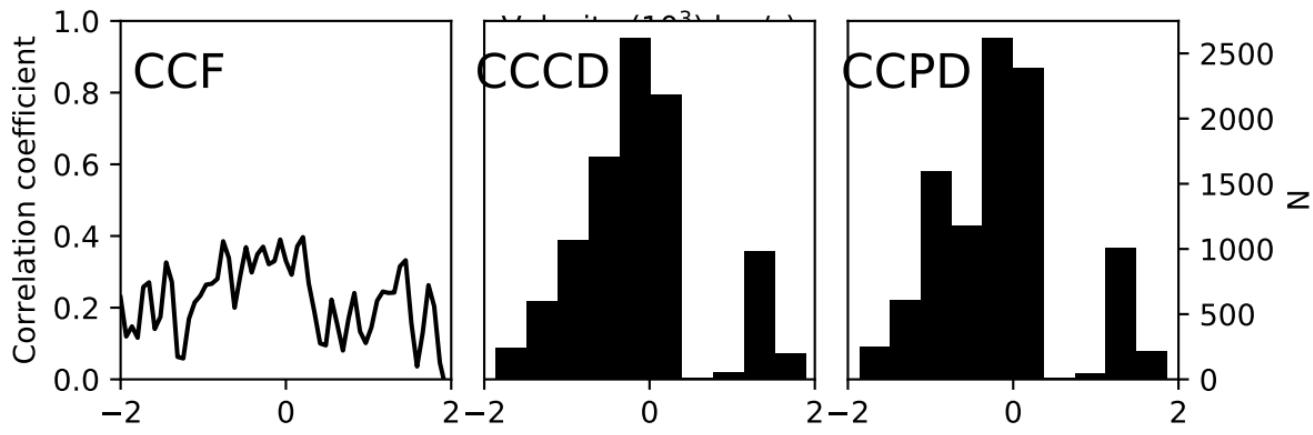
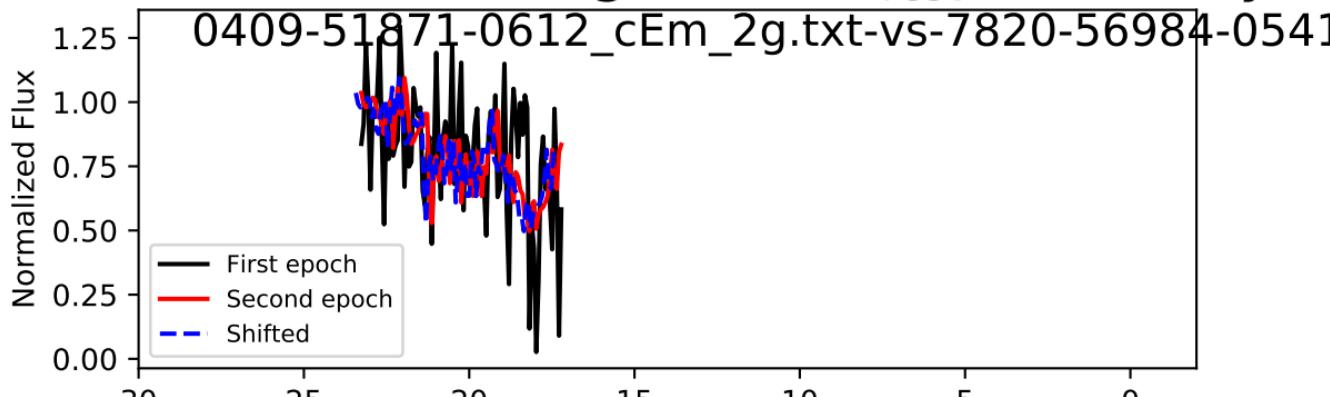
: -237.1 + 164.5 - 314.9 km/s, Accel: -0.558+ 0.387 - 0.741 c

spectrum i = 41, Trough 1/1,  $\Delta t_{\text{rest}} = 3.143$  years



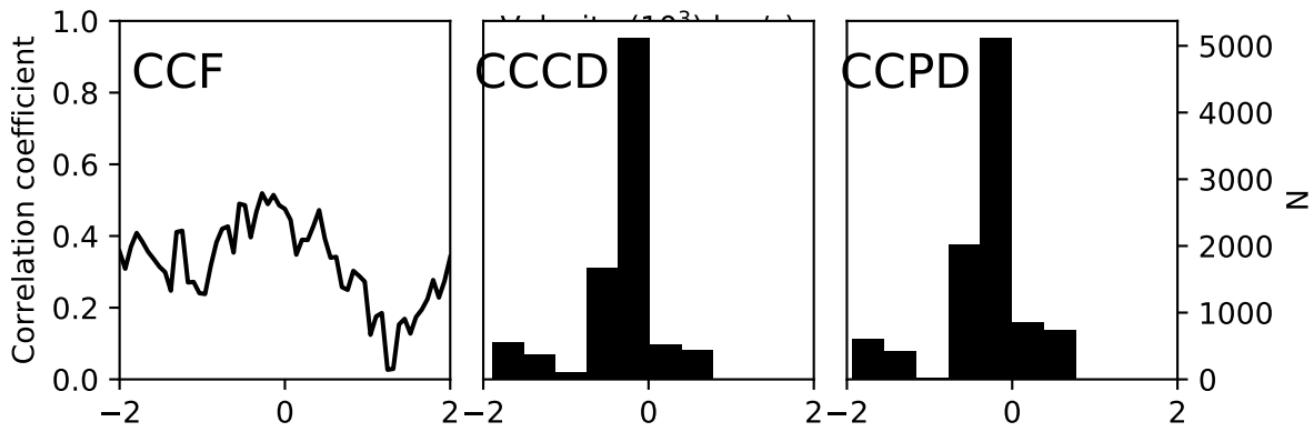
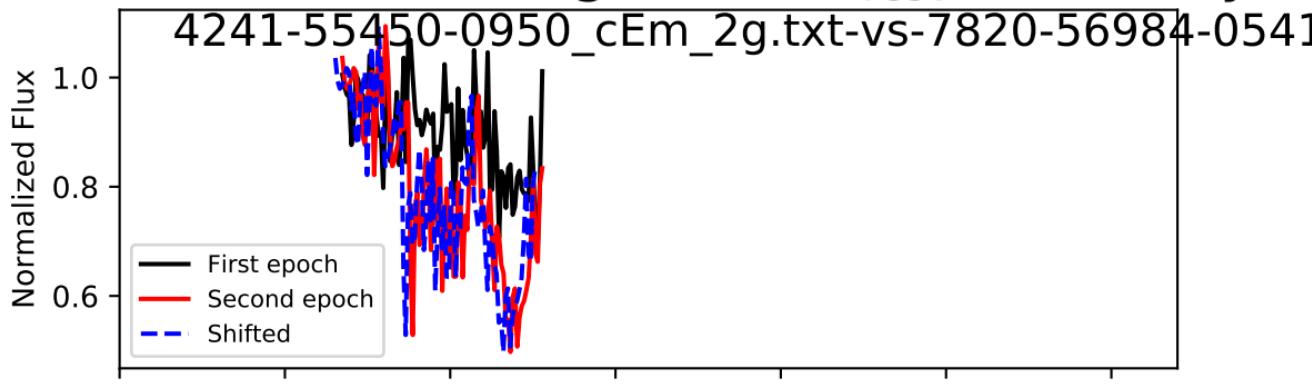
-345.0 + 1794.0 - 414.0 km/s, Accel: -0.348+ 1.810 - 0.418

spectrum i = 41, Trough 1/1,  $\Delta t_{\text{rest}} = 4.490$  years



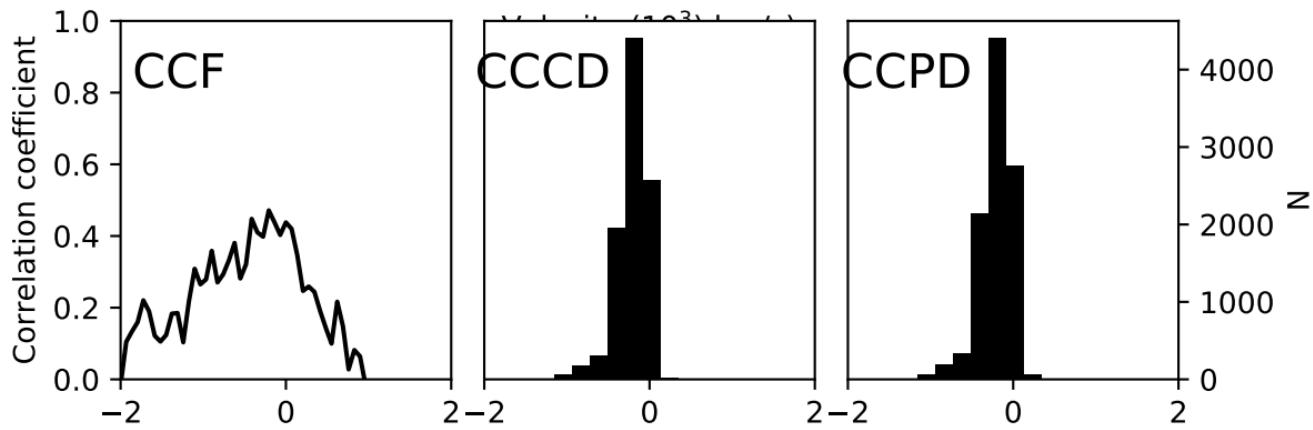
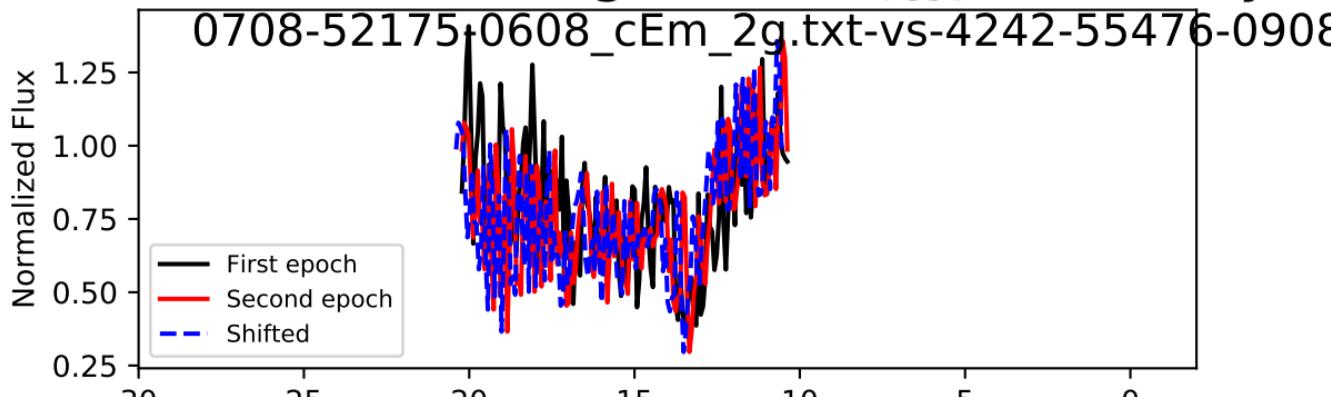
: -167.4 + 374.4 - 591.6 km/s, Accel: -0.118+ 0.264 - 0.418 c

spectrum i = 41, Trough 1/1,  $\Delta t_{\text{rest}} = 1.347$  years



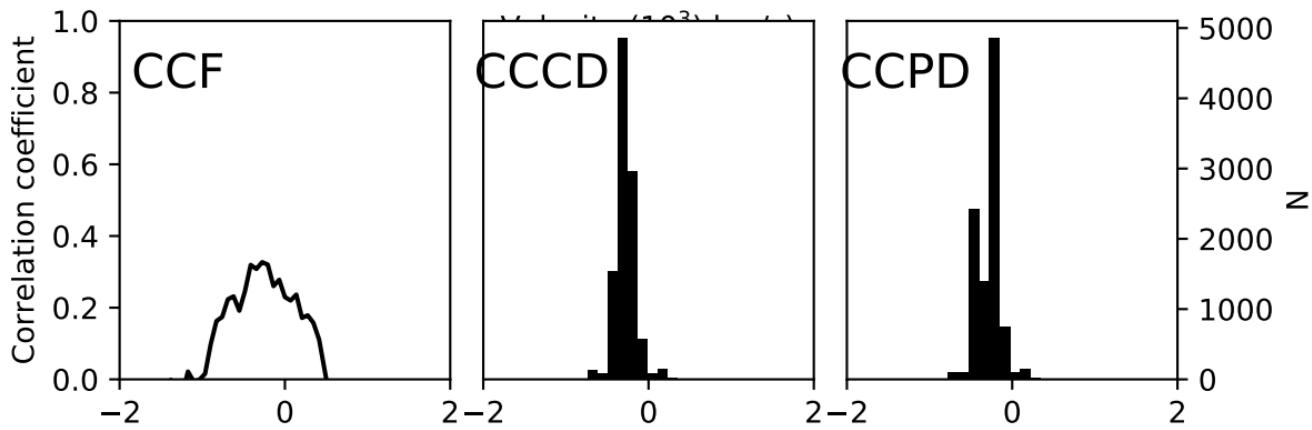
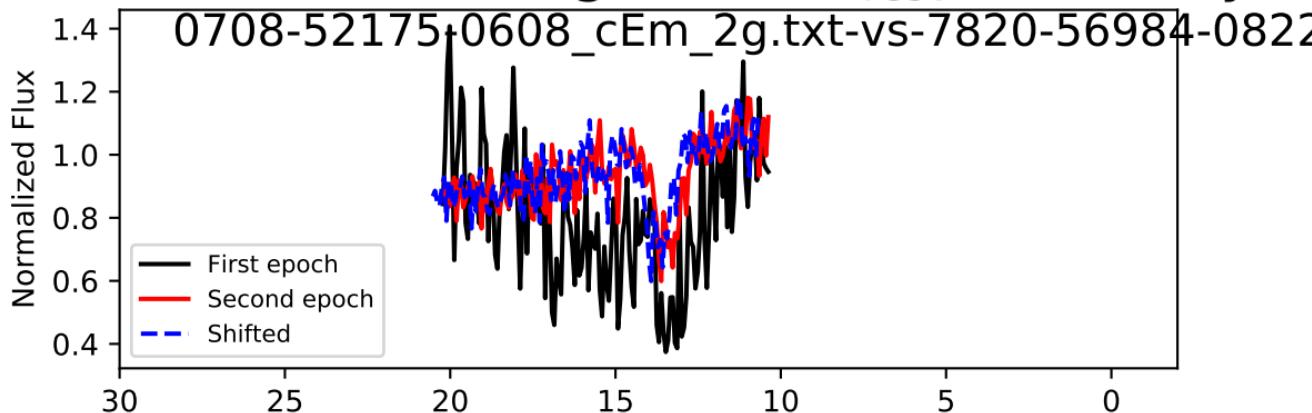
: -212.9 + 143.9 - 338.0 km/s, Accel: -0.501+ 0.339 - 0.796 c

spectrum i = 44, Trough 0/1,  $\Delta t_{\text{rest}} = 2.807$  years



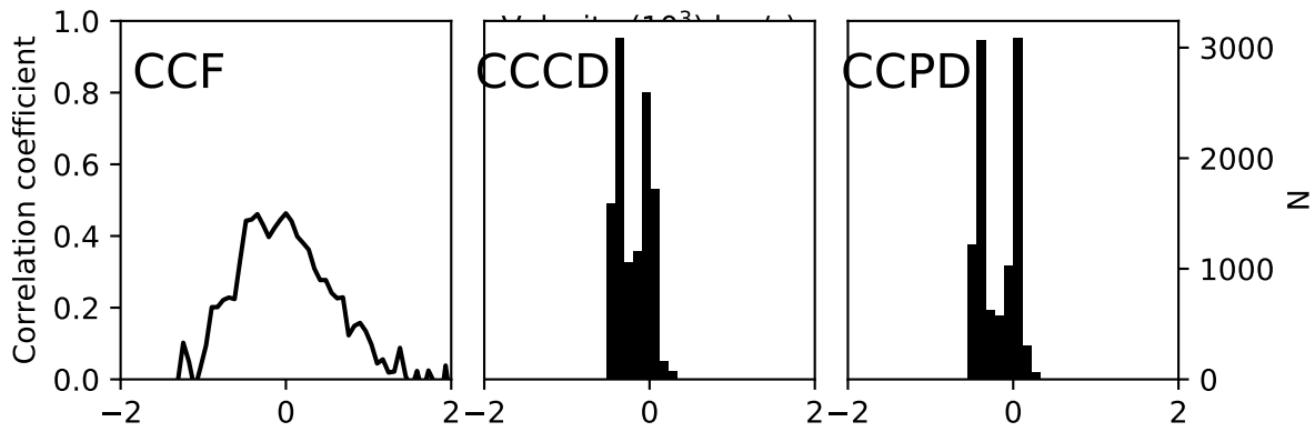
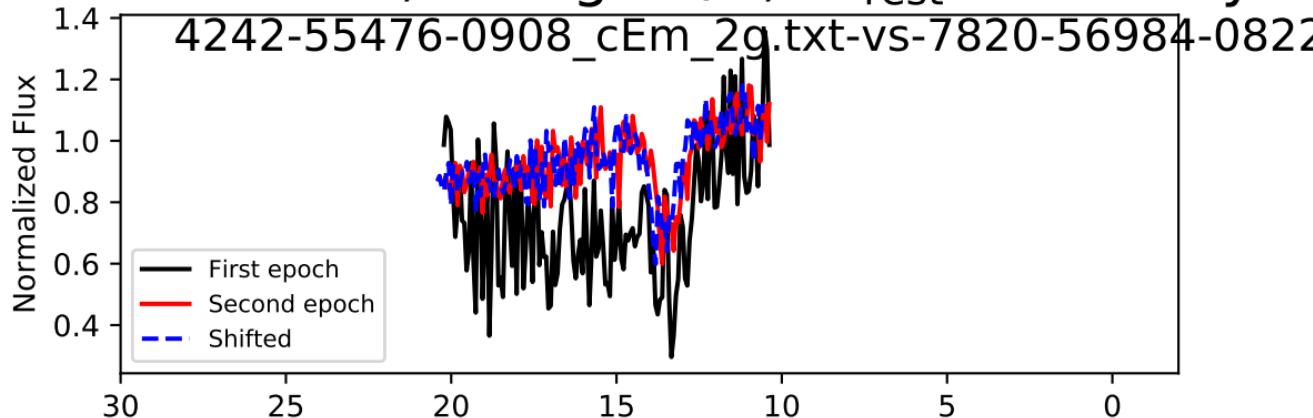
: -175.4 + 173.7 - 207.7 km/s, Accel: -0.198+ 0.196 - 0.235 c

spectrum  $i = 44$ , Trough 0/1,  $\Delta t_{\text{rest}} = 4.090$  years



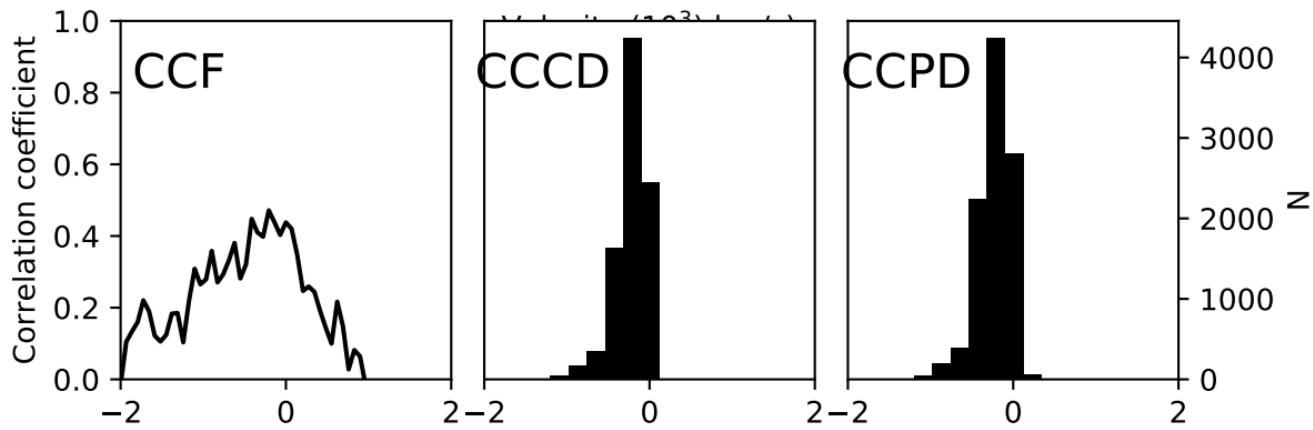
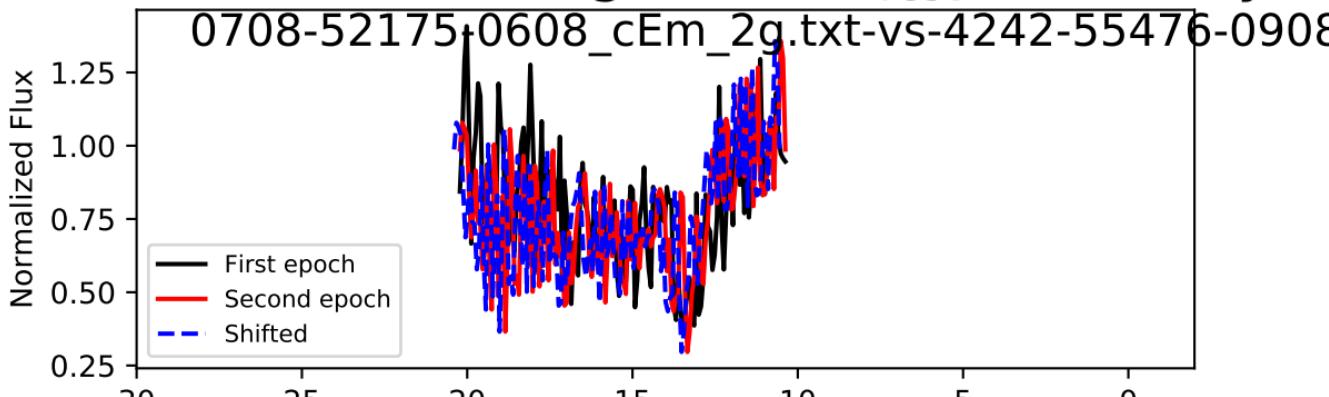
t:  $-305.1 + 98.1 - 76.4$  km/s, Accel:  $-0.237 + 0.076 - 0.059$  cm/s<sup>2</sup>

spectrum i = 44, Trough 0/1,  $\Delta t_{\text{rest}} = 1.282$  years



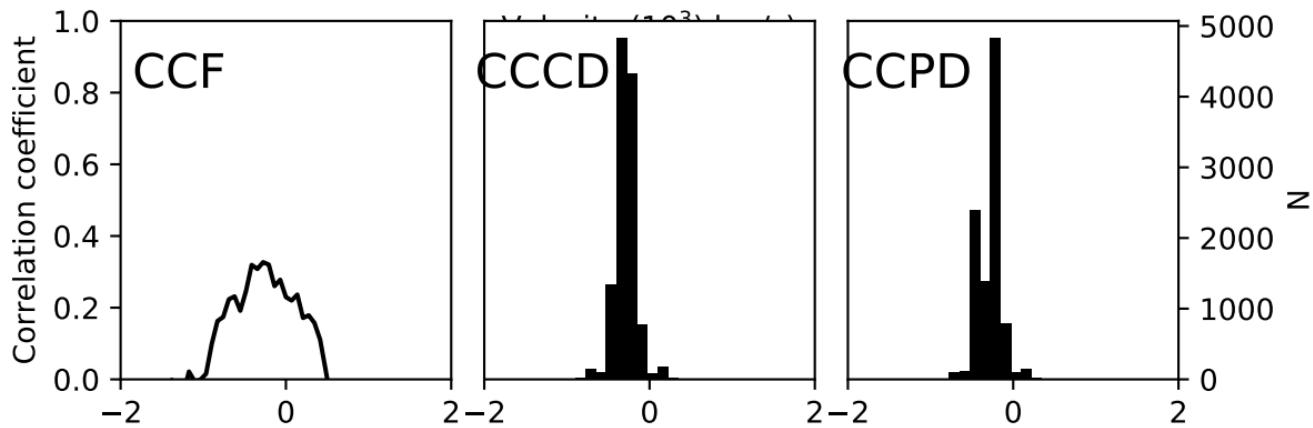
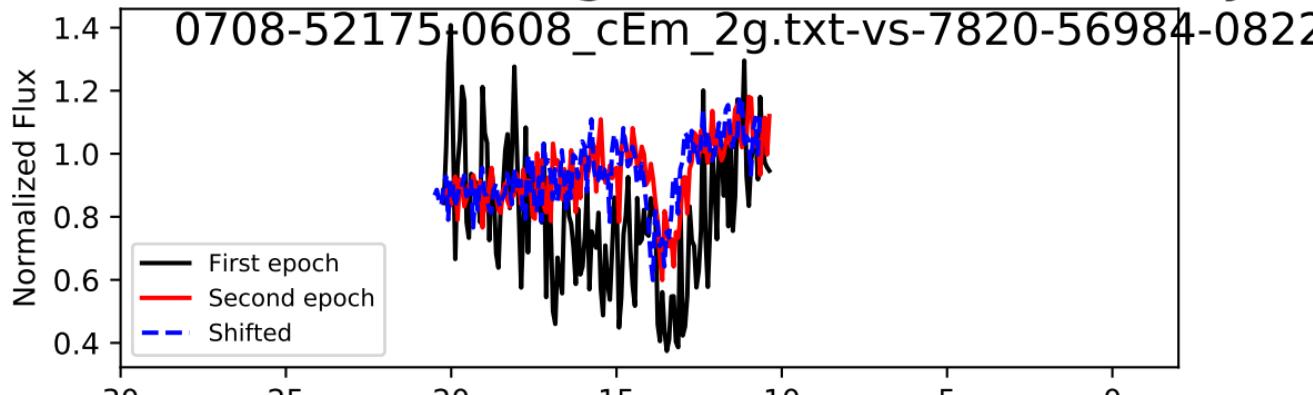
: -199.4 + 230.4 - 185.9 km/s, Accel: -0.493+ 0.570 - 0.460

spectrum  $i = 44$ , Trough 1/1,  $\Delta t_{\text{rest}} = 2.807$  years



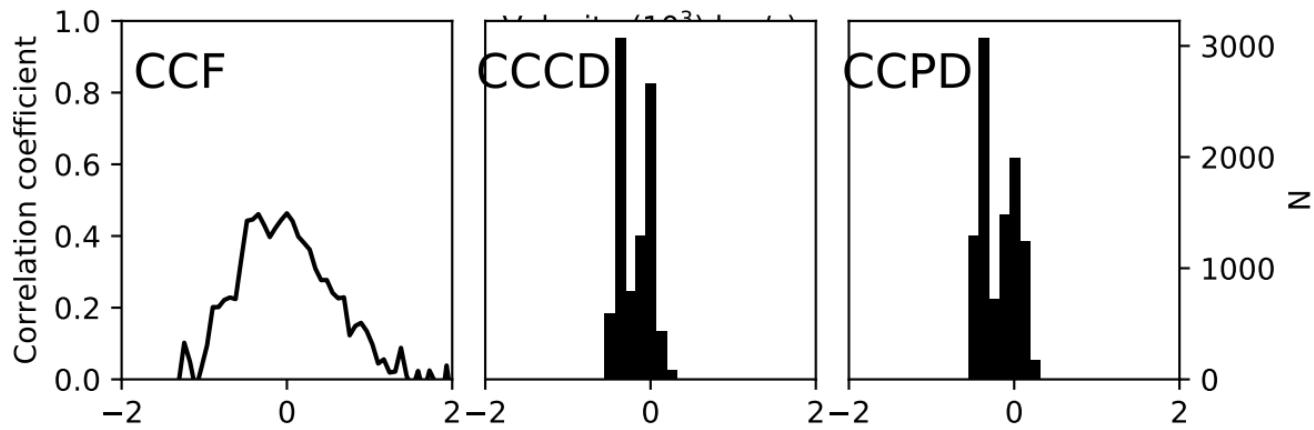
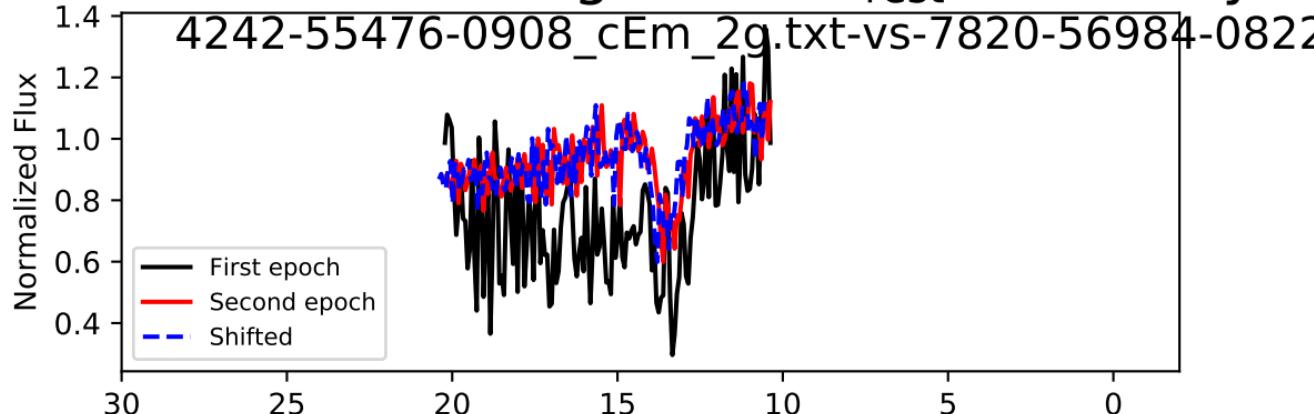
: -175.3 + 173.6 - 237.2 km/s, Accel: -0.198+ 0.196 - 0.268 c

pectrum i = 44, Trough 1/1,  $\Delta t_{\text{rest}} = 4.090$  years



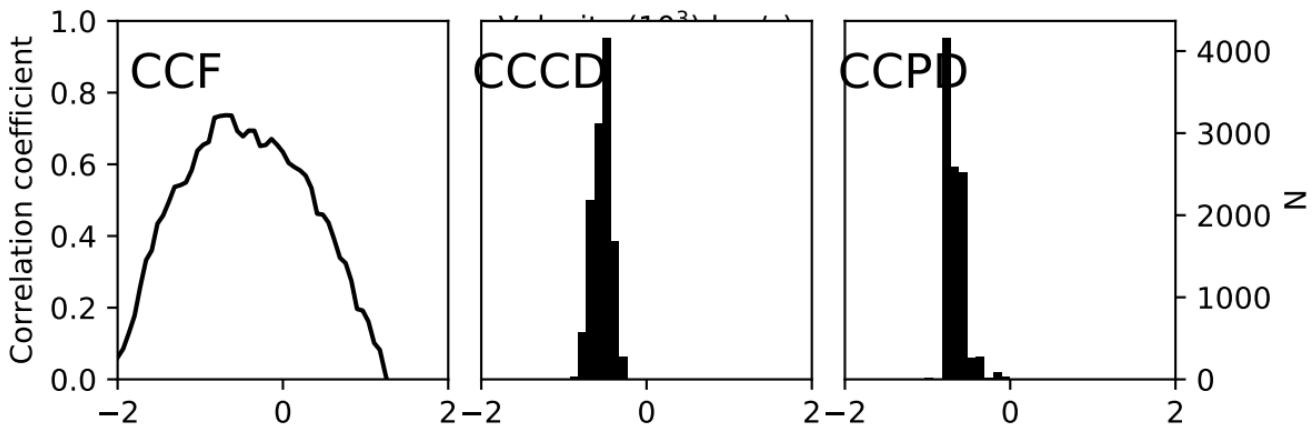
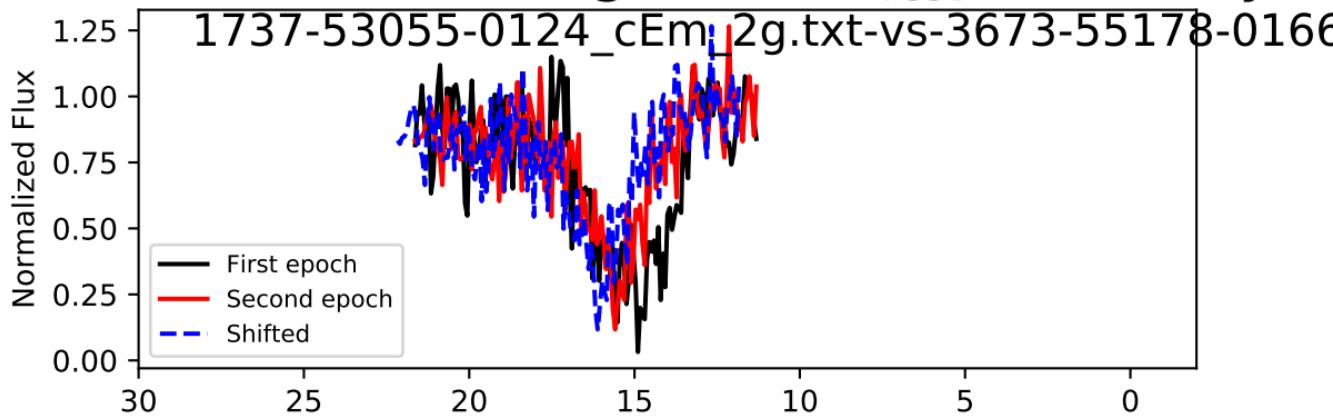
t: -282.2 + 75.2 - 99.2 km/s, Accel: -0.219+ 0.058 - 0.077 cm

pectrum i = 44, Trough 1/1,  $\Delta t_{rest} = 1.282$  years



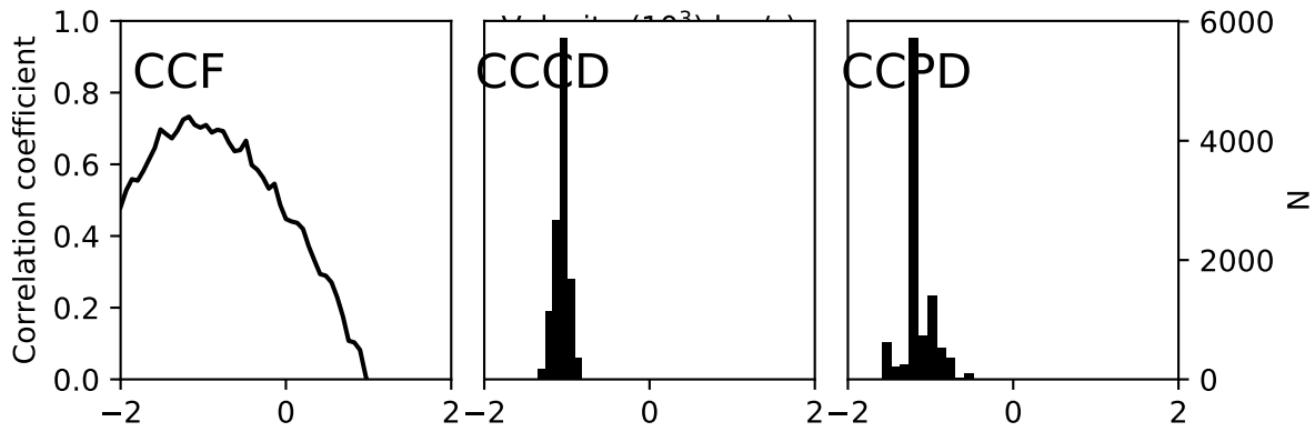
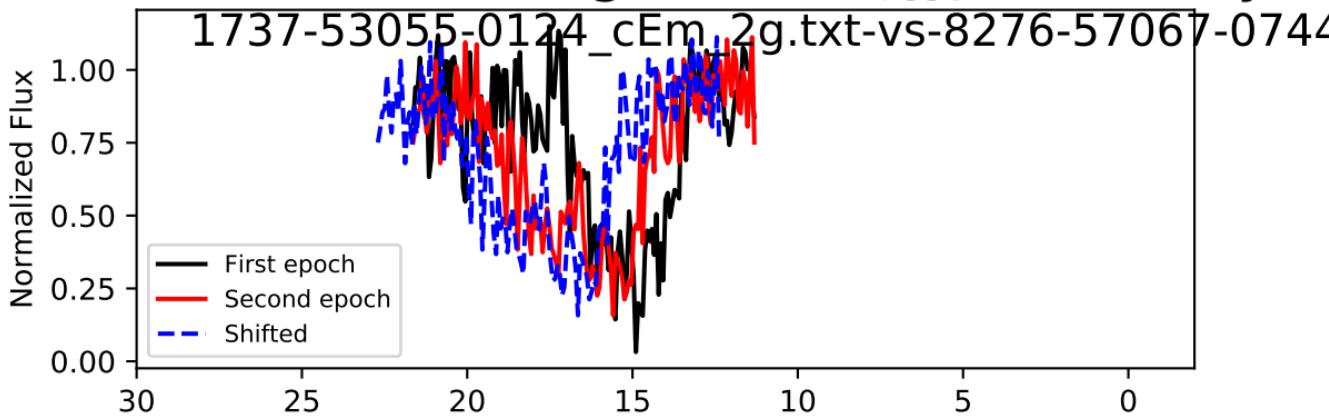
:: -178.6 + 209.3 - 207.7 km/s, Accel: -0.442+ 0.517 - 0.514 cm/s<sup>2</sup>

spectrum  $i = 45$ , Trough 0/0,  $\Delta t_{\text{rest}} = 2.112$  years



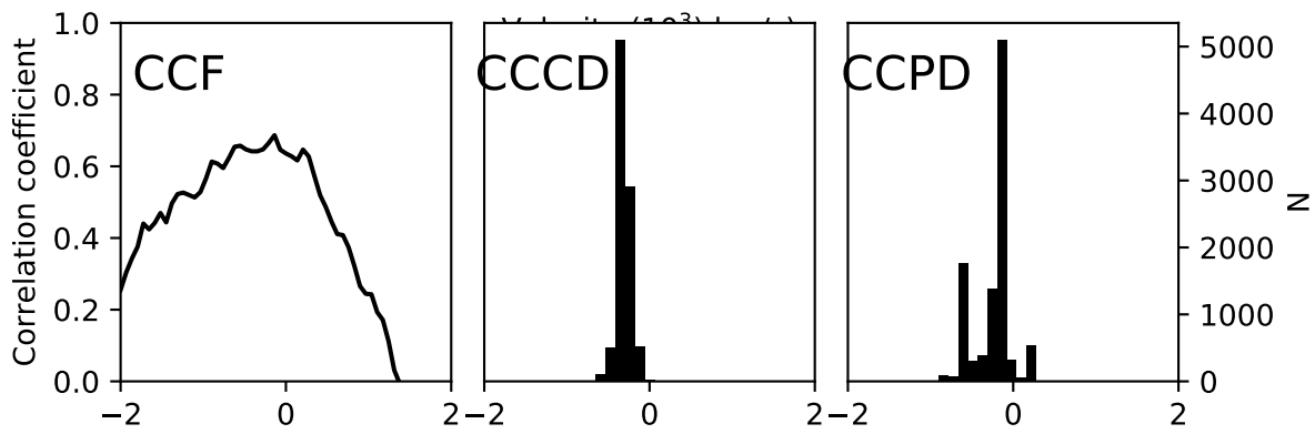
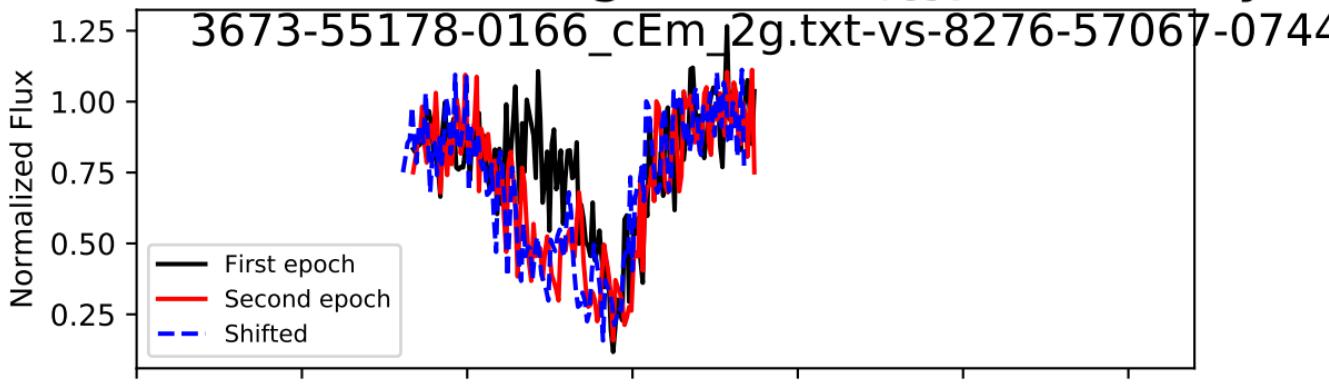
: -528.0 + 100.7 - 157.4 km/s, Accel: -0.793+ 0.151 - 0.236

spectrum  $i = 45$ , Trough 0/0,  $\Delta t_{\text{rest}} = 3.991$  years



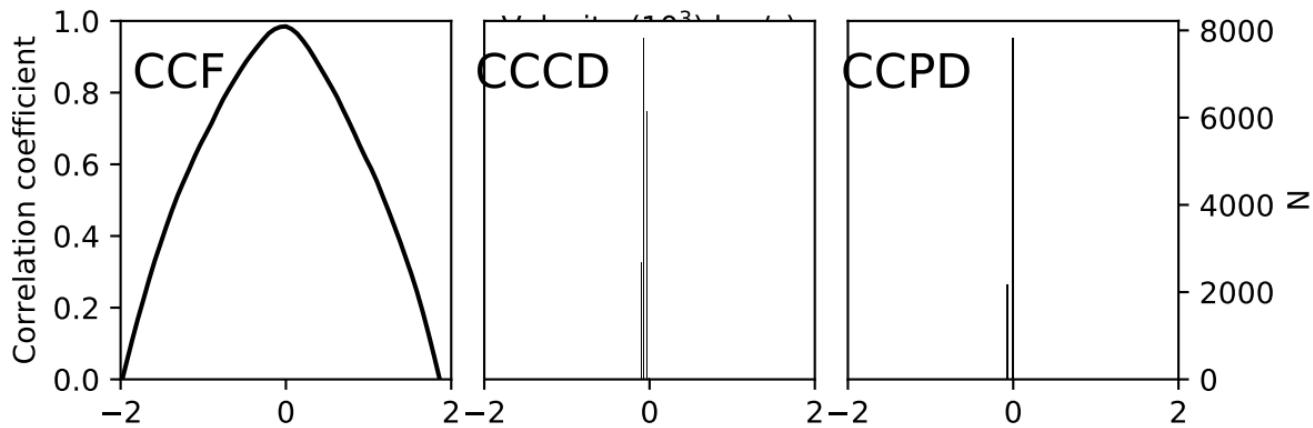
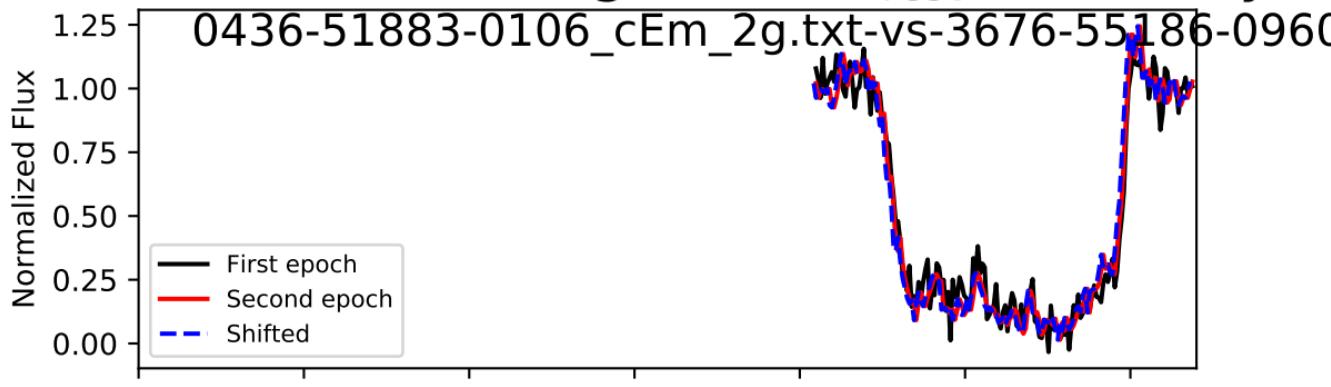
: -1064.6 + 88.8 - 80.1 km/s, Accel: -0.846+ 0.071 - 0.064 c

spectrum  $i = 45$ , Trough 0/0,  $\Delta t_{\text{rest}} = 1.879$  years



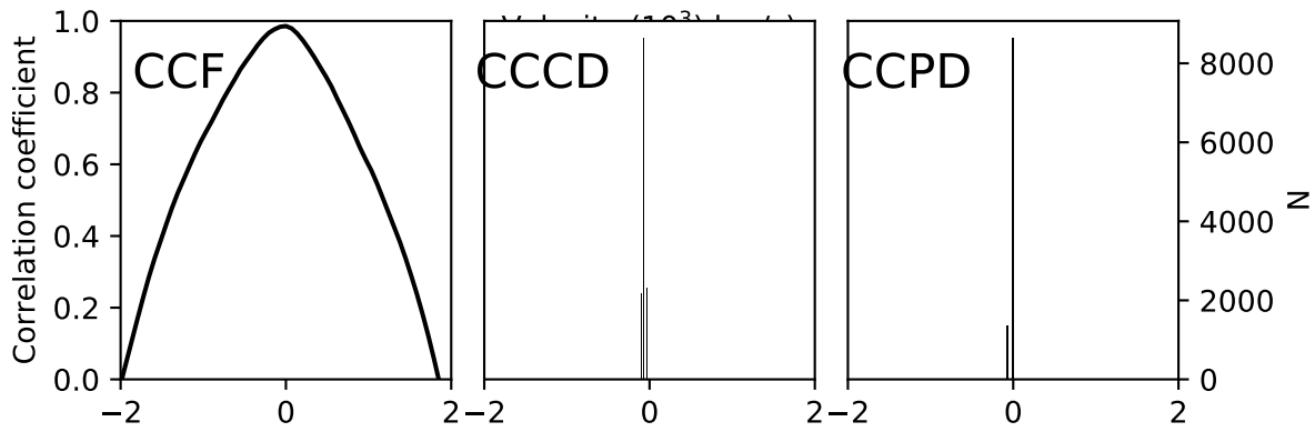
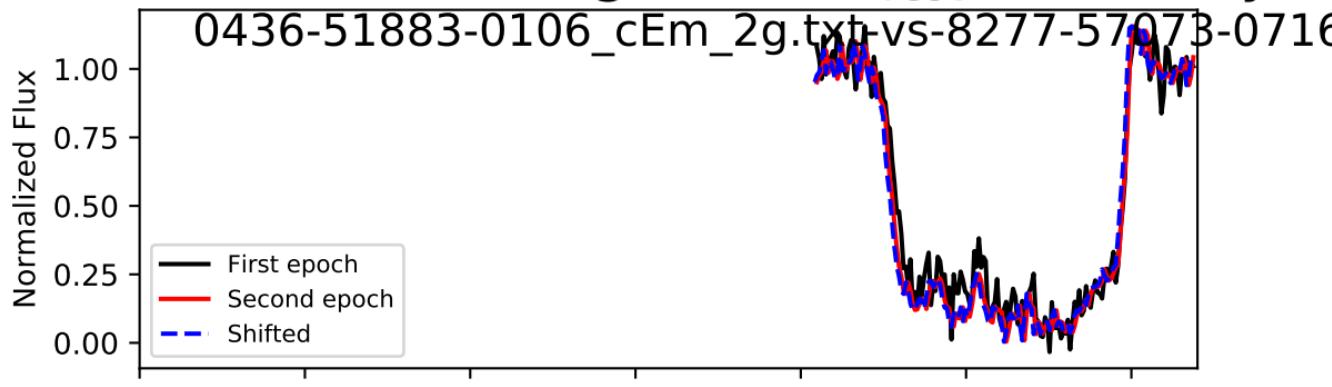
t: -307.1 + 65.1 - 41.9 km/s, Accel: -0.518+ 0.110 - 0.071 cm/s<sup>2</sup>

spectrum i = 46, Trough 0/0,  $\Delta t_{\text{rest}} = 2.571$  years

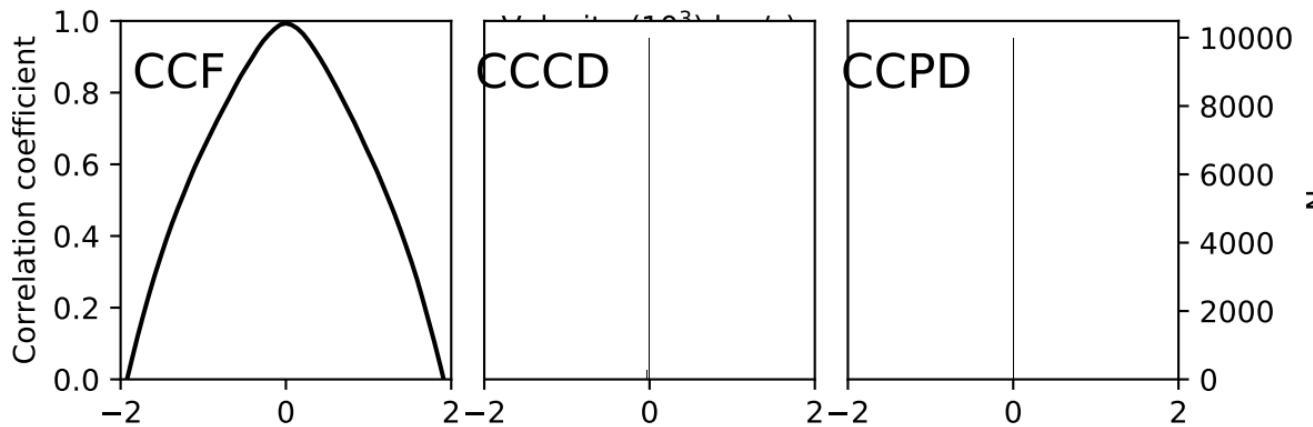
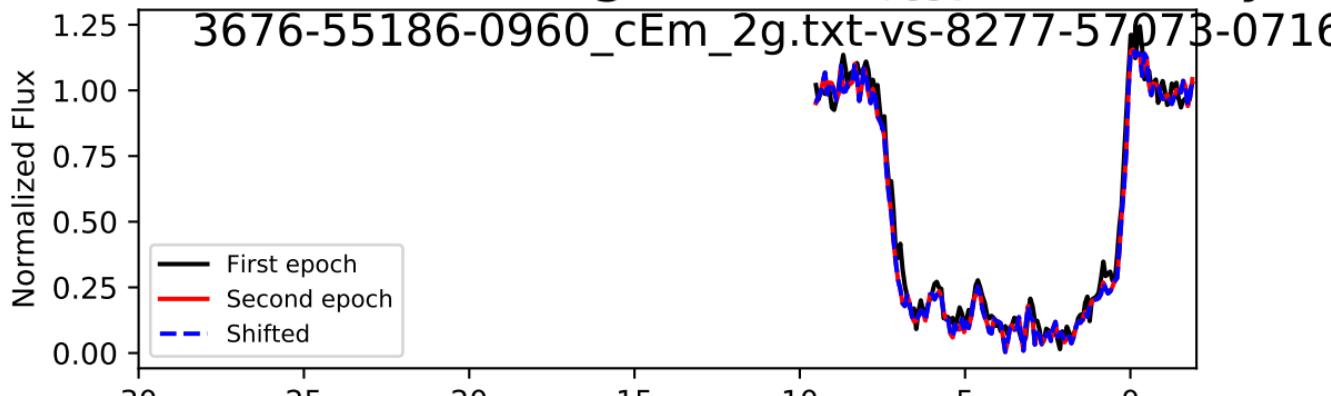


ft: -66.9 + 31.2 - 30.5 km/s, Accel: -0.082+ 0.038 - 0.038 cm

spectrum  $i = 46$ , Trough 0/0,  $\Delta t_{\text{rest}} = 4.041$  years

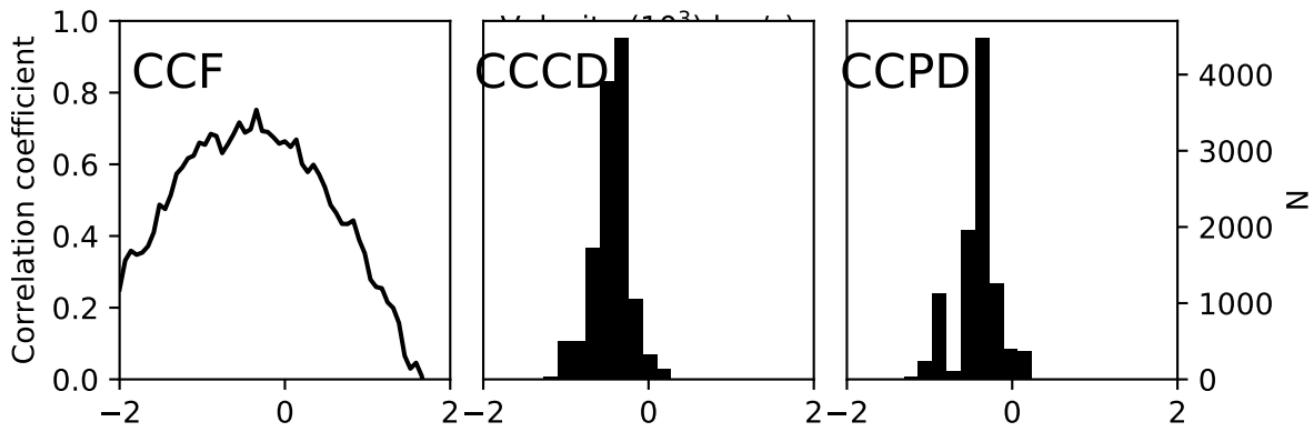
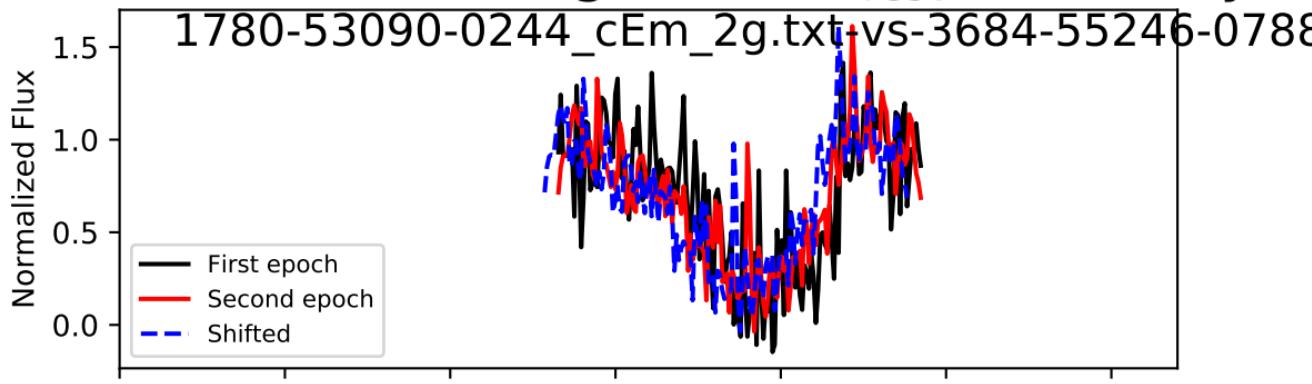


spectrum i = 46, Trough 0/0,  $\Delta t_{\text{rest}} = 1.469$  years



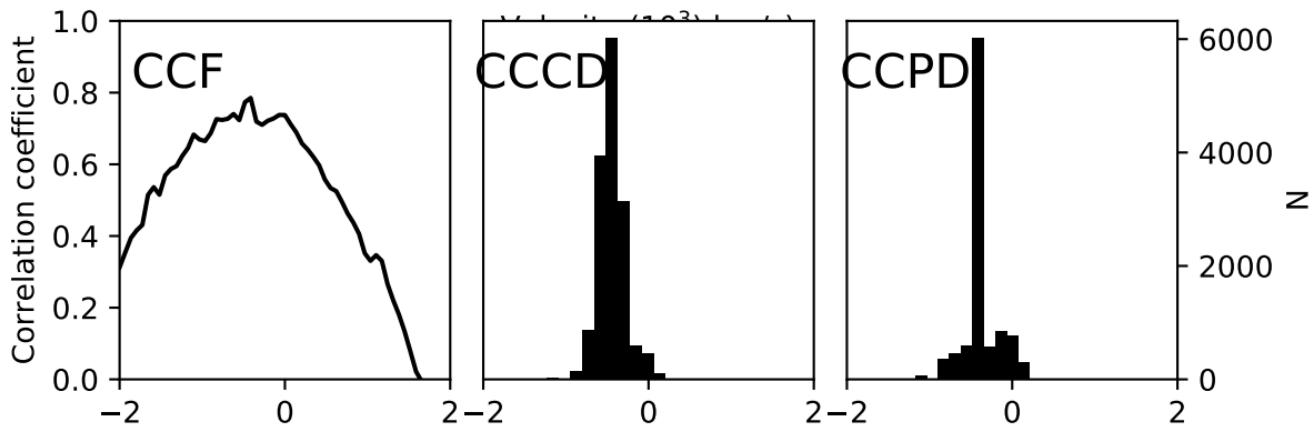
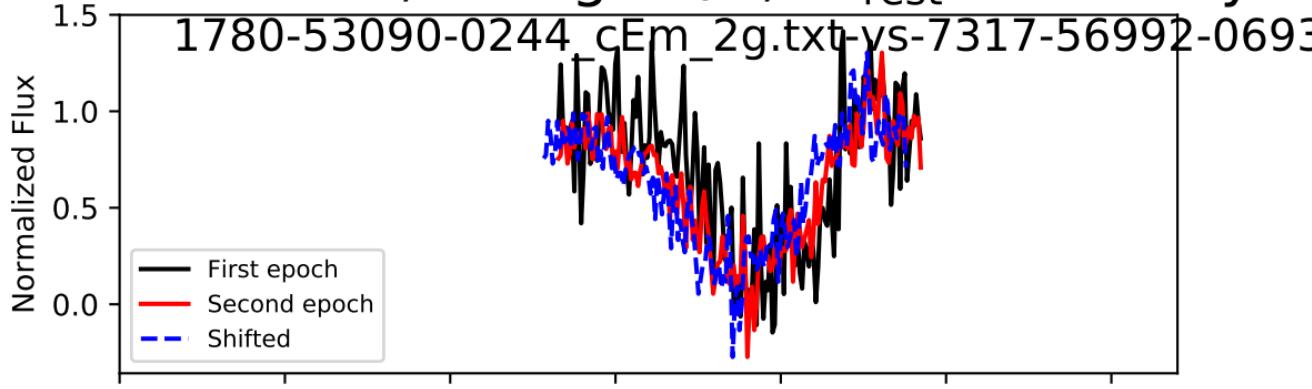
shift: -0.3 + 1.1 - 1.1 km/s, Accel: -0.001+ 0.002 - 0.002 cm

spectrum i = 47, Trough 0/0,  $\Delta t_{\text{rest}} = 1.497$  years



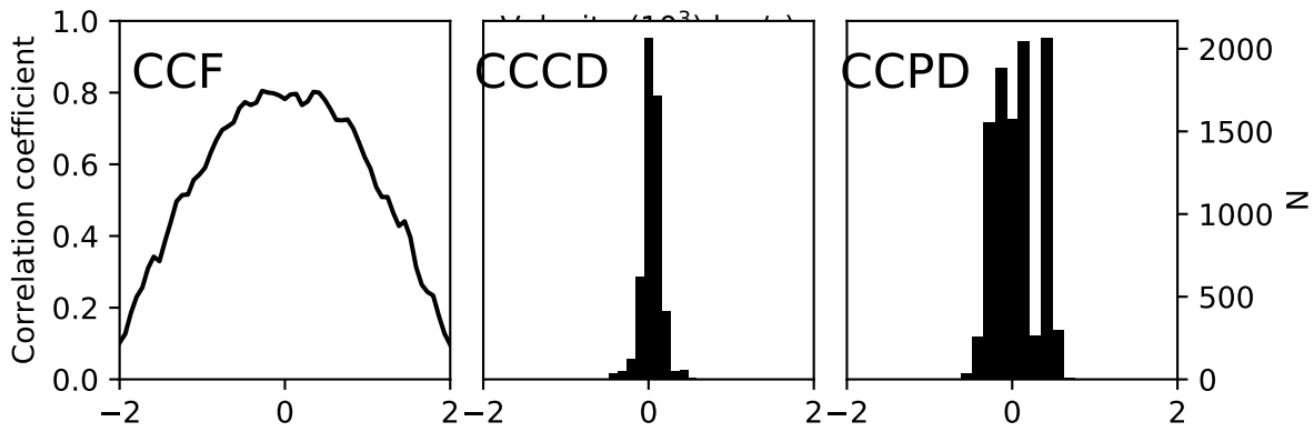
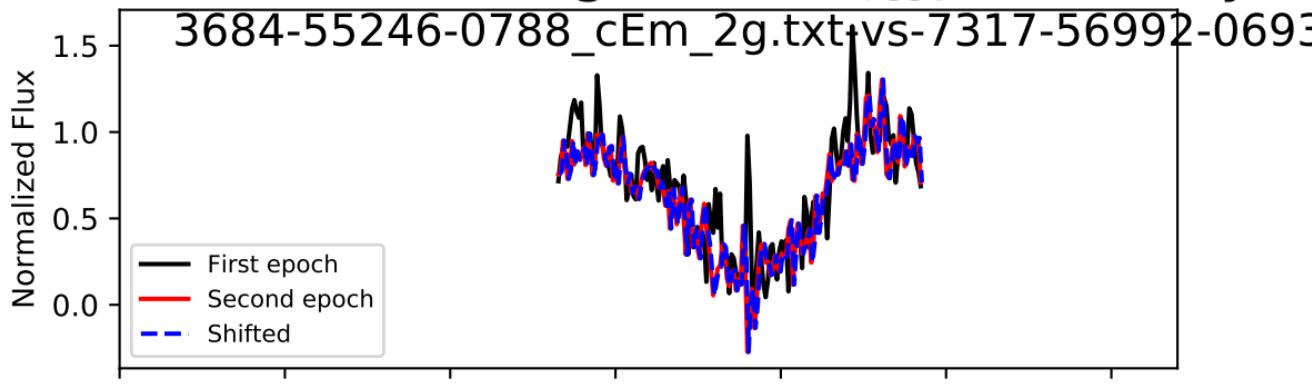
: -417.7 + 166.7 - 230.5 km/s, Accel: -0.885+ 0.353 - 0.488

spectrum i = 47, Trough 0/0,  $\Delta t_{\text{rest}} = 2.710$  years



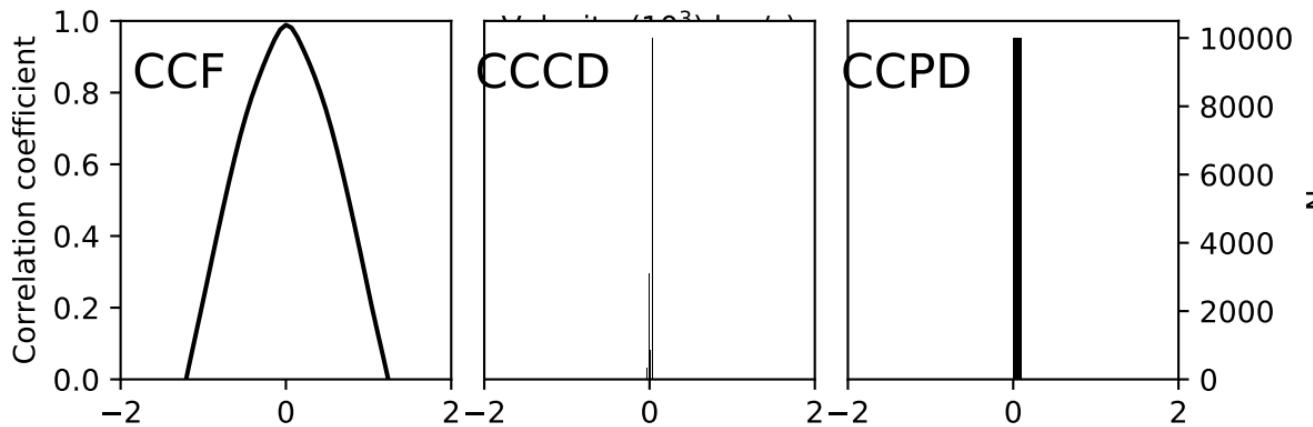
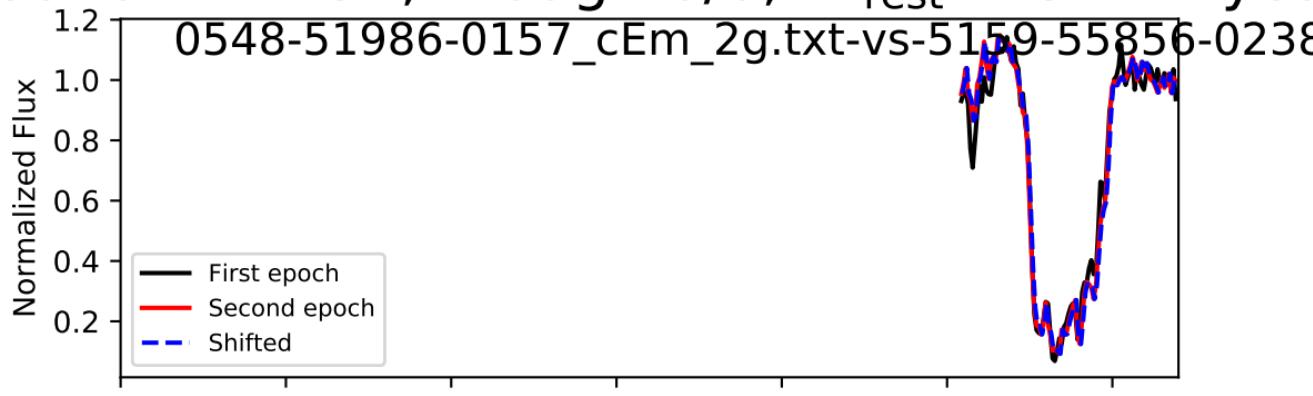
: -447.1 + 138.3 - 142.0 km/s, Accel: -0.523+ 0.162 - 0.166

spectrum i = 47, Trough 0/0,  $\Delta t_{\text{rest}} = 1.212$  years



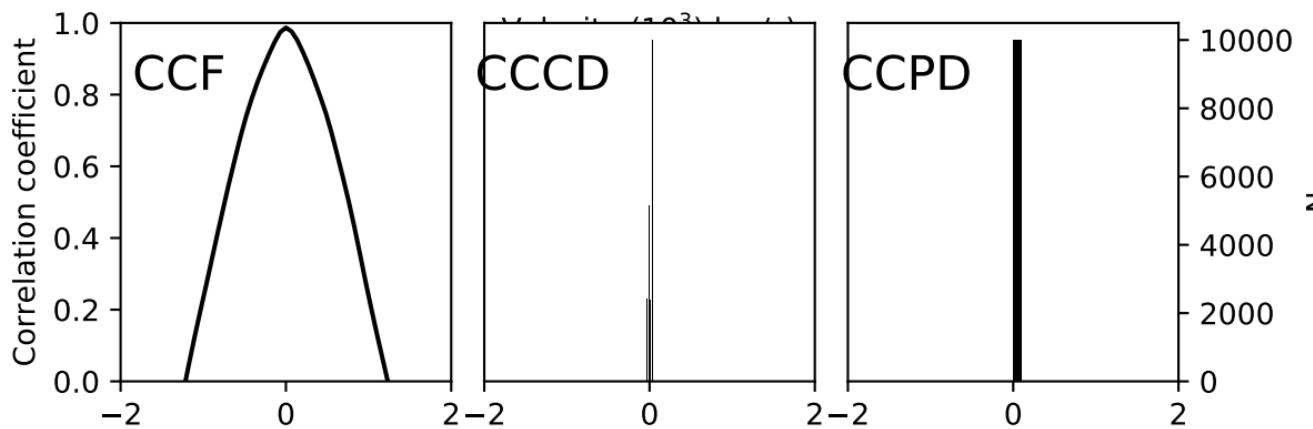
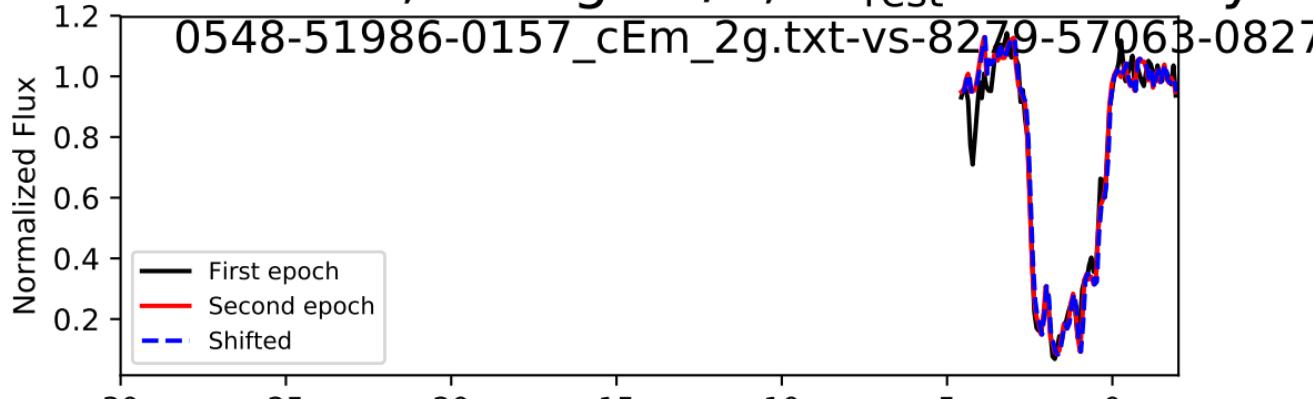
Shift:  $35.6 + 99.0 - 95.6$  km/s, Accel:  $0.093 + 0.259 - 0.250$  cm/s<sup>2</sup>

pectrum i = 51, Trough 0/0,  $\Delta t_{rest} = 3.444$  years

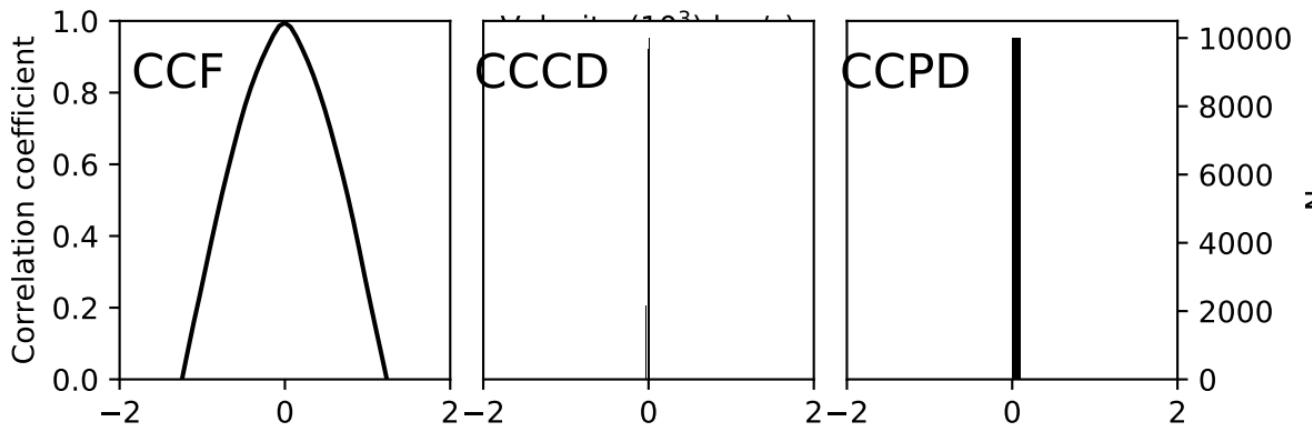
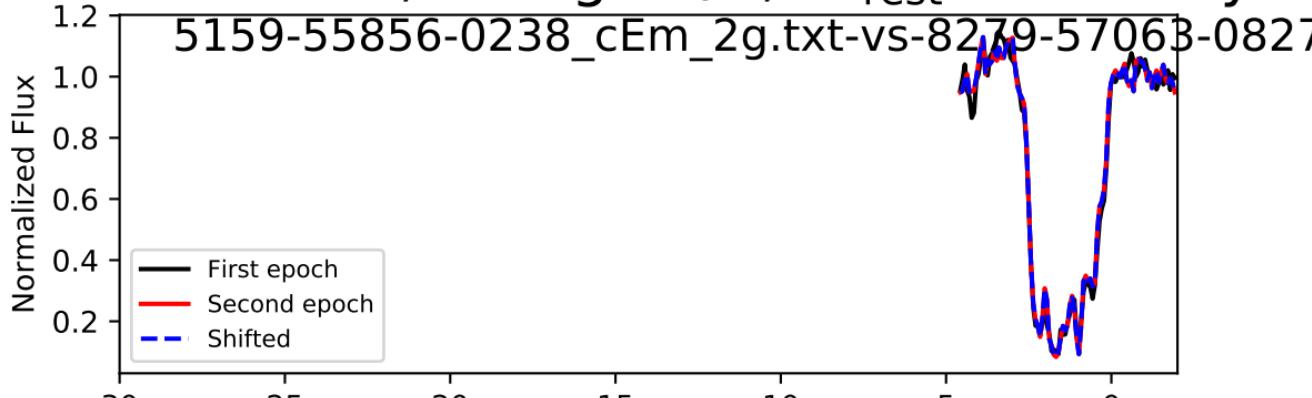


ift: 31.4 + 0.9 - 30.8 km/s, Accel: 0.029+ 0.001 - 0.028 cm

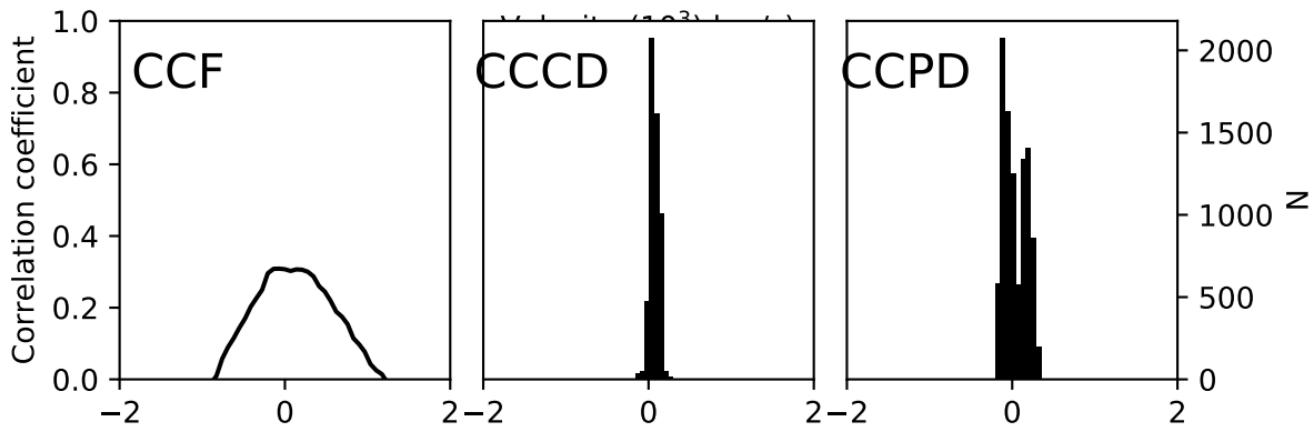
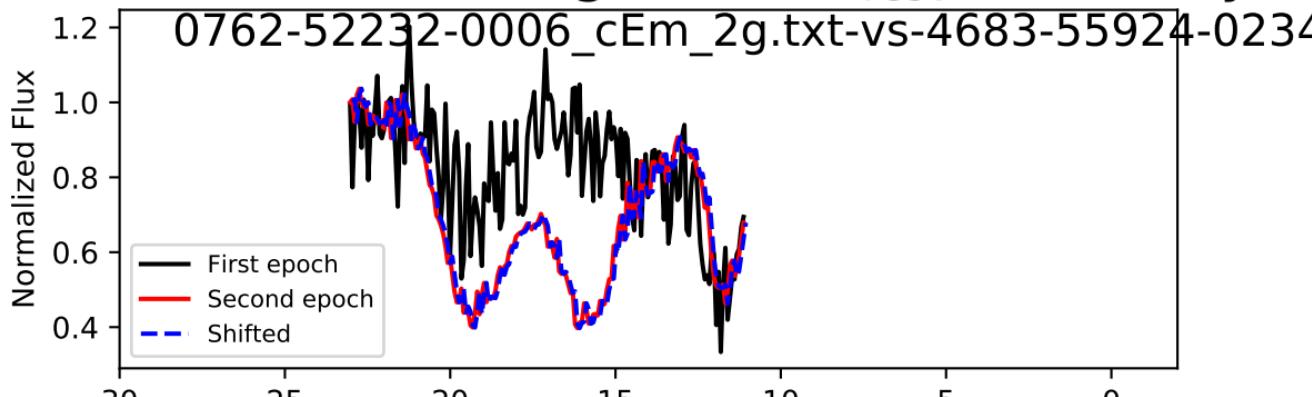
spectrum i = 51, Trough 0/0,  $\Delta t_{\text{rest}} = 4.518$  years



spectrum i = 51, Trough 0/0,  $\Delta t_{\text{rest}} = 1.074$  years

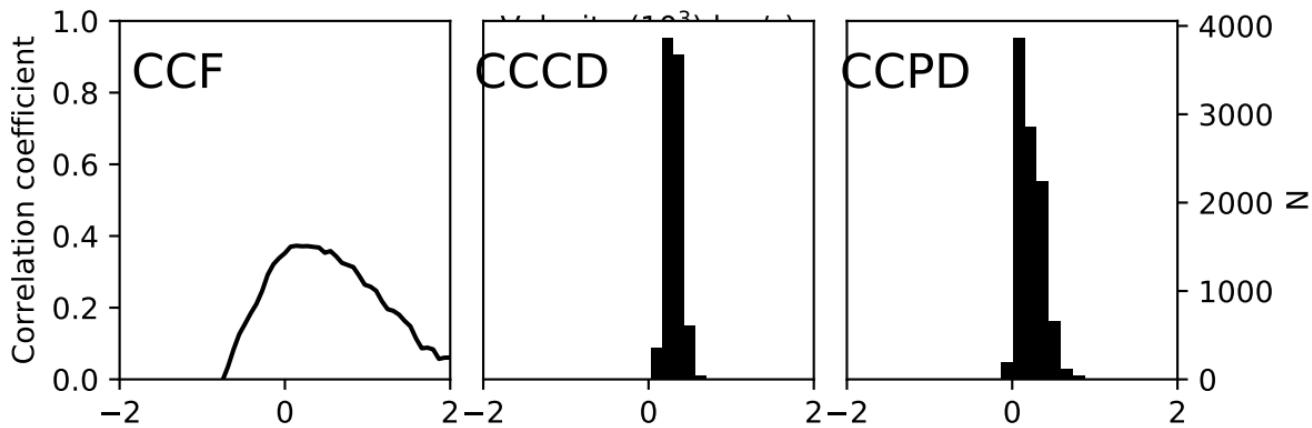
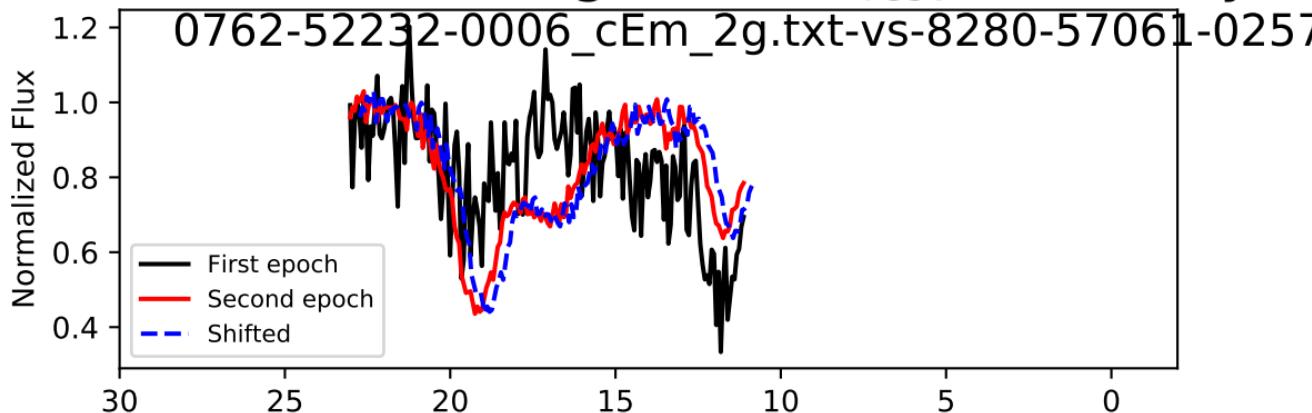


spectrum i = 52, Trough 0/1,  $\Delta t_{\text{rest}} = 3.244$  years

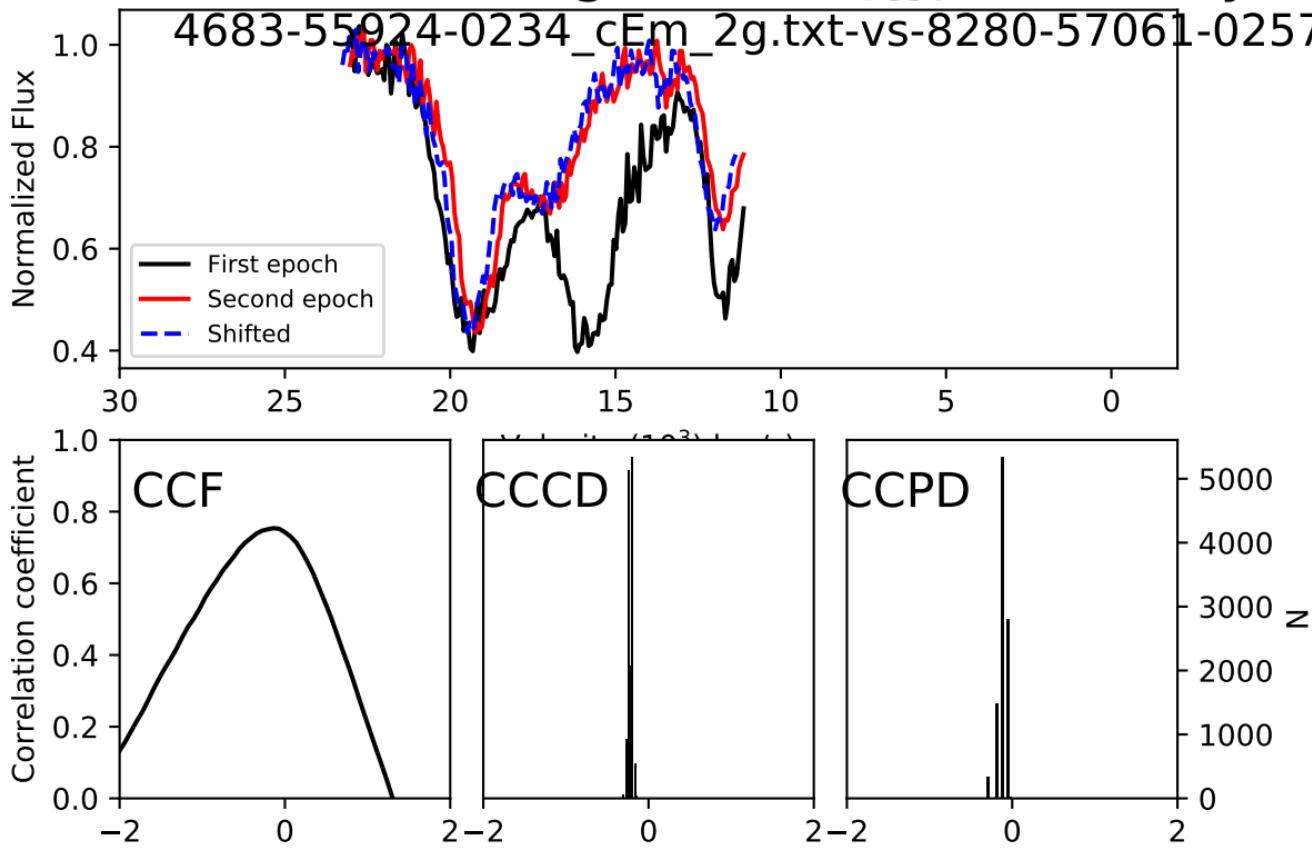


Vshift:  $69.0 + 63.1 - 38.3$  km/s, Accel:  $0.067 + 0.062 - 0.037$  cm/s<sup>2</sup>

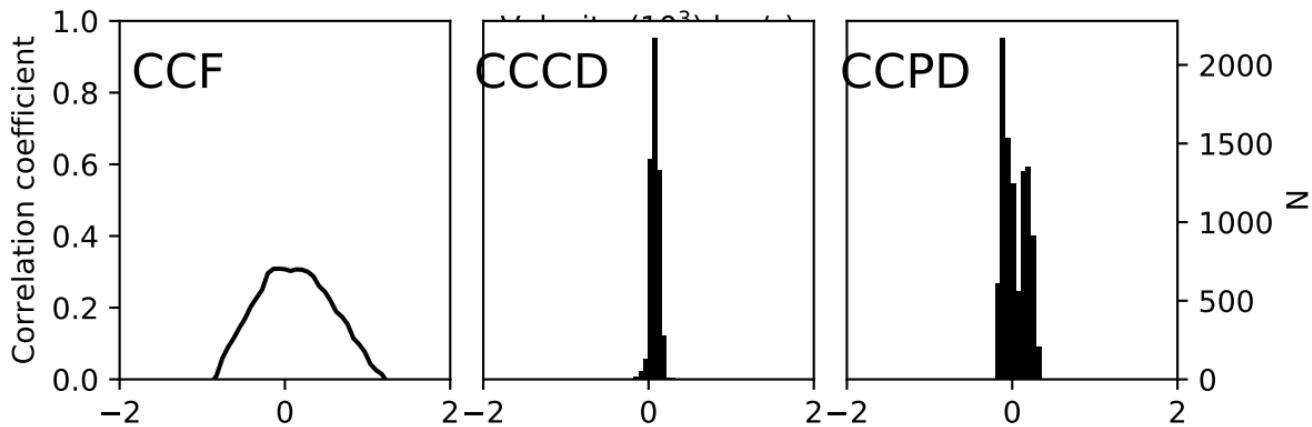
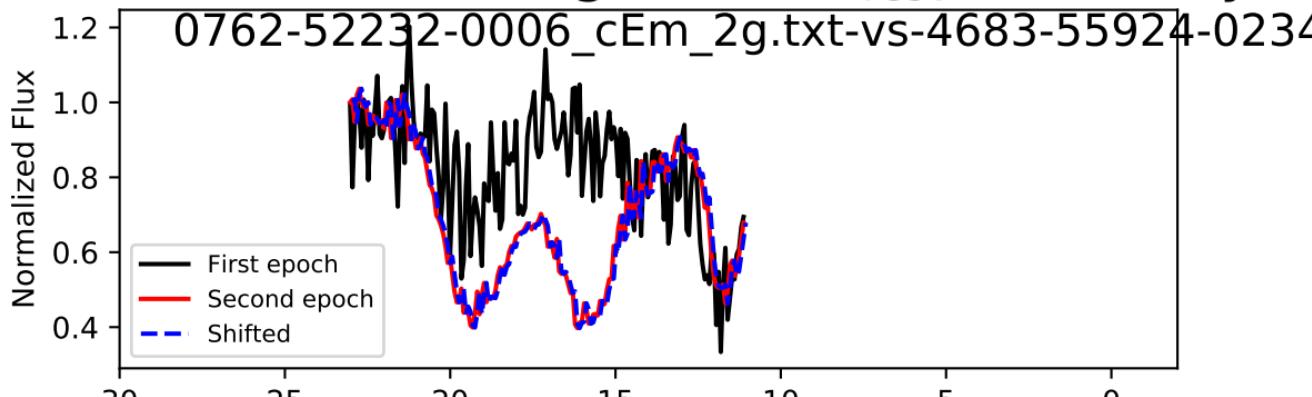
spectrum i = 52, Trough 0/1,  $\Delta t_{\text{rest}} = 4.243$  years



spectrum i = 52, Trough 0/1,  $\Delta t_{\text{rest}} = 0.999$  year

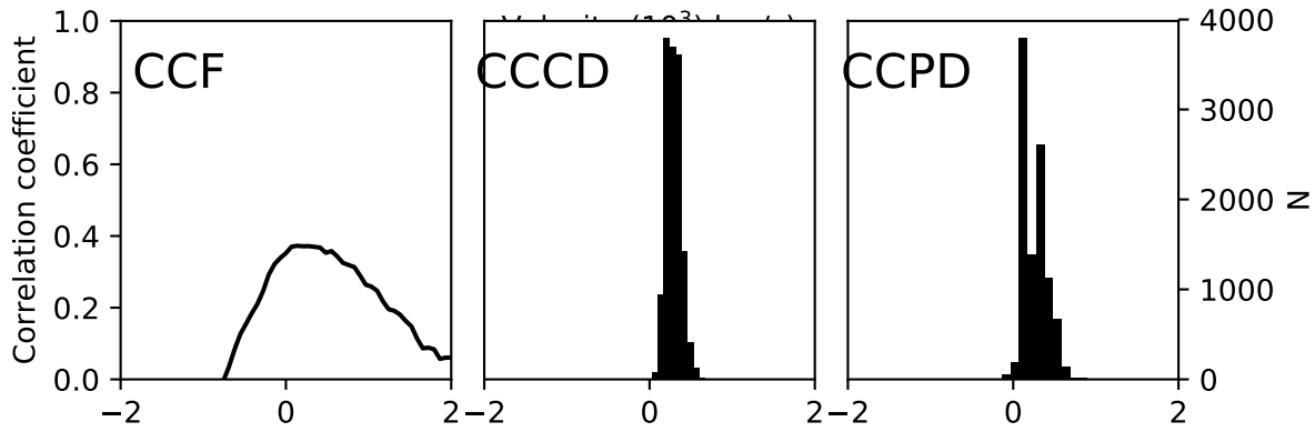
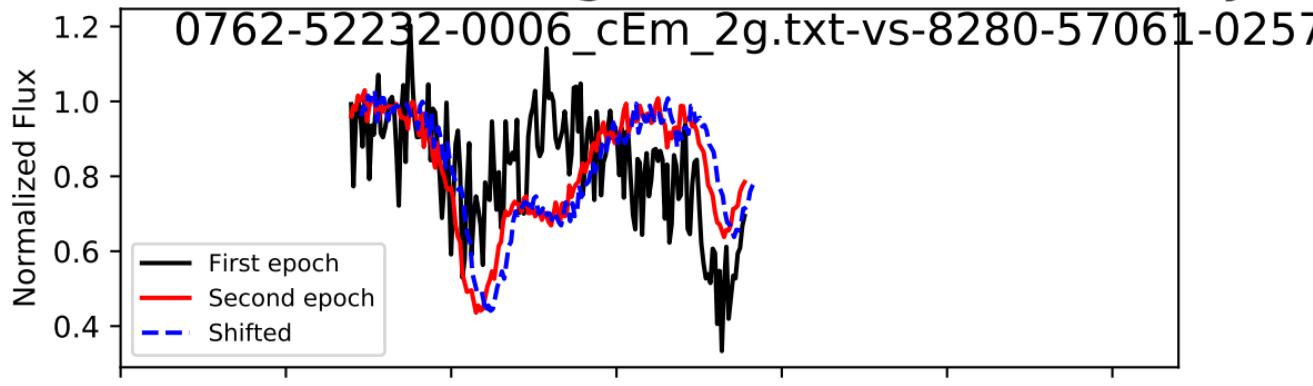


spectrum i = 52, Trough 1/1,  $\Delta t_{\text{rest}} = 3.244$  years



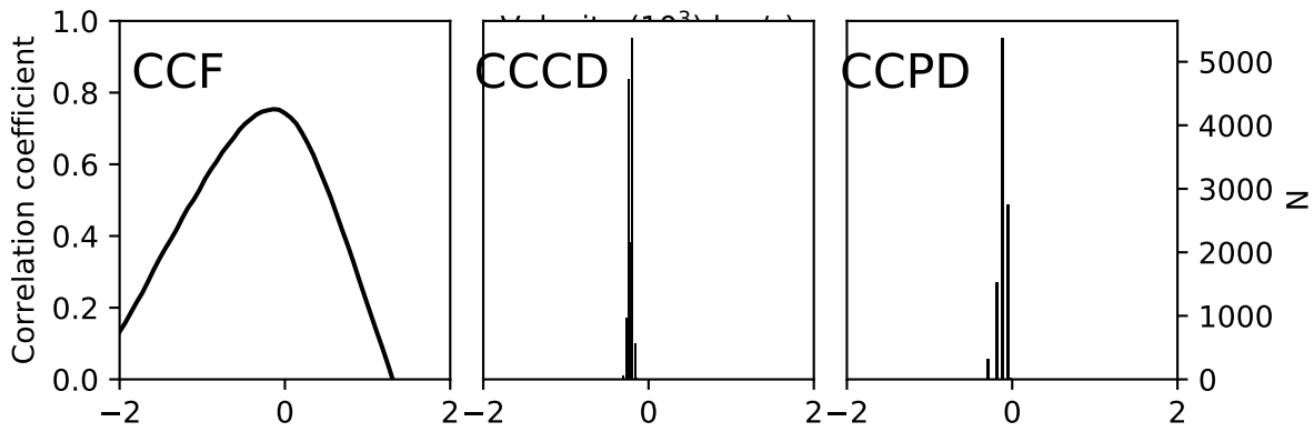
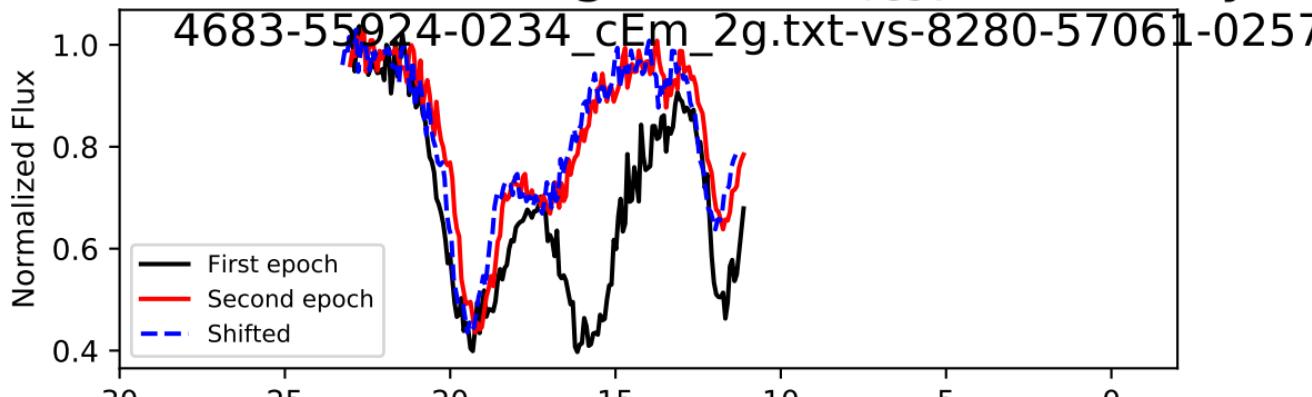
Vshift:  $68.6 + 63.4 - 38.5$  km/s, Accel:  $0.067 + 0.062 - 0.038$  cm/s<sup>2</sup>

pectrum i = 52, Trough 1/1,  $\Delta t_{rest} = 4.243$  years



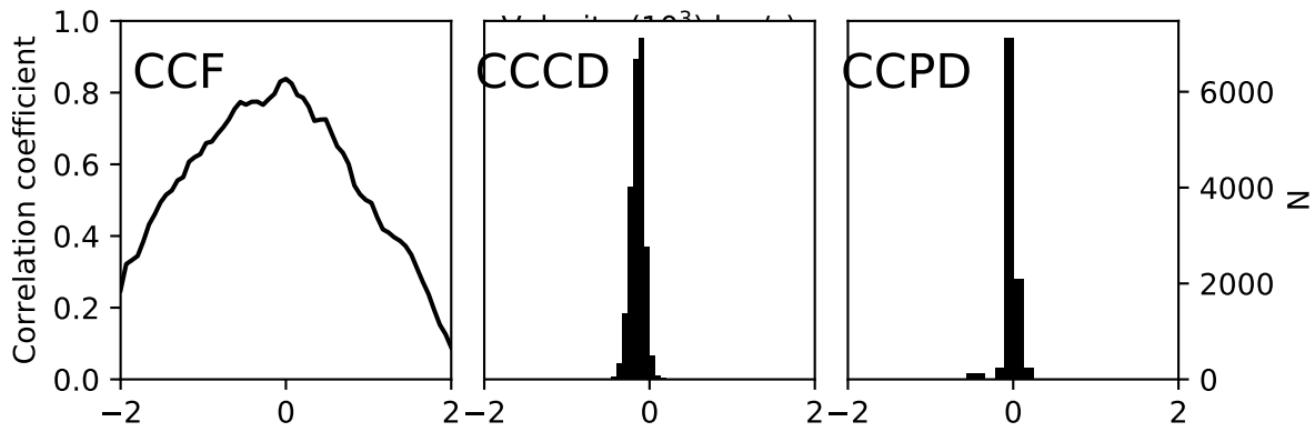
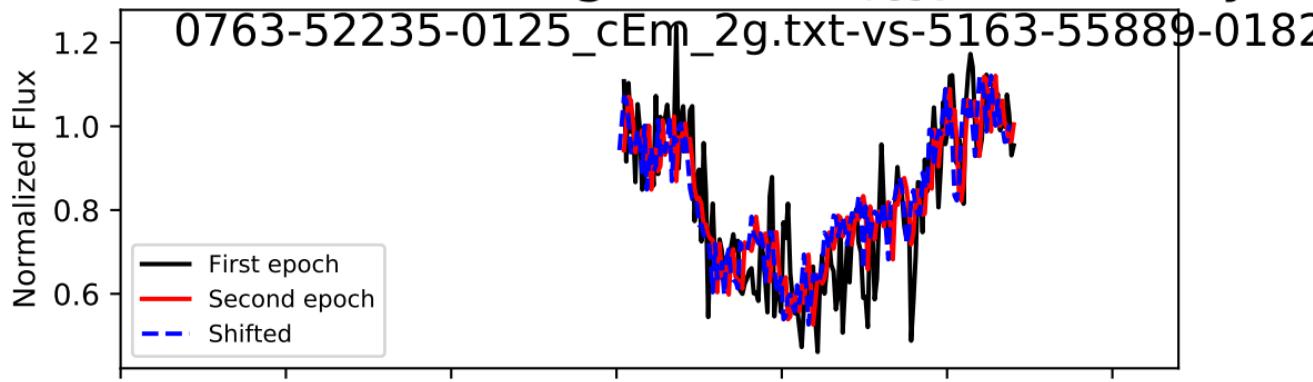
ft: 302.8 + 77.7 - 95.9 km/s, Accel: 0.226+ 0.058 - 0.072 cm

spectrum i = 52, Trough 1/1,  $\Delta t_{\text{rest}} = 0.999$  year



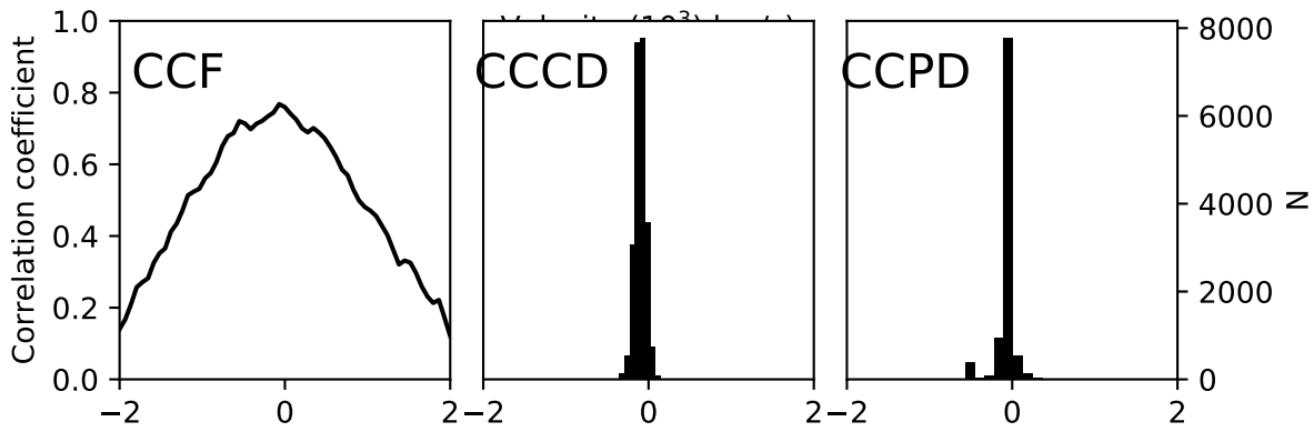
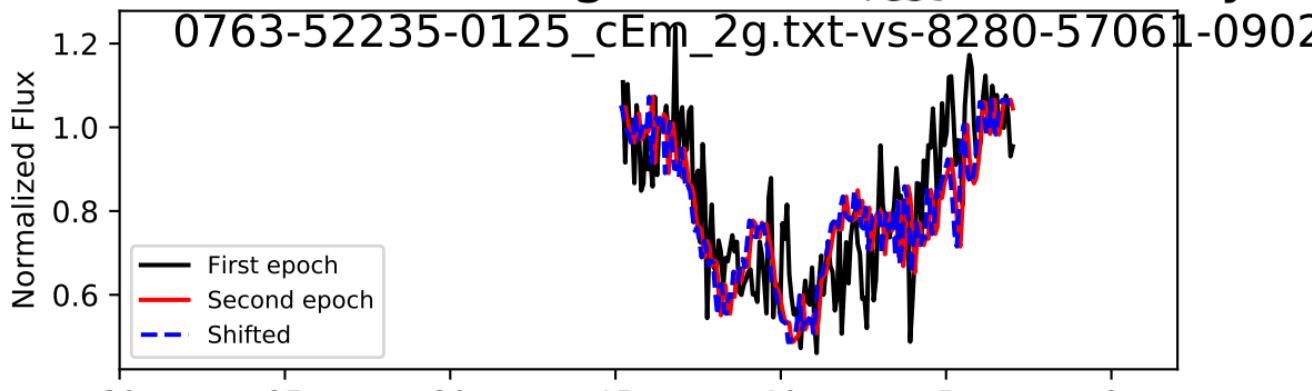
ft: -234.5 + 32.1 - 3.8 km/s, Accel: -0.744+ 0.102 - 0.012 cm/s<sup>2</sup>

spectrum i = 53, Trough 0/0,  $\Delta t_{\text{rest}} = 2.782$  years



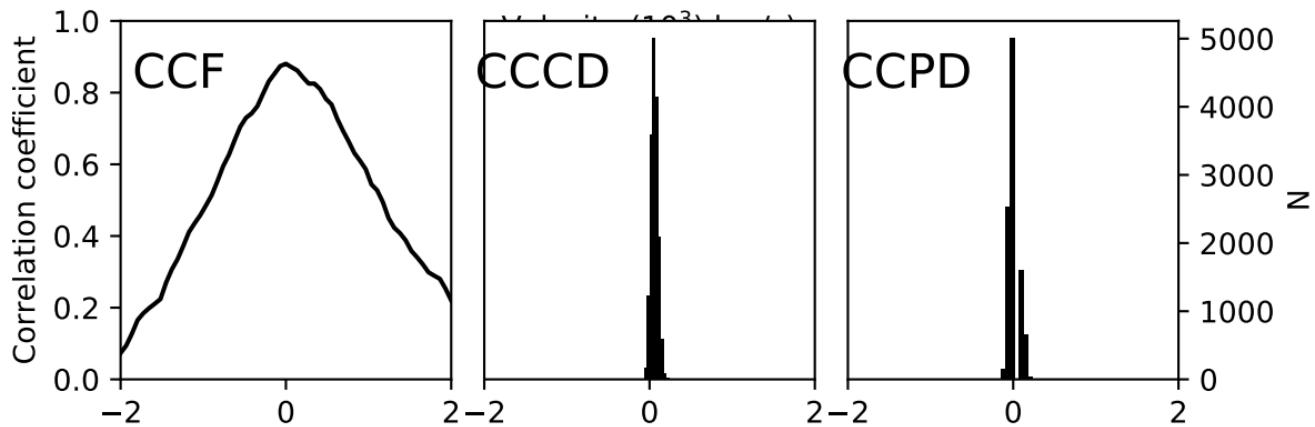
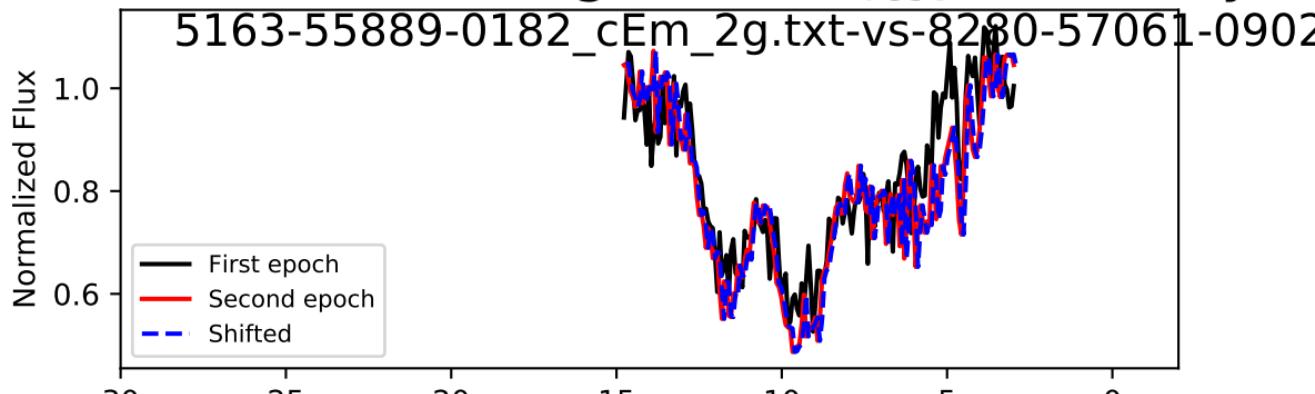
t: -136.9 + 69.3 - 95.9 km/s, Accel: -0.156+ 0.079 - 0.109 cm/s<sup>2</sup>

spectrum i = 53, Trough 0/0,  $\Delta t_{\text{rest}} = 3.674$  years



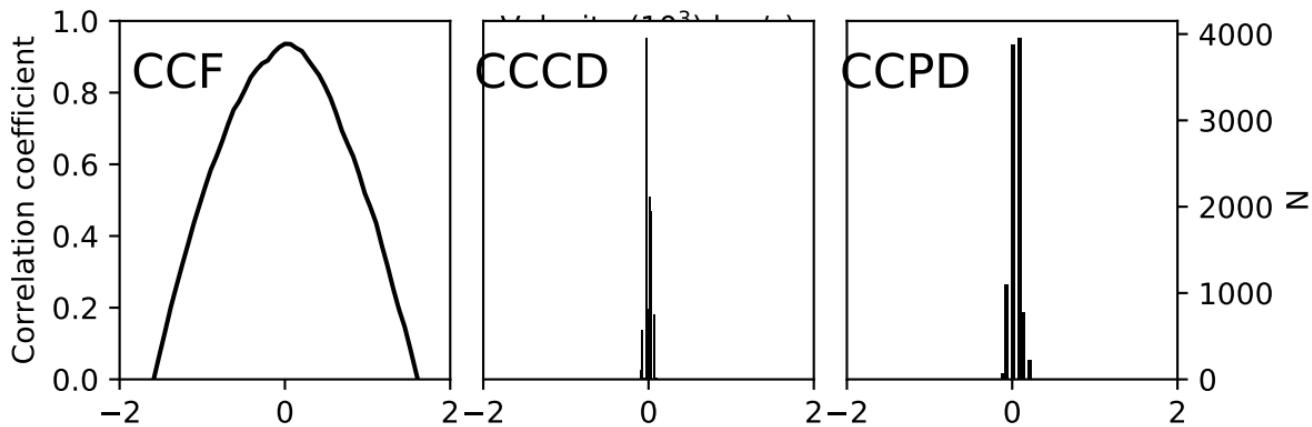
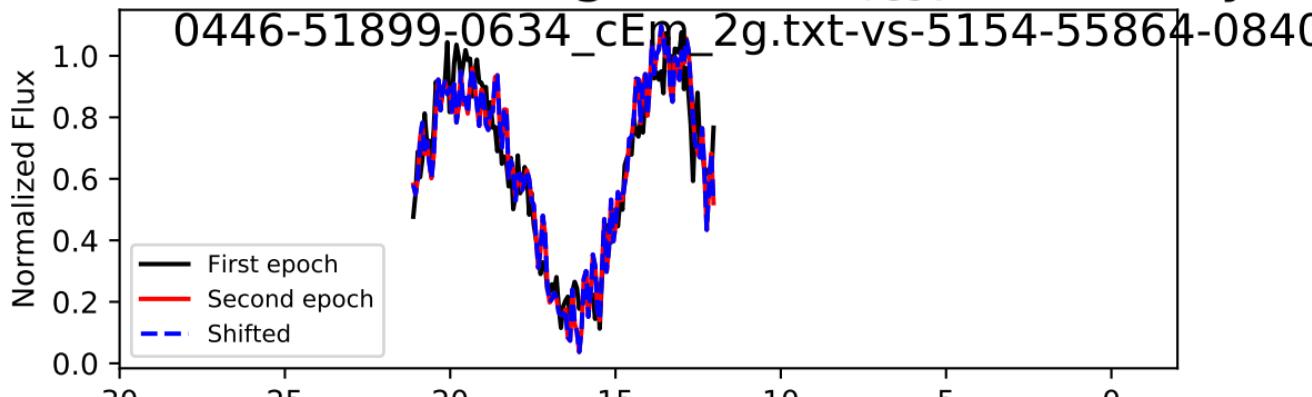
t: -102.5 + 65.8 - 63.7 km/s, Accel: -0.088+ 0.057 - 0.055 cm/s<sup>2</sup>

spectrum i = 53, Trough 0/0,  $\Delta t_{\text{rest}} = 0.892$  years



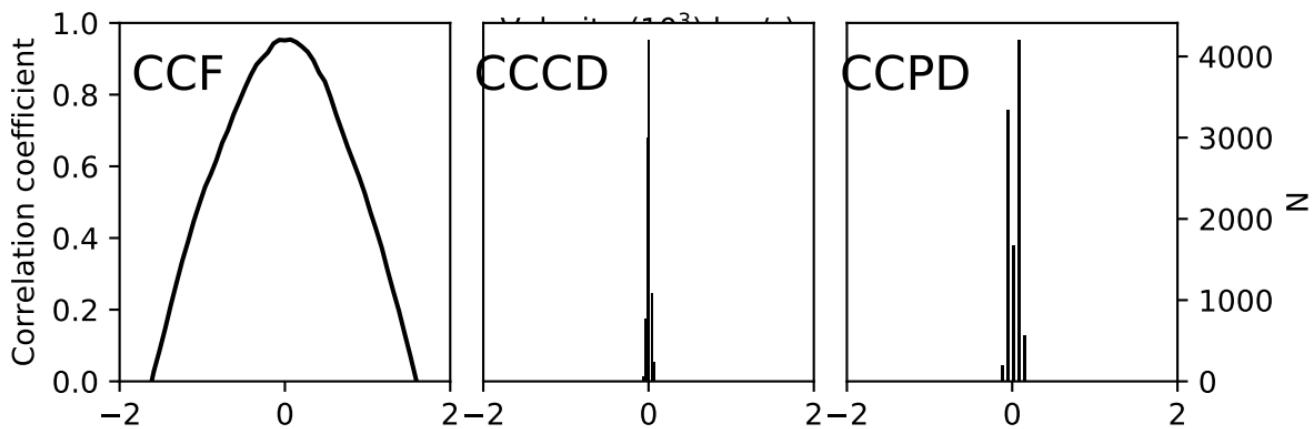
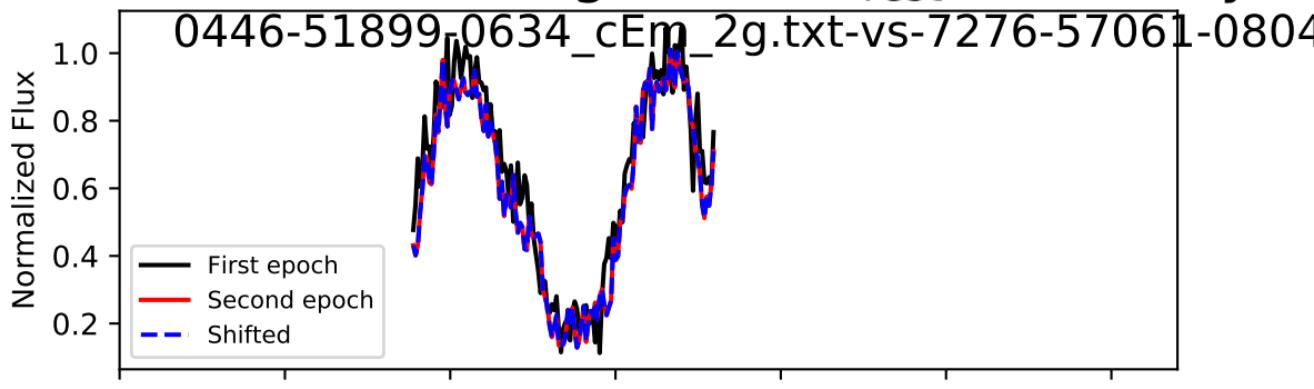
Vshift:  $68.7 + 36.1 - 36.4$  km/s, Accel:  $0.244 + 0.128 - 0.129$  cm/s<sup>2</sup>

spectrum i = 54, Trough 0/0,  $\Delta t_{\text{rest}} = 2.235$  years

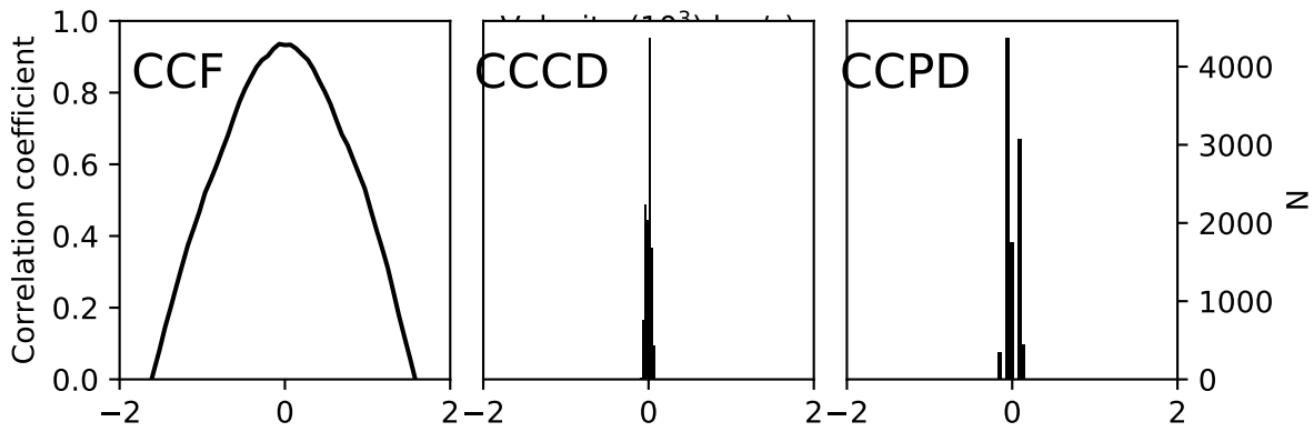
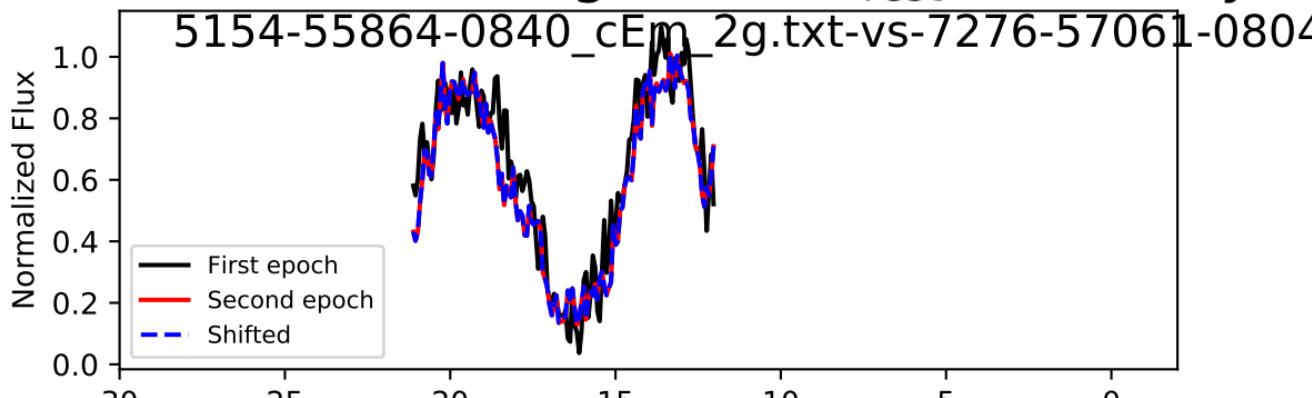


Shift: 0.5 + 35.1 - 33.6 km/s, Accel: 0.001+ 0.050 - 0.048 cm

spectrum i = 54, Trough 0/0,  $\Delta t_{\text{rest}} = 2.910$  years

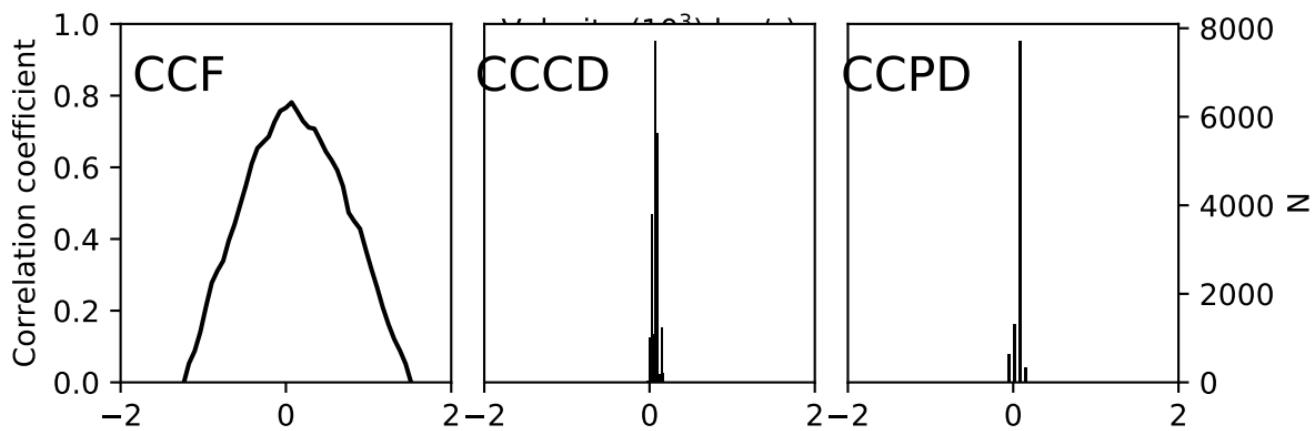
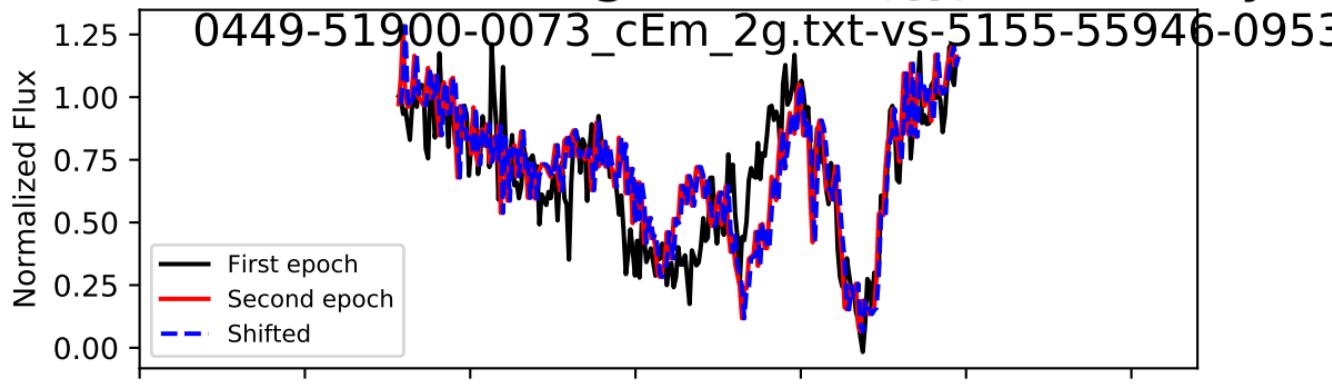


spectrum i = 54, Trough 0/0,  $\Delta t_{\text{rest}} = 0.675$  years



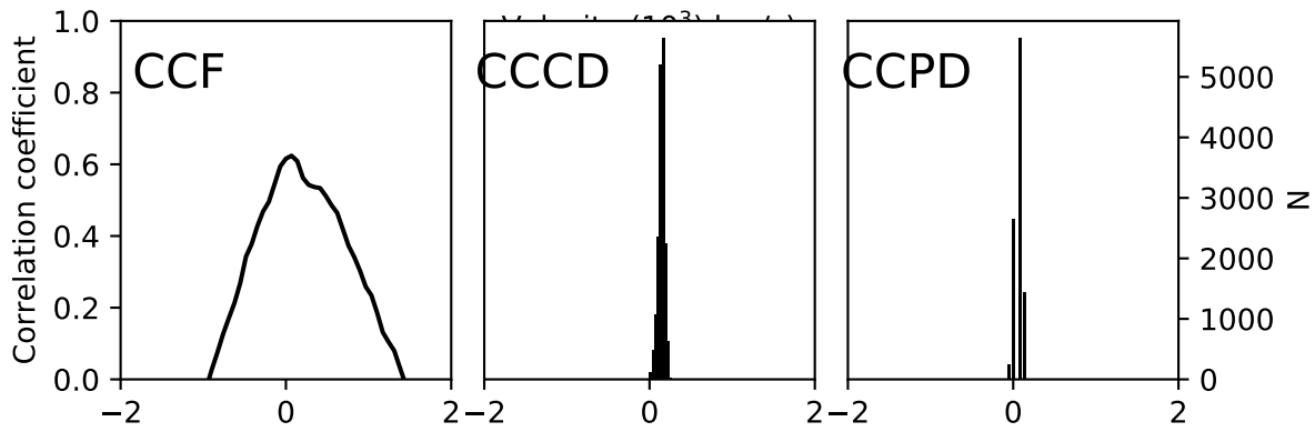
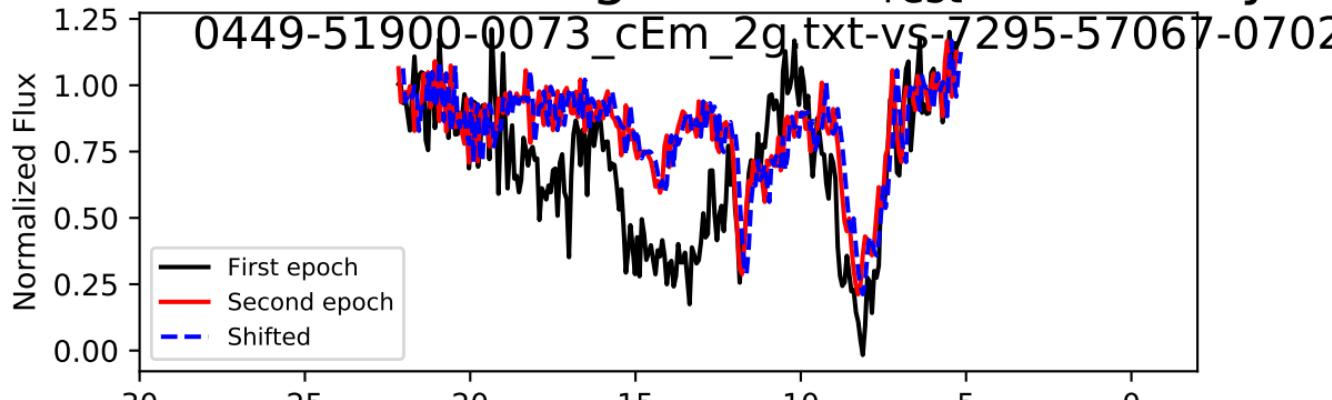
Shift:  $-0.8 + 32.5 - 33.6$  km/s, Accel:  $-0.004 + 0.153 - 0.158$  cm/s<sup>2</sup>

spectrum i = 58, Trough 0/0,  $\Delta t_{\text{rest}} = 3.978$  years

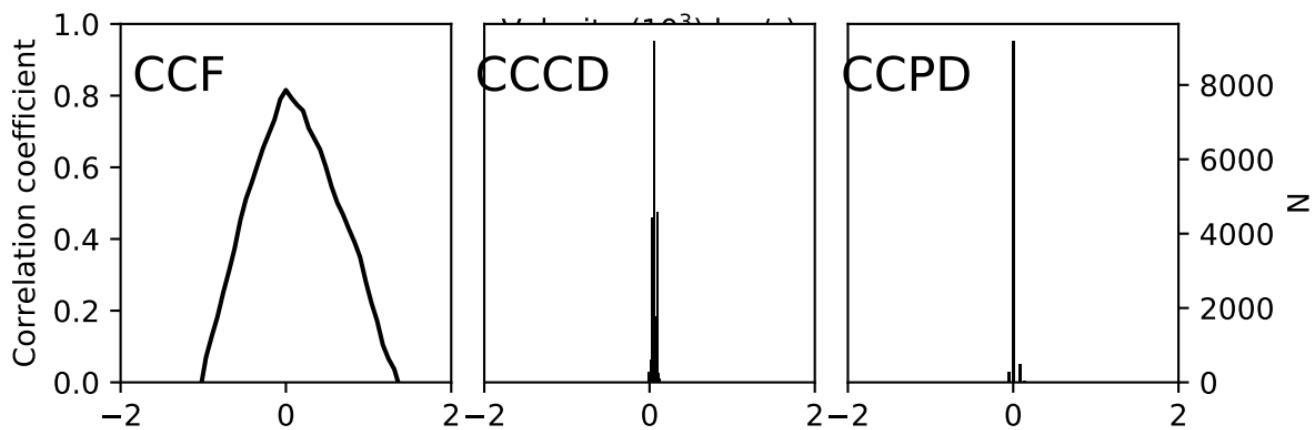
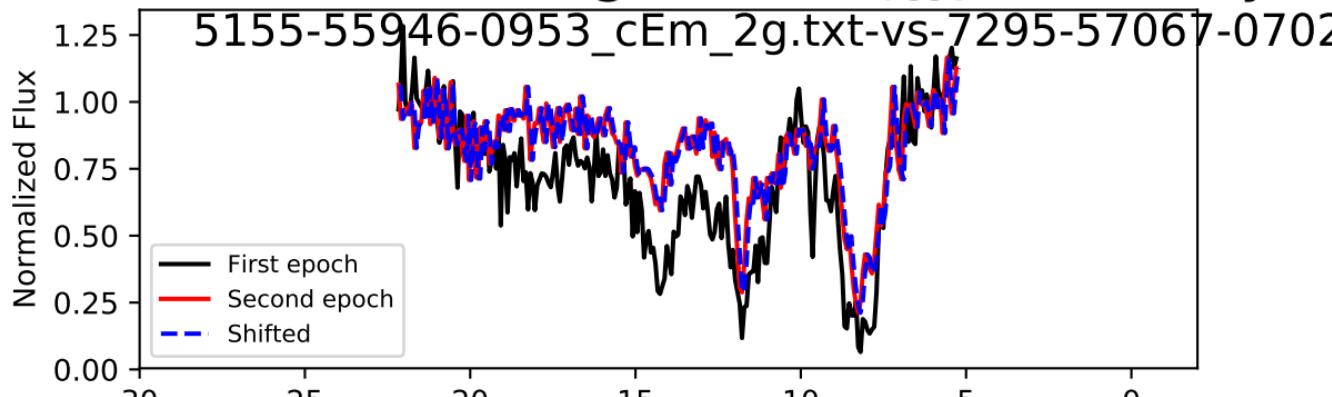


Shift:  $69.0 + 33.3 - 33.3$  km/s, Accel:  $0.055 + 0.027 - 0.027$  cm/s<sup>2</sup>

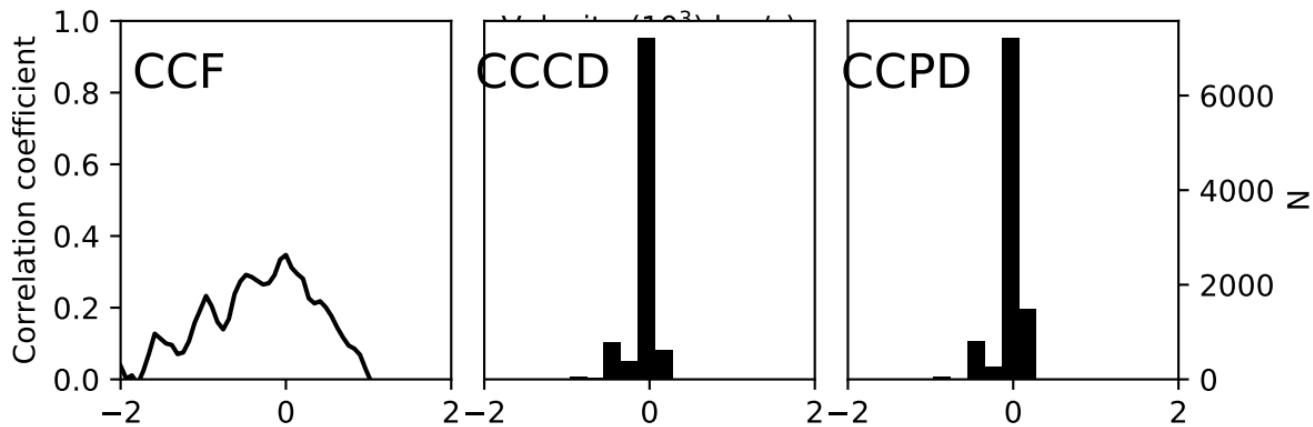
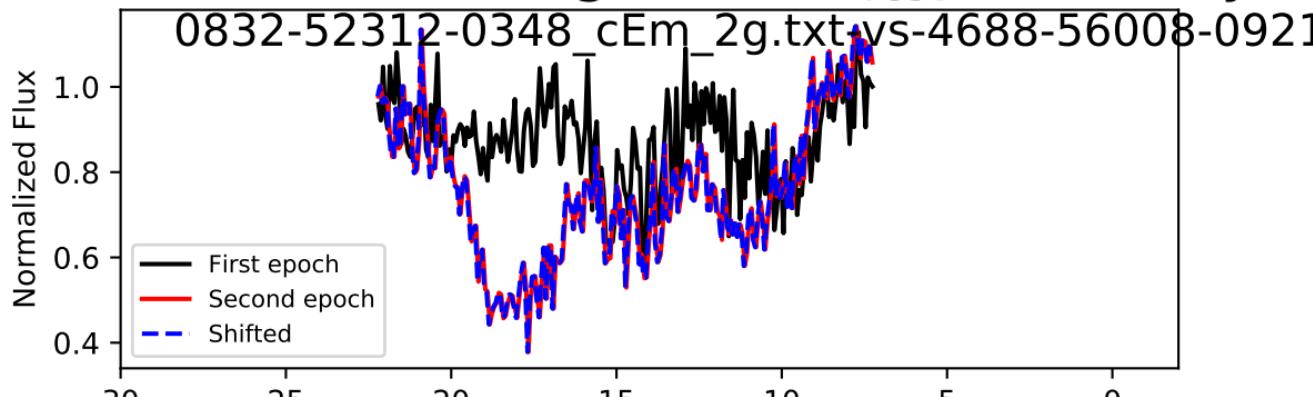
spectrum  $i = 58$ , Trough 0/0,  $\Delta t_{\text{rest}} = 5.080$  years



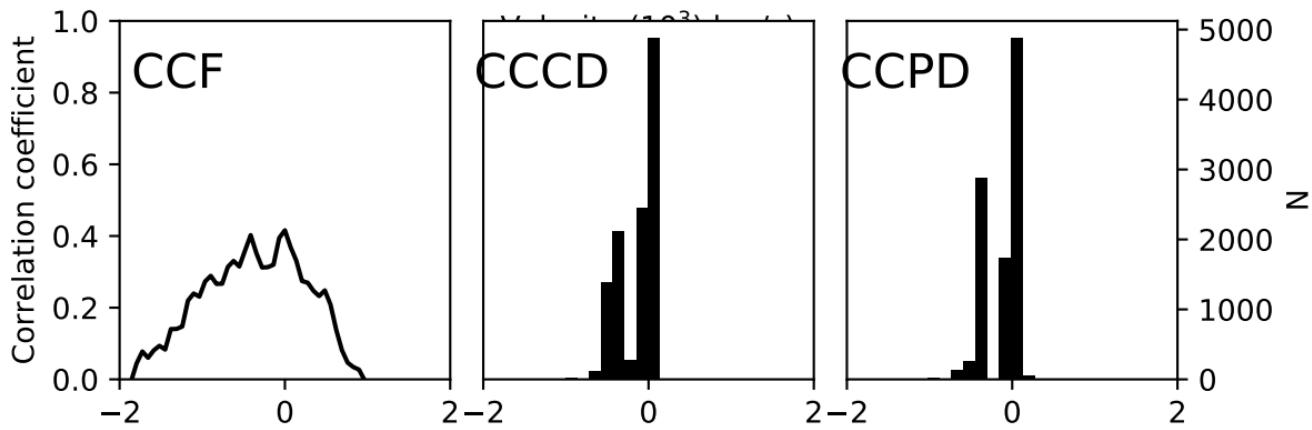
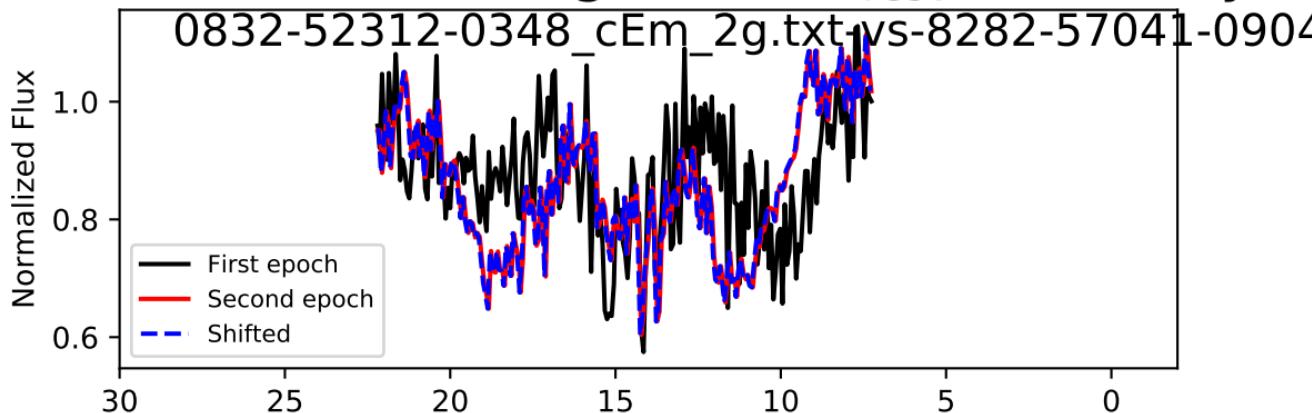
spectrum i = 58, Trough 0/0,  $\Delta t_{\text{rest}} = 1.102$  years



spectrum  $i = 59$ , Trough 0/0,  $\Delta t_{\text{rest}} = 2.863$  years

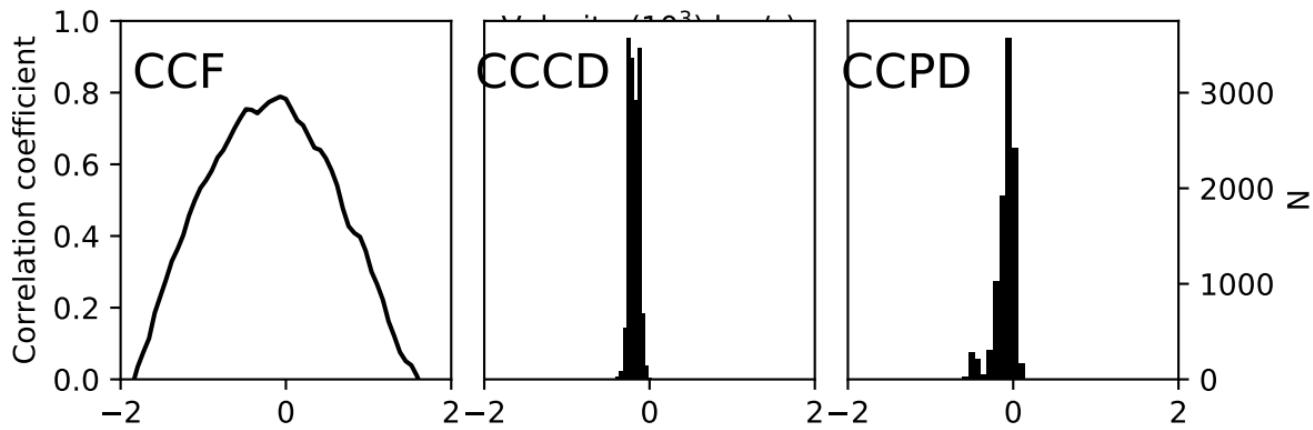
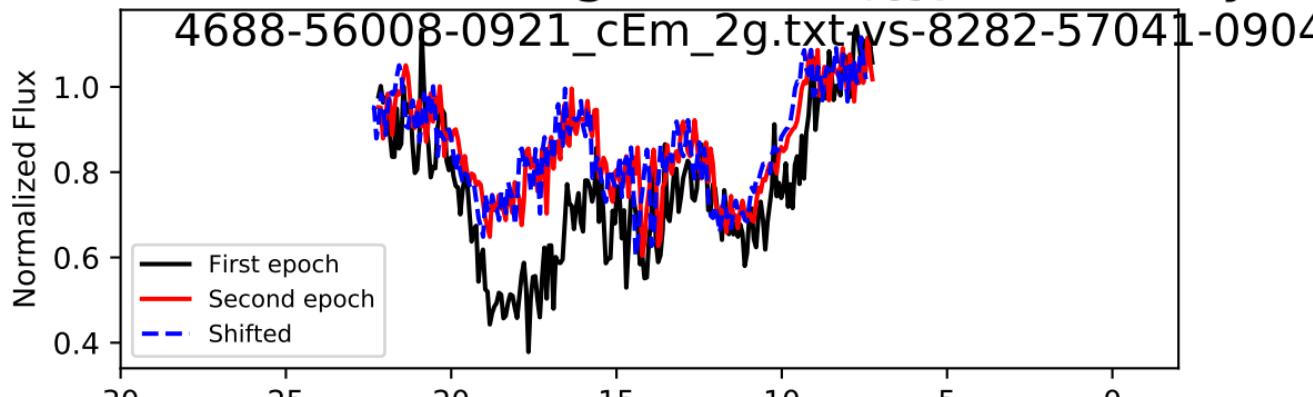


spectrum i = 59, Trough 0/0,  $\Delta t_{\text{rest}} = 3.663$  years



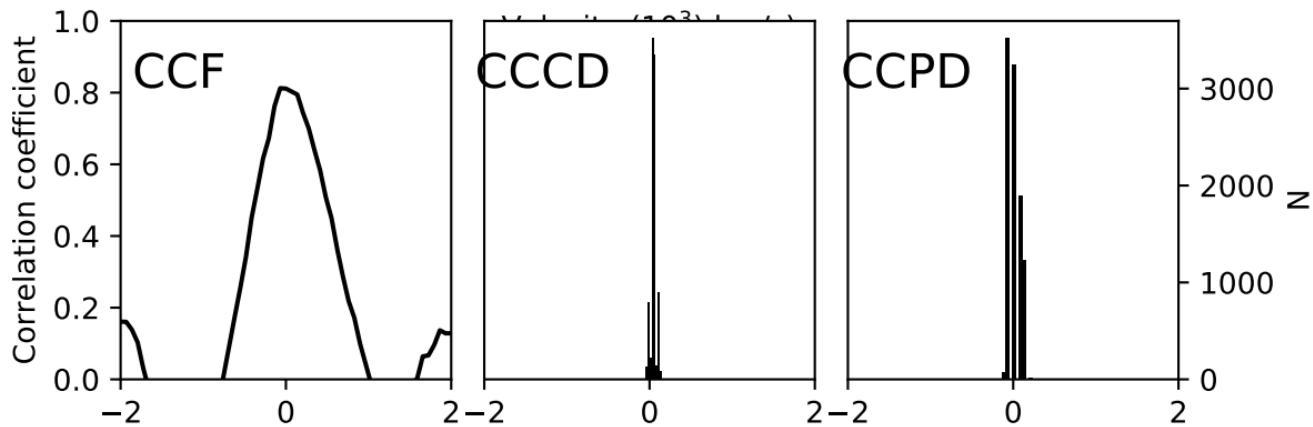
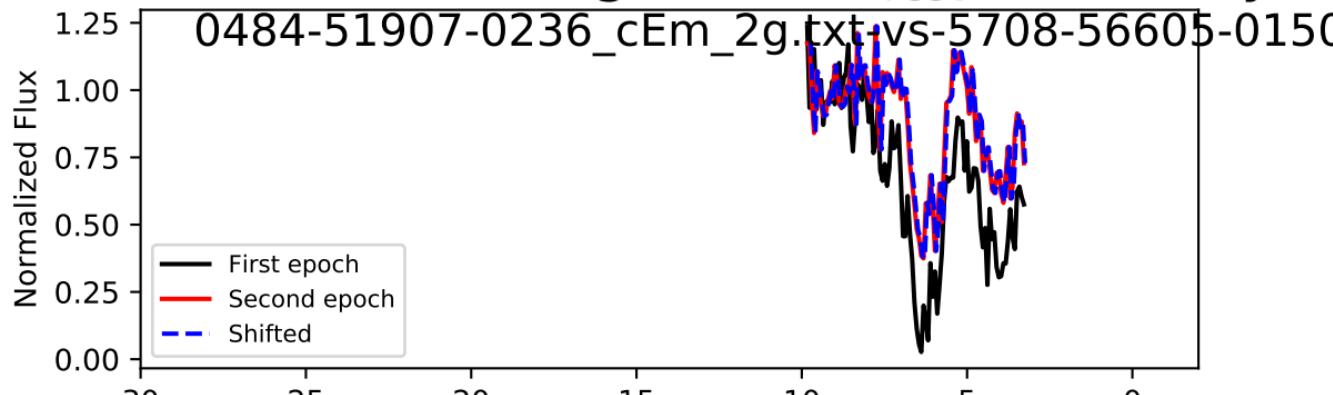
Lat: -32.7 + 62.0 - 382.7 km/s, Accel: -0.028+ 0.054 - 0.331 cm/s<sup>2</sup>

spectrum  $i = 59$ , Trough 0/0,  $\Delta t_{\text{rest}} = 0.800$  years

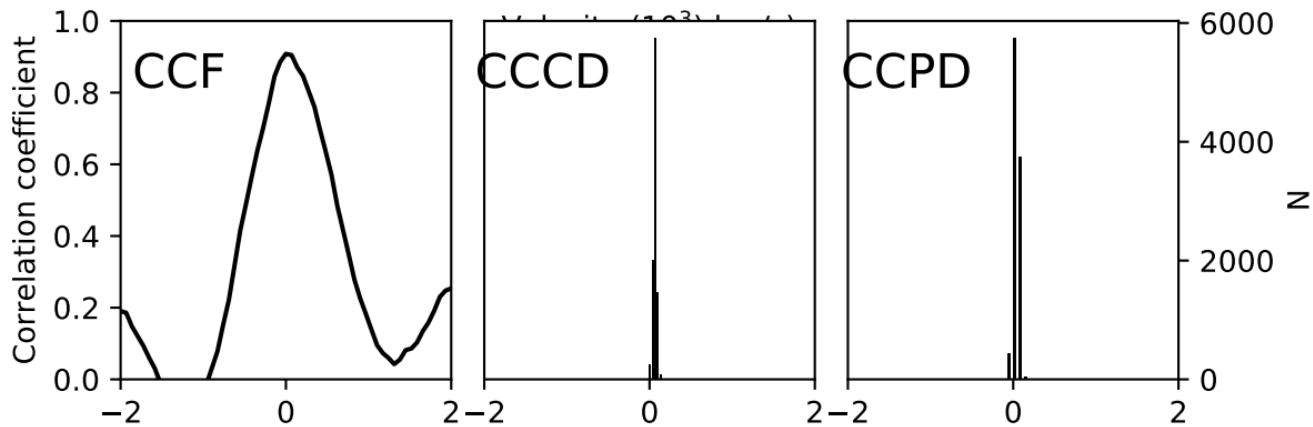
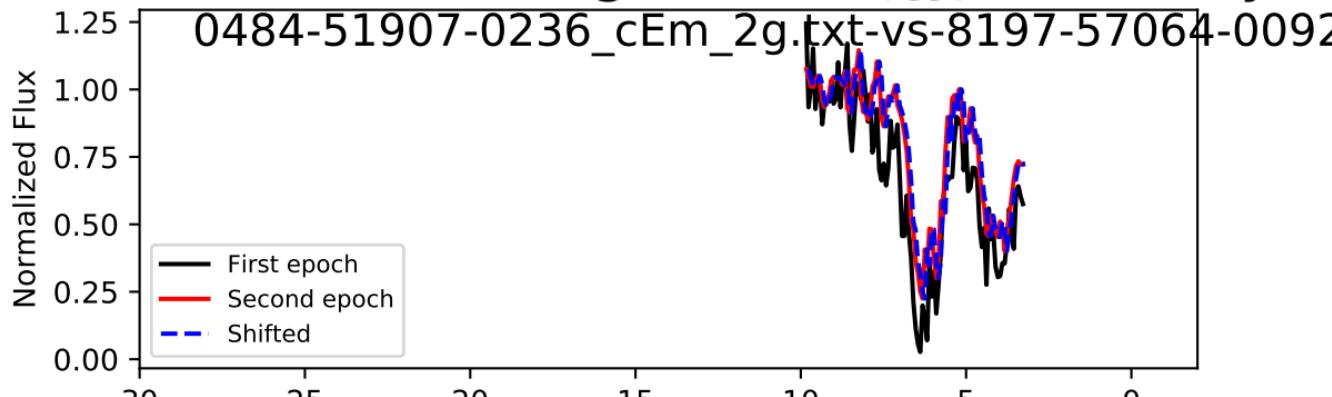


t: -201.0 + 65.4 - 41.2 km/s, Accel: -0.796+ 0.259 - 0.163 cm/s<sup>2</sup>

spectrum  $i = 60$ , Trough 0/1,  $\Delta t_{\text{rest}} = 4.448$  years

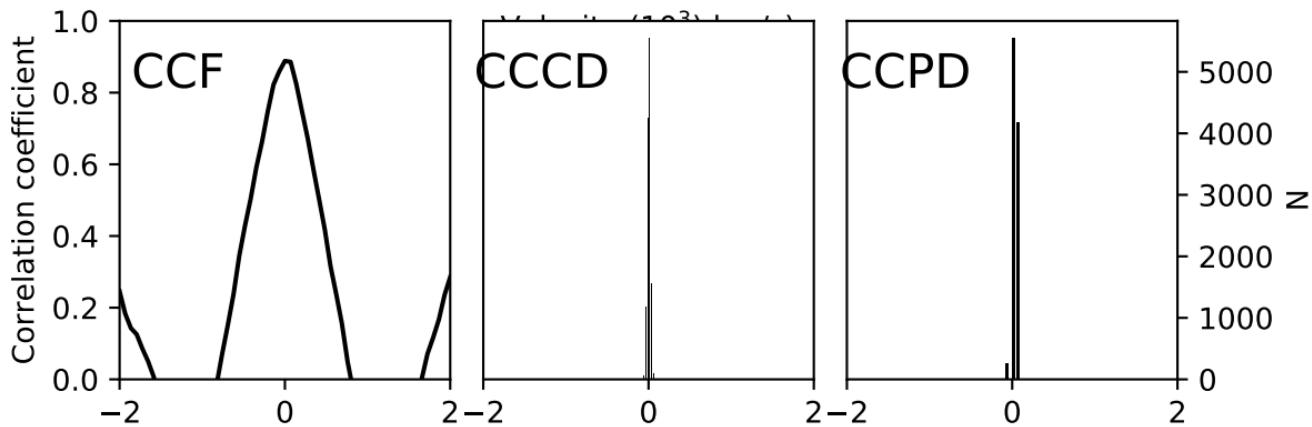
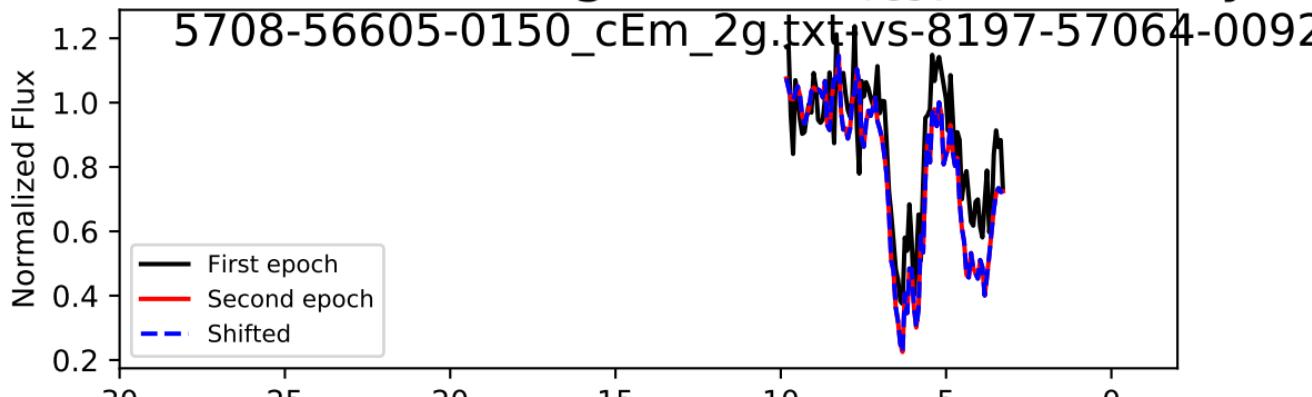


spectrum  $i = 60$ , Trough 0/1,  $\Delta t_{\text{rest}} = 4.882$  years

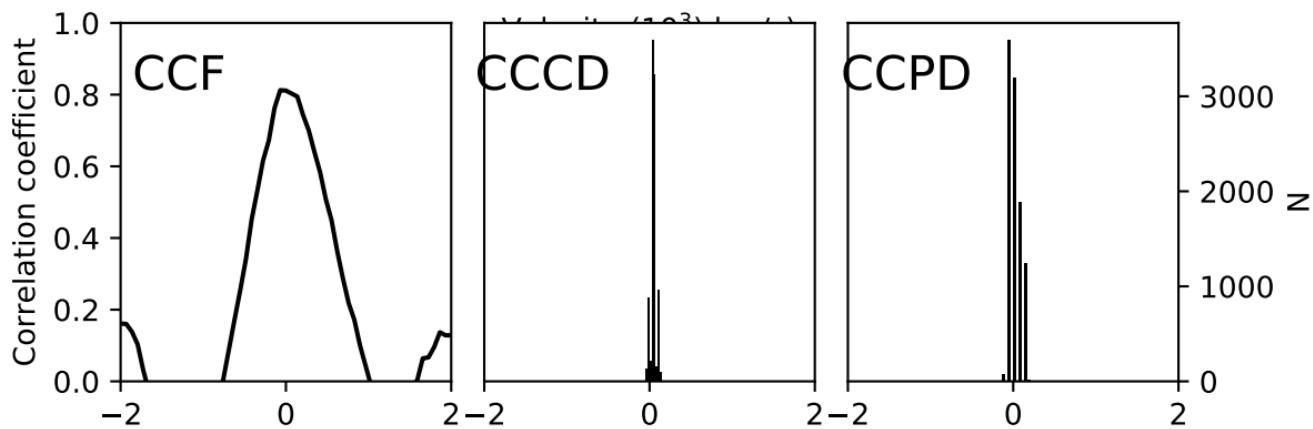
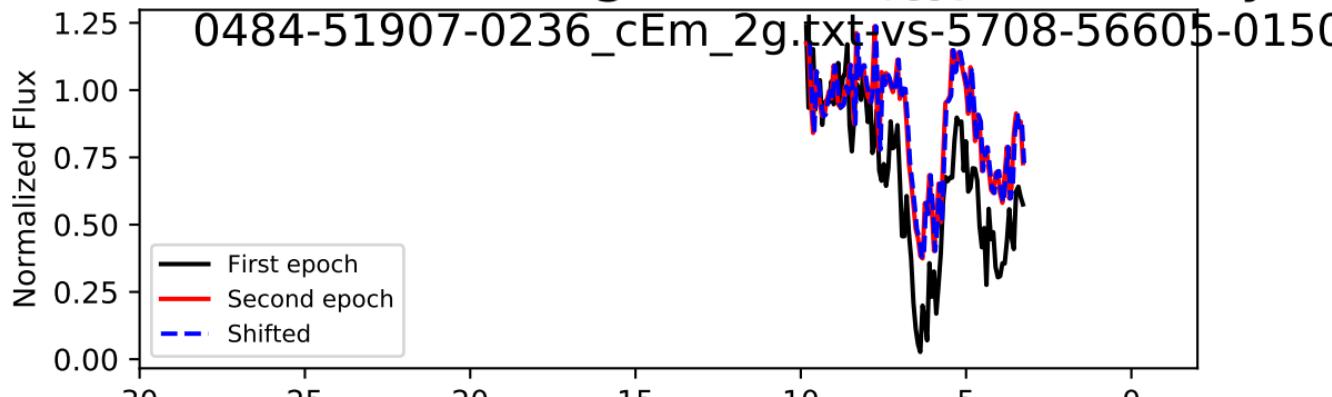


Shift:  $66.5 + 3.7 - 31.2 \text{ km/s}$ , Accel:  $0.043 + 0.002 - 0.020 \text{ cm/s}^2$

spectrum  $i = 60$ , Trough 0/1,  $\Delta t_{\text{rest}} = 0.435$  years

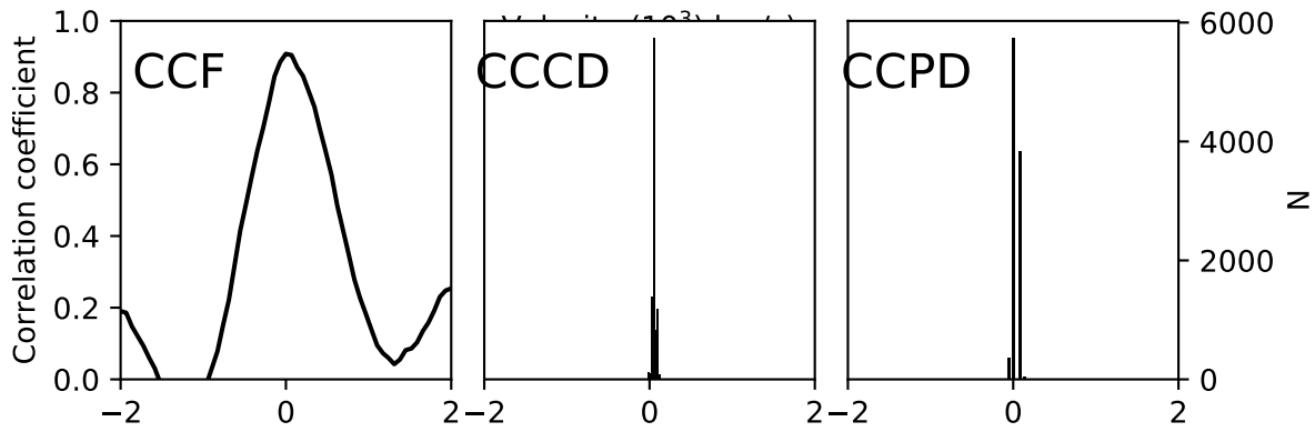
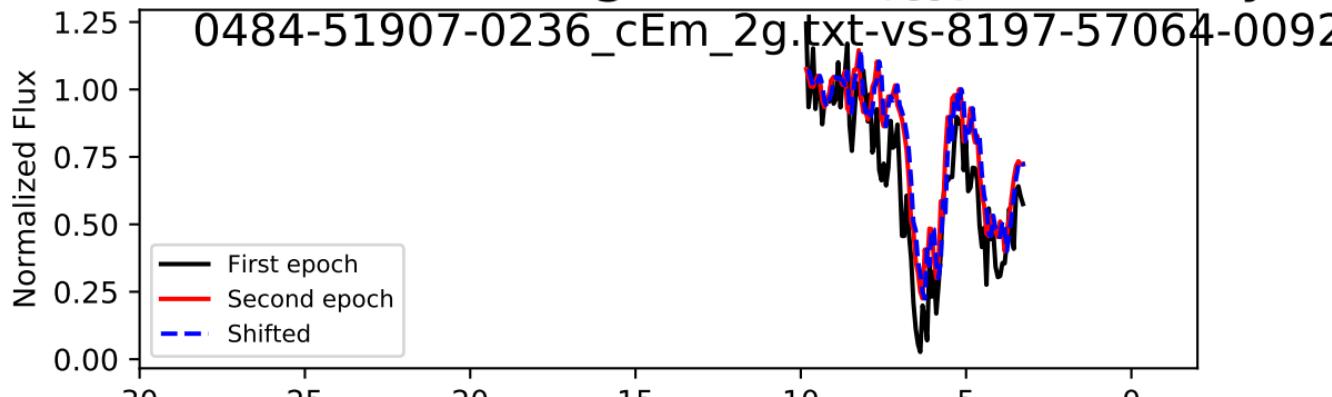


spectrum  $i = 60$ , Trough 1/1,  $\Delta t_{\text{rest}} = 4.448$  years

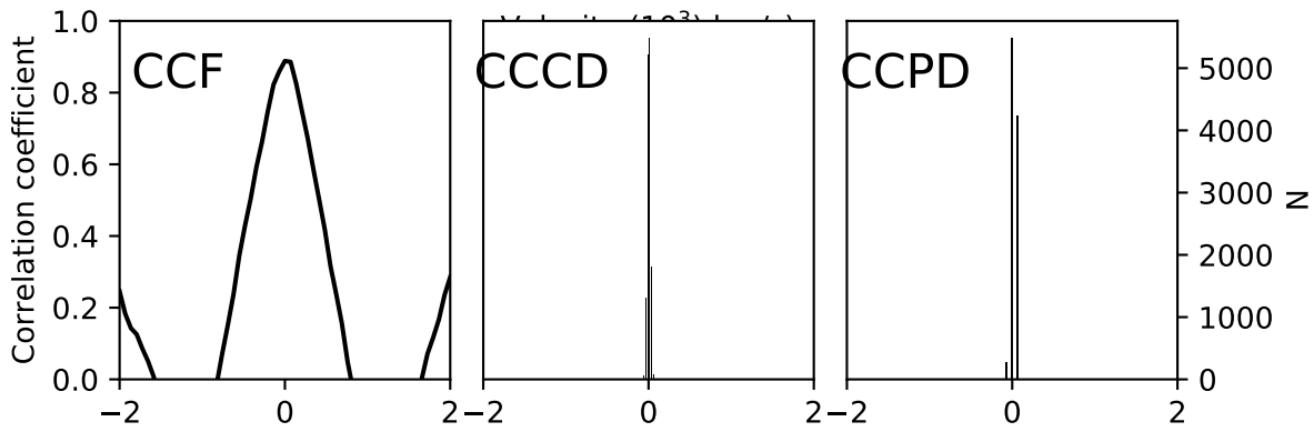
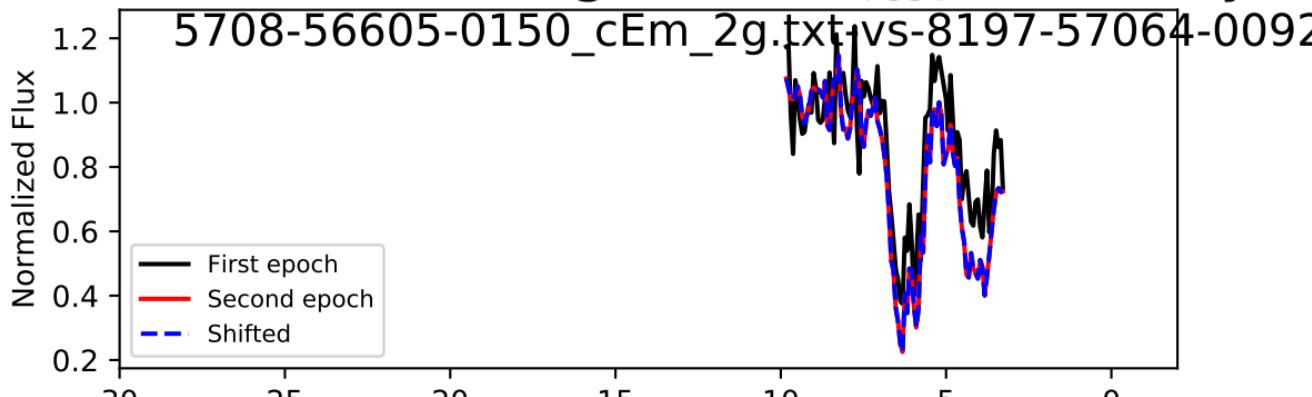


shift:  $36.7 + 31.9 - 6.1$  km/s, Accel:  $0.026 + 0.023 - 0.004$  cm/s<sup>2</sup>

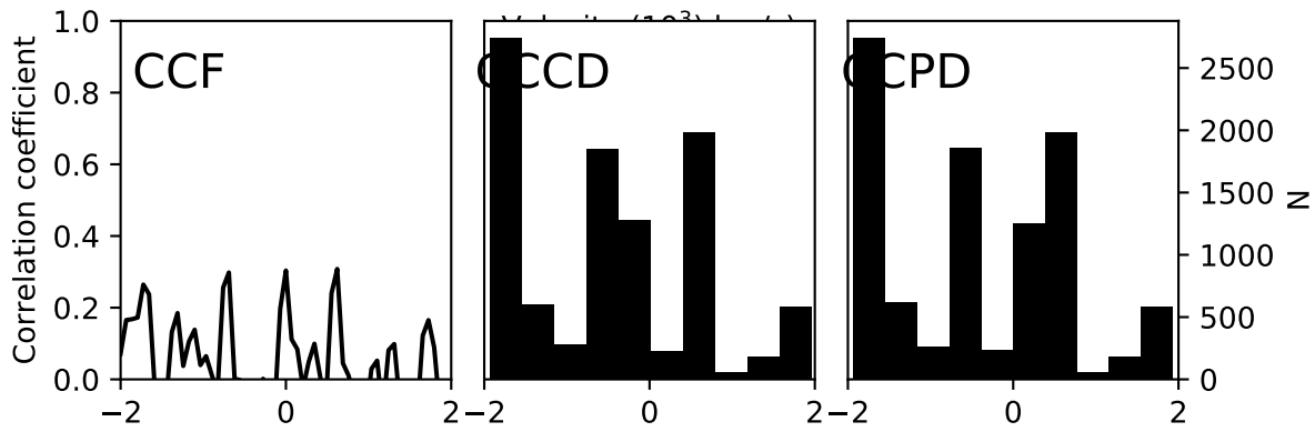
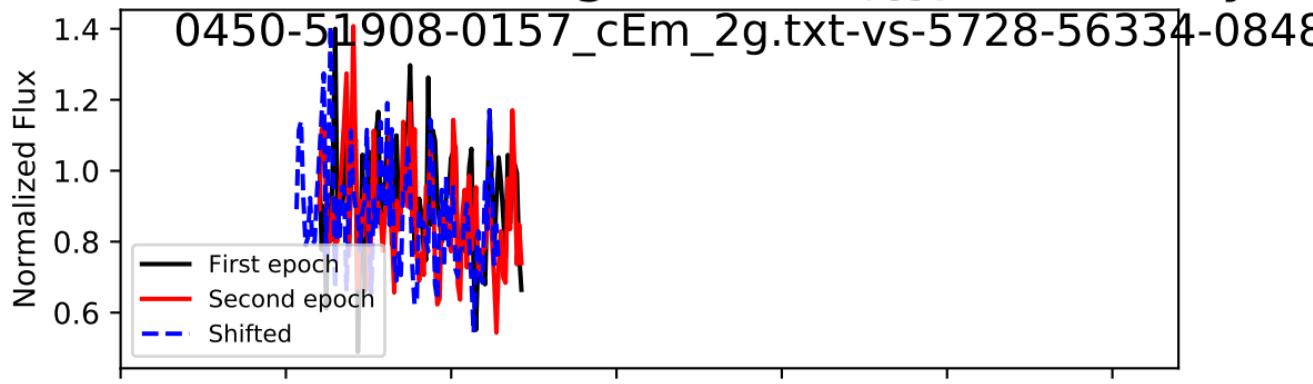
spectrum  $i = 60$ , Trough 1/1,  $\Delta t_{\text{rest}} = 4.882$  years



spectrum  $i = 60$ , Trough 1/1,  $\Delta t_{\text{rest}} = 0.435$  years

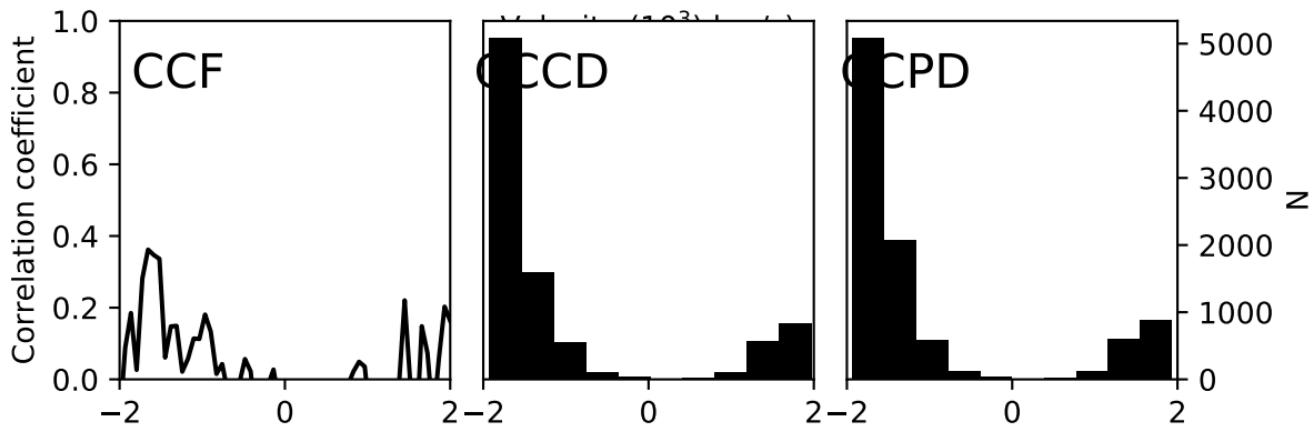
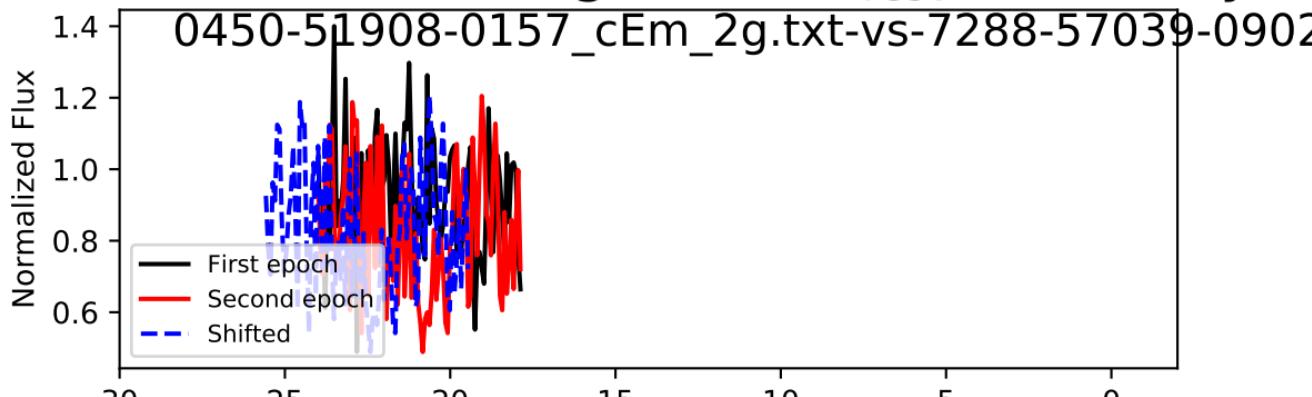


spectrum  $i = 61$ , Trough 0/1,  $\Delta t_{\text{rest}} = 4.138$  years



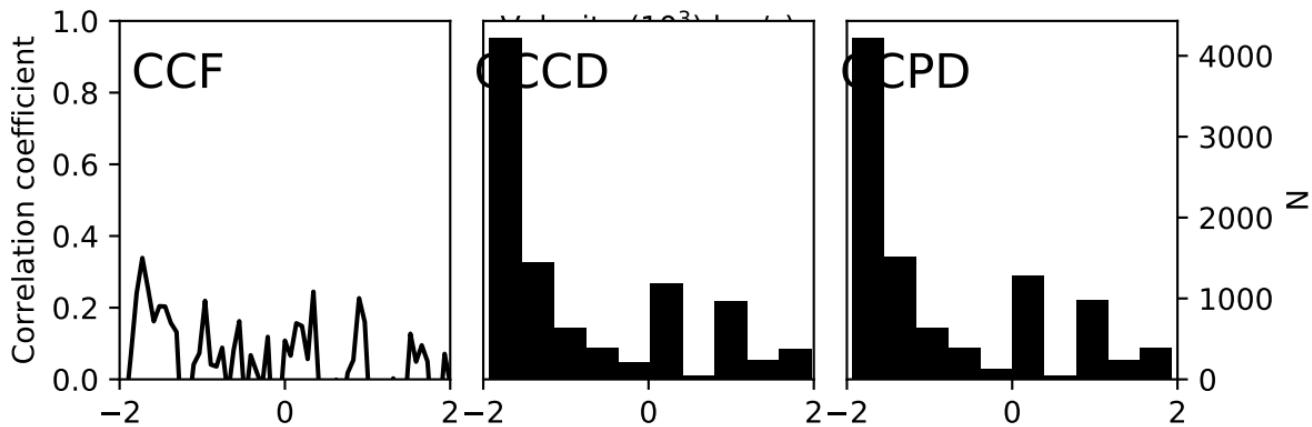
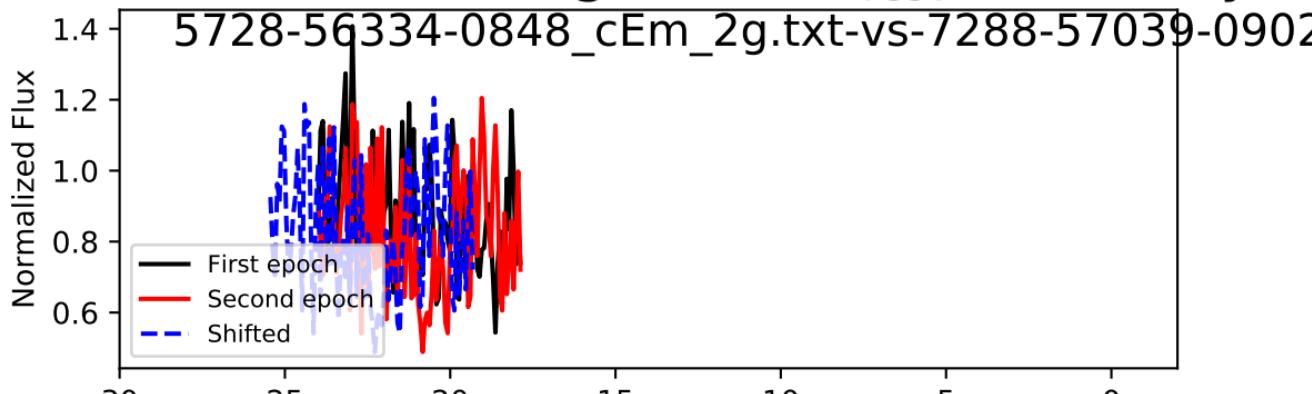
$-690.0 + 1311.0 - 1035.0 \text{ km/s}$ , Accel:  $-0.529 + 1.005 - 0.793$

spectrum i = 61, Trough 0/1,  $\Delta t_{\text{rest}} = 4.797$  years



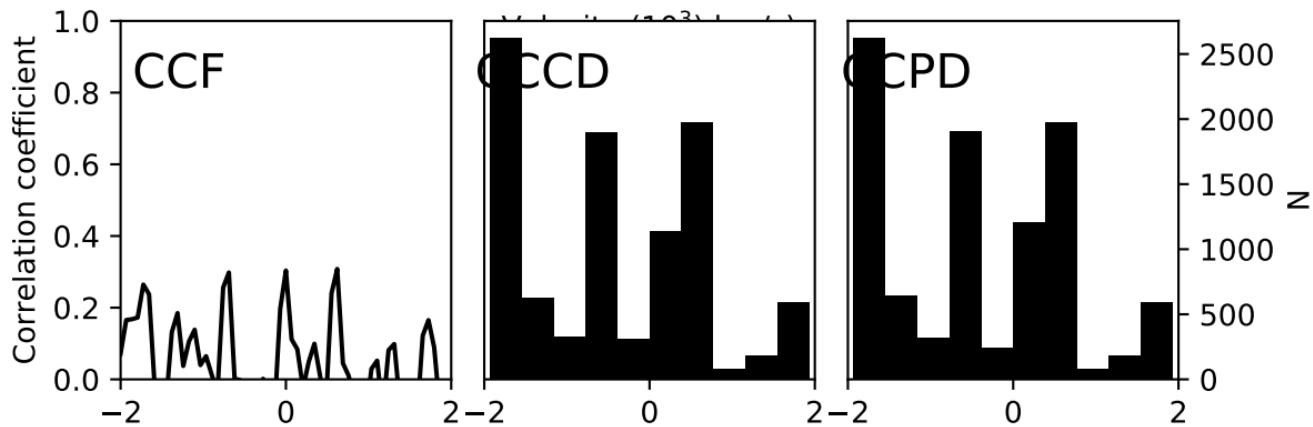
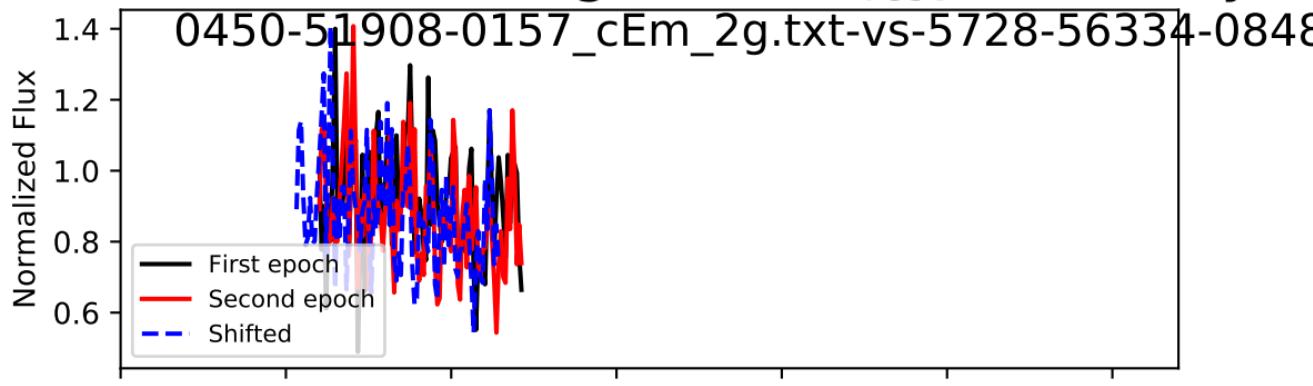
$-1586.1 + 2552.1 - 103.0 \text{ km/s}$ , Accel:  $-1.049 + 1.687 - 0.068$

spectrum  $i = 61$ , Trough 0/1,  $\Delta t_{\text{rest}} = 0.659$  years



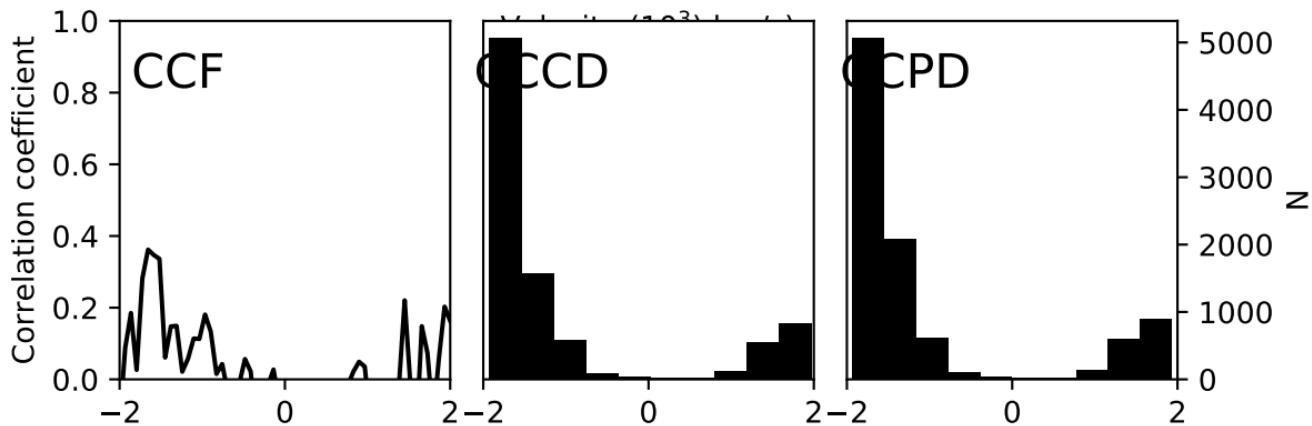
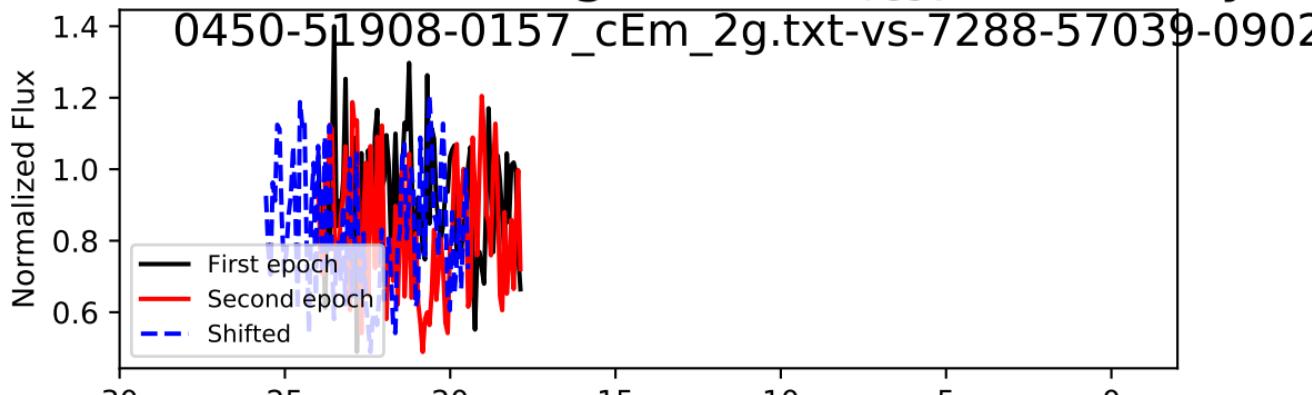
-1449.0 + 2313.0 - 276.0 km/s, Accel: -6.972+ 11.129 - 1.328

spectrum i = 61, Trough 1/1,  $\Delta t_{\text{rest}} = 4.138$  years



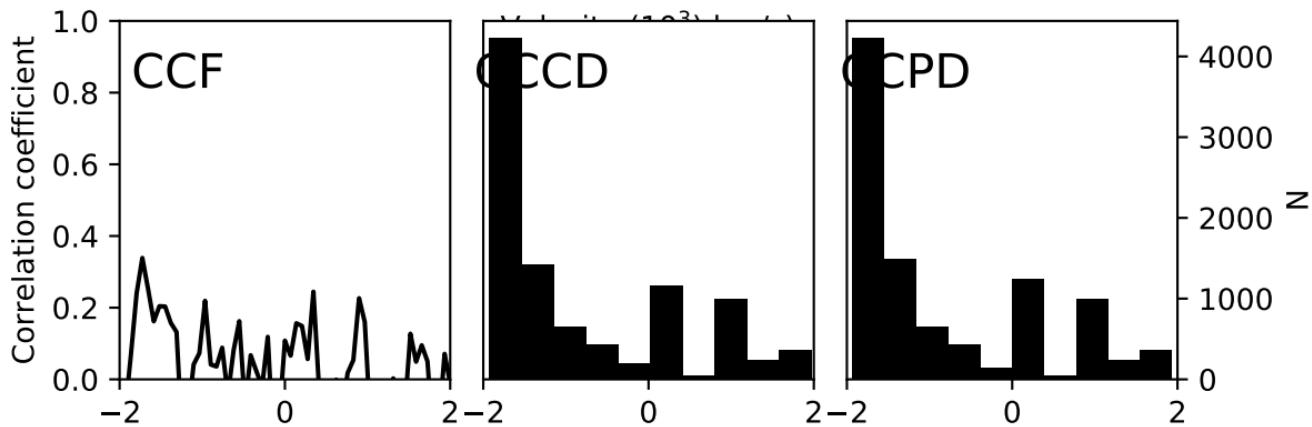
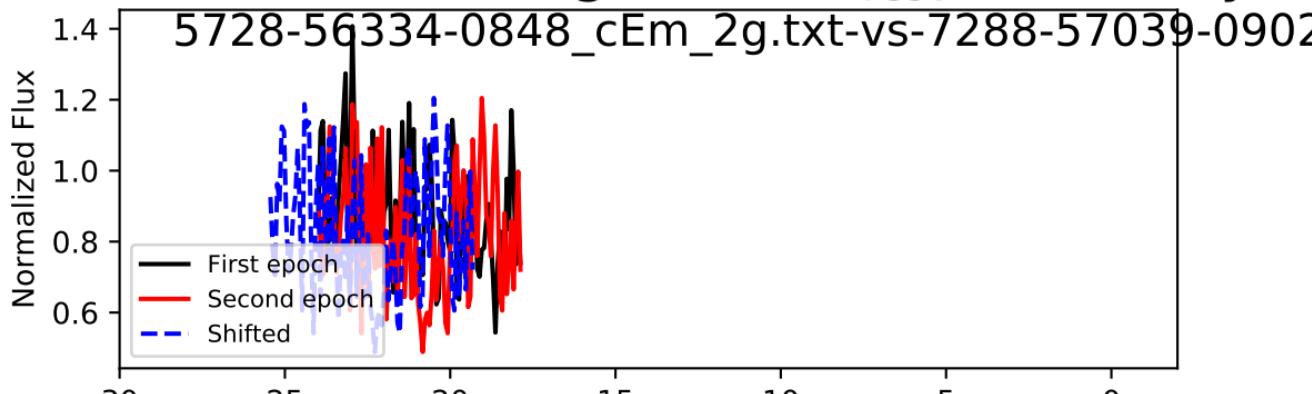
-690.0 + 1311.0 - 1035.0 km/s, Accel: -0.529+ 1.005 - 0.793

spectrum i = 61, Trough 1/1,  $\Delta t_{\text{rest}} = 4.797$  years



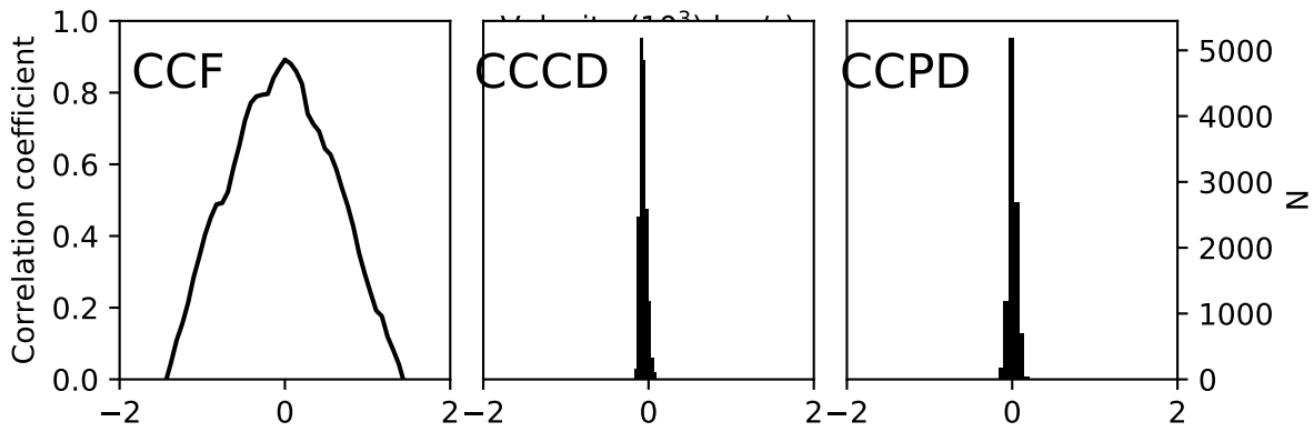
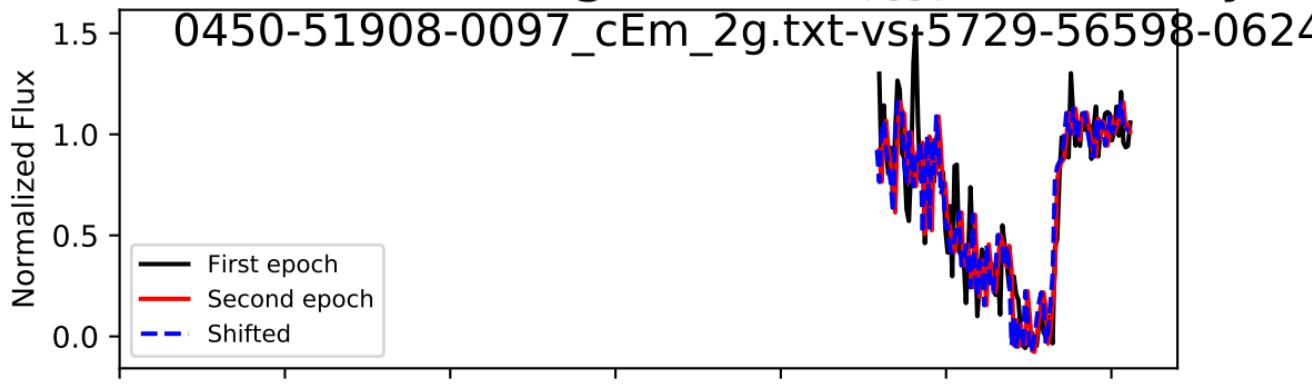
-1584.8 + 2550.8 - 104.5 km/s, Accel: -1.048+ 1.686 - 0.069

spectrum  $i = 61$ , Trough 1/1,  $\Delta t_{\text{rest}} = 0.659$  years



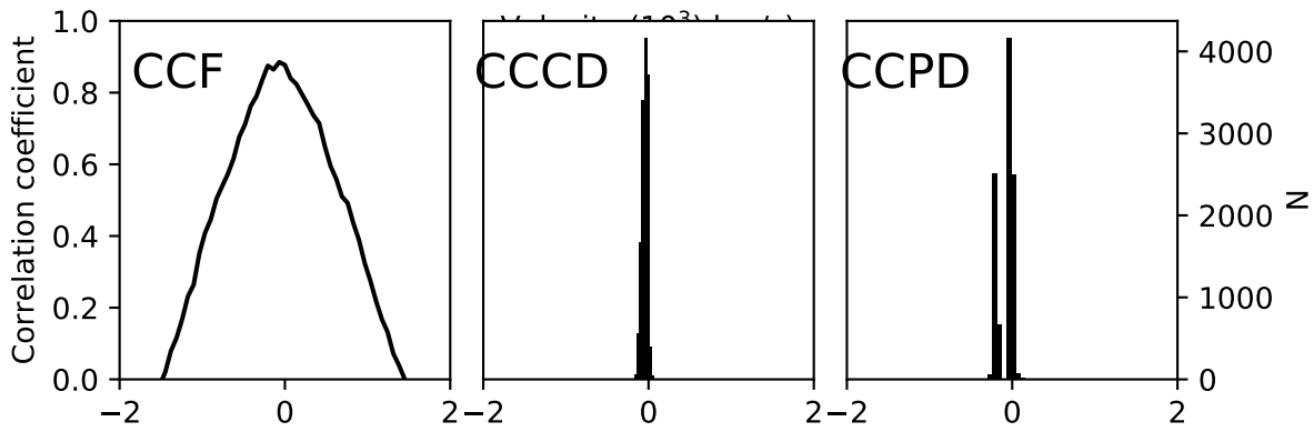
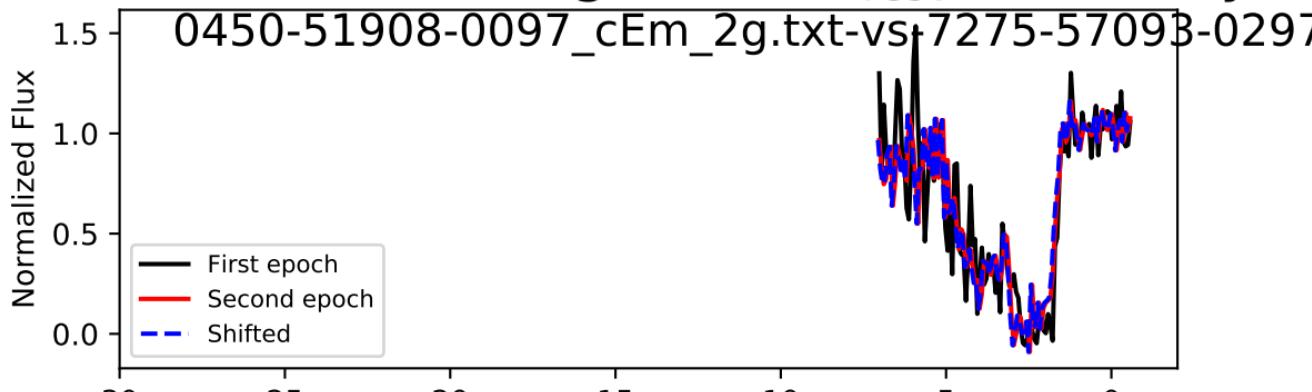
-1449.0 + 2312.9 - 276.0 km/s, Accel: -6.972+ 11.129 - 1.328

spectrum i = 62, Trough 0/0,  $\Delta t_{\text{rest}} = 4.727$  years

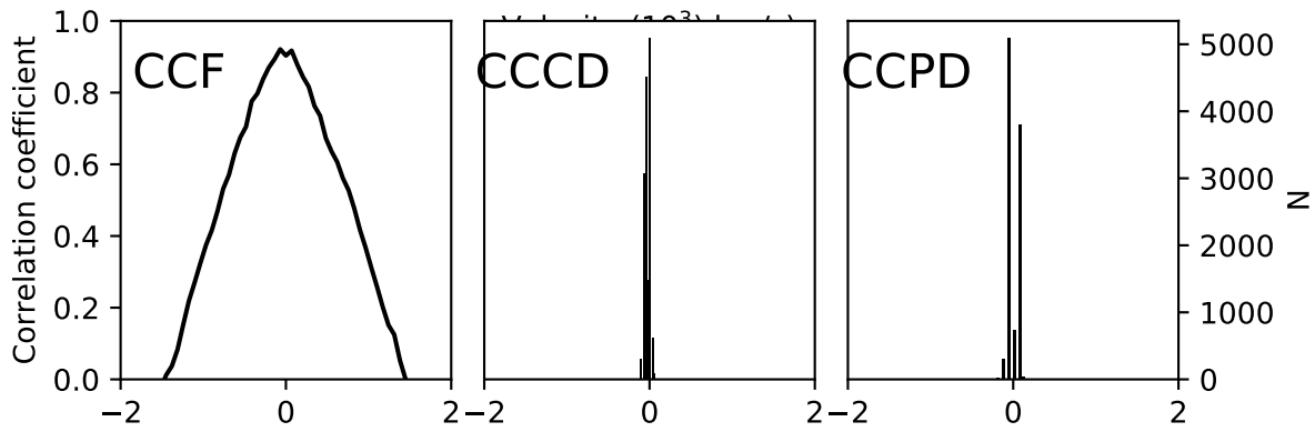
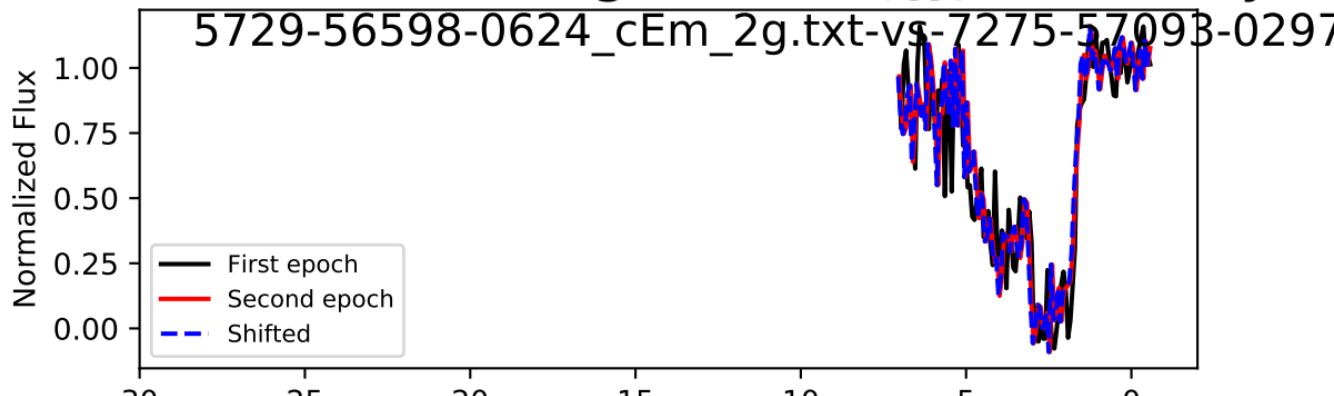


ft: -67.8 + 36.0 - 34.4 km/s, Accel: -0.045+ 0.024 - 0.023 cm

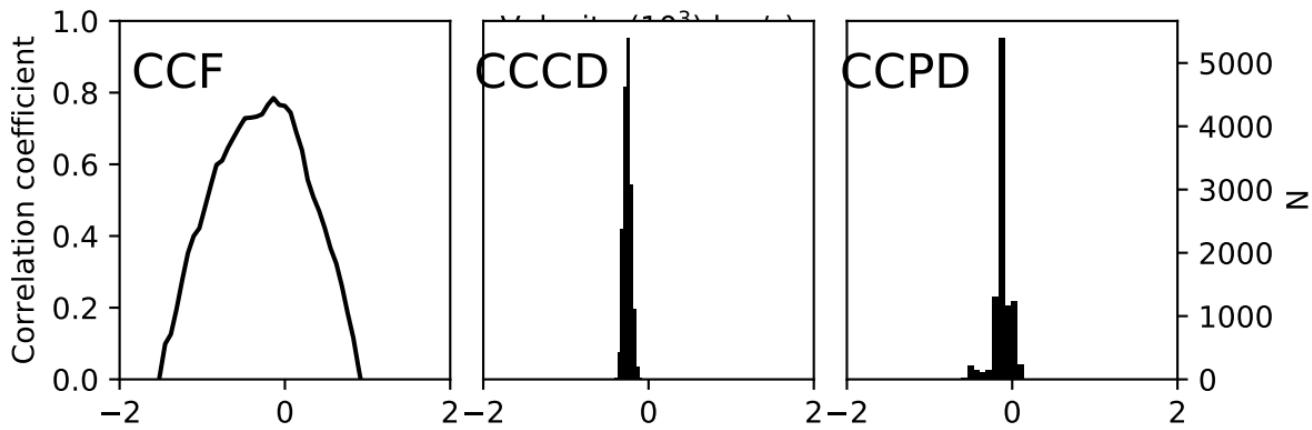
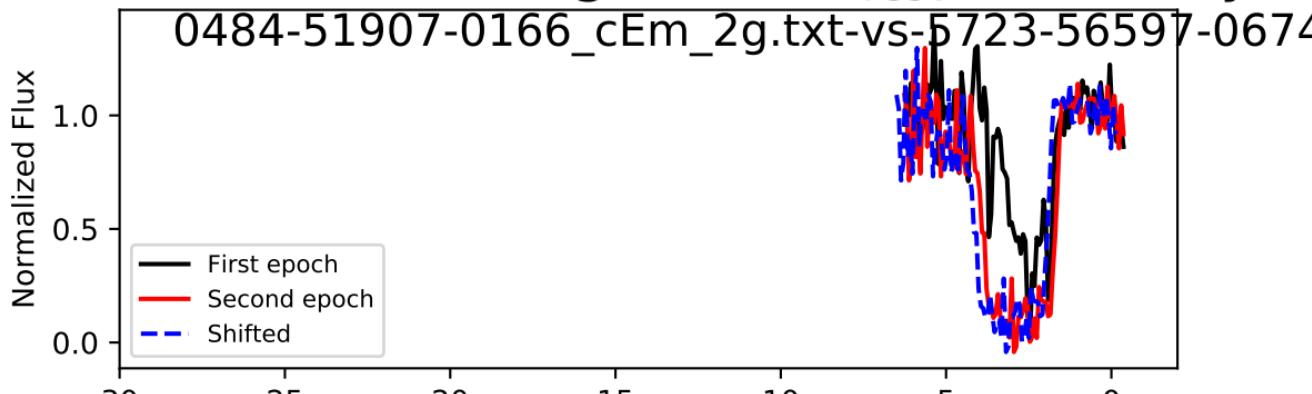
spectrum  $i = 62$ , Trough 0/0,  $\Delta t_{\text{rest}} = 5.226$  years



spectrum i = 62, Trough 0/0,  $\Delta t_{\text{rest}} = 0.499$  years

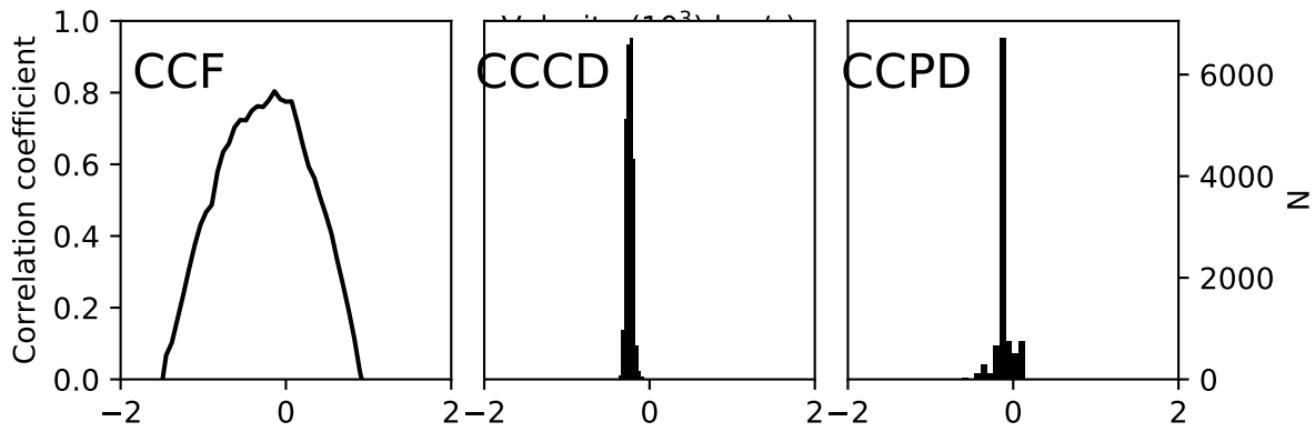
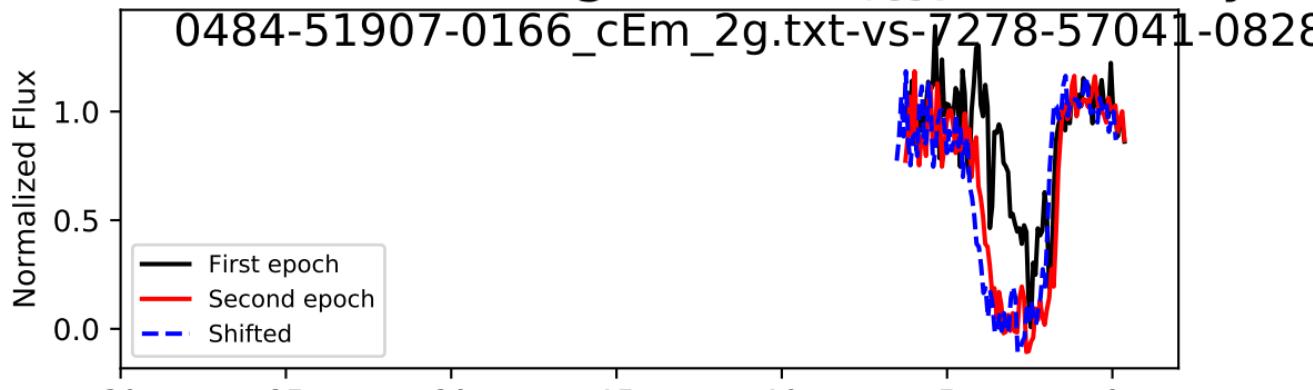


spectrum i = 63, Trough 0/0,  $\Delta t_{\text{rest}} = 4.737$  years



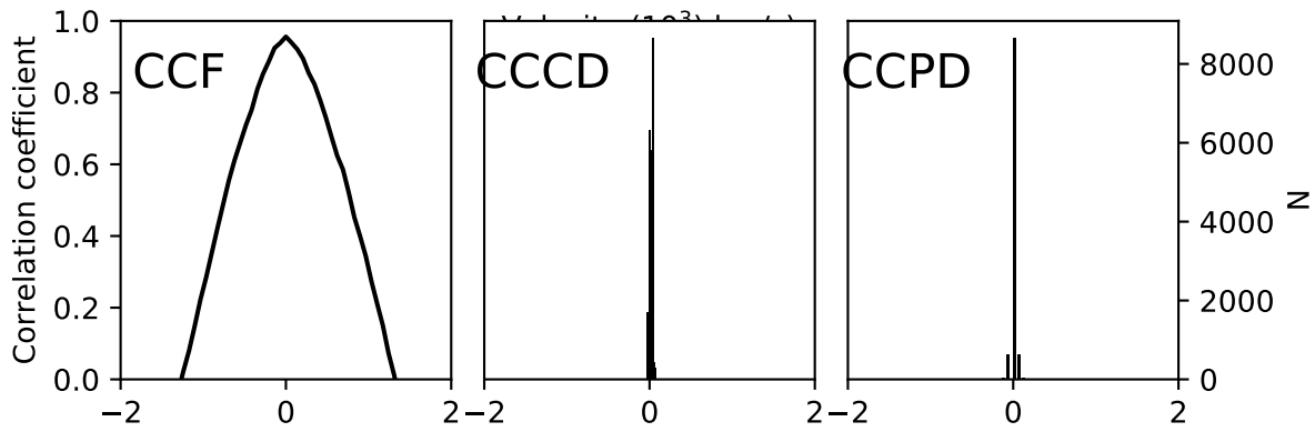
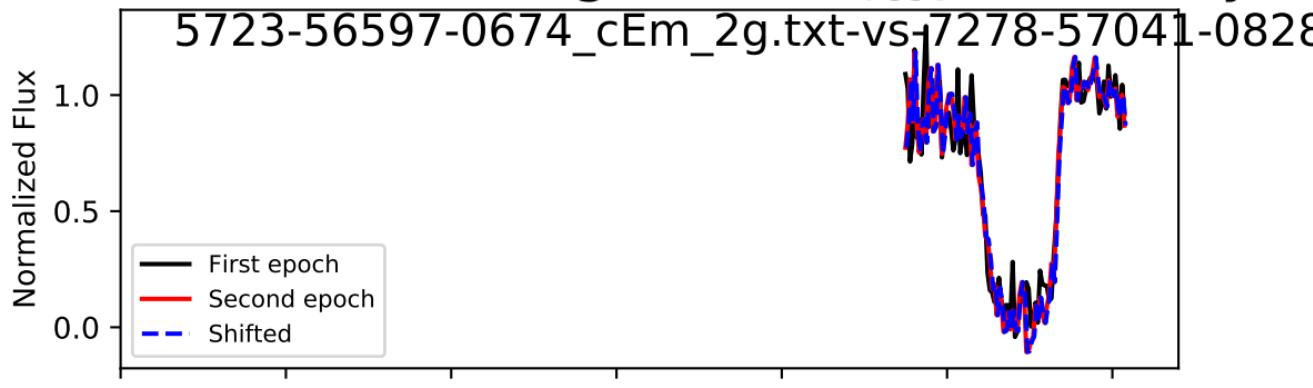
t: -240.0 + 36.8 - 64.1 km/s, Accel: -0.161+ 0.025 - 0.043 cm/s<sup>2</sup>

spectrum  $i = 63$ , Trough 0/0,  $\Delta t_{\text{rest}} = 5.185$  years



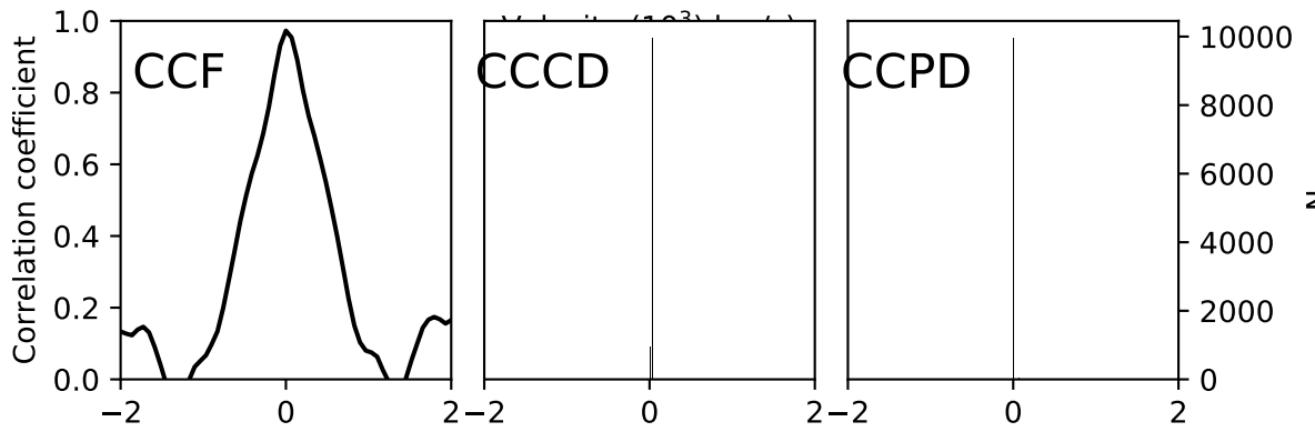
t: -263.2 + 59.4 - 39.1 km/s, Accel: -0.161+ 0.036 - 0.024 cm/s<sup>2</sup>

spectrum i = 63, Trough 0/0,  $\Delta t_{\text{rest}} = 0.448$  years



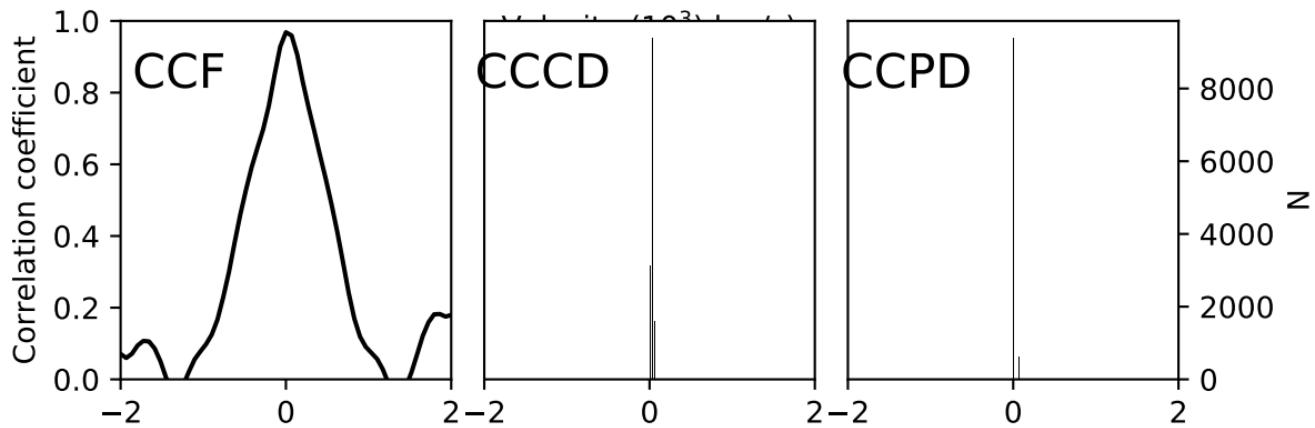
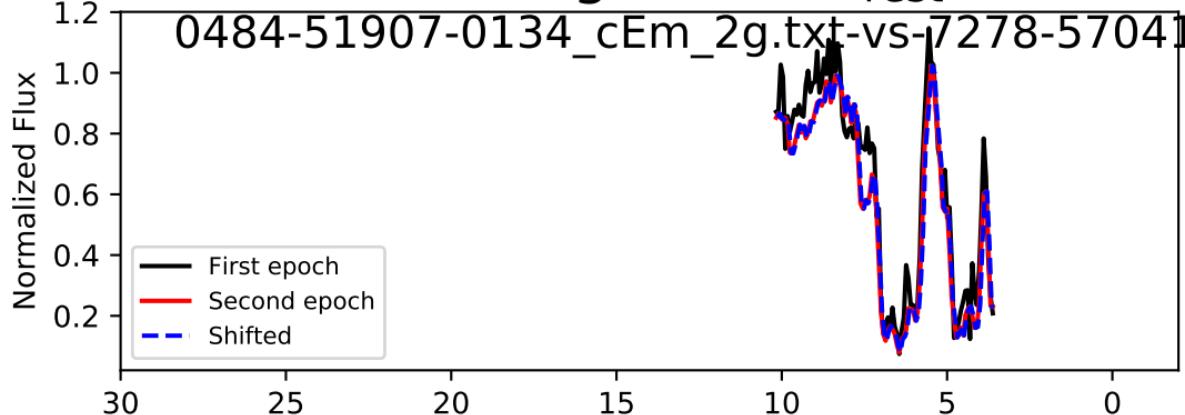
Shift: 30.8 + 2.5 - 31.8 km/s, Accel: 0.218+ 0.018 - 0.225 cm

spectrum i = 64, Trough 0/1,  $\Delta t_{\text{rest}} = 3.981$  years

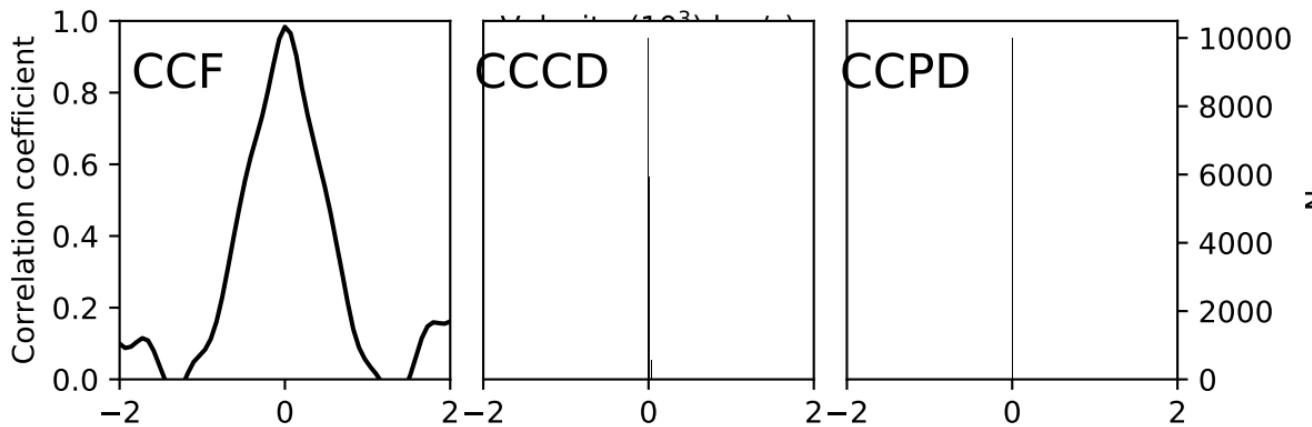
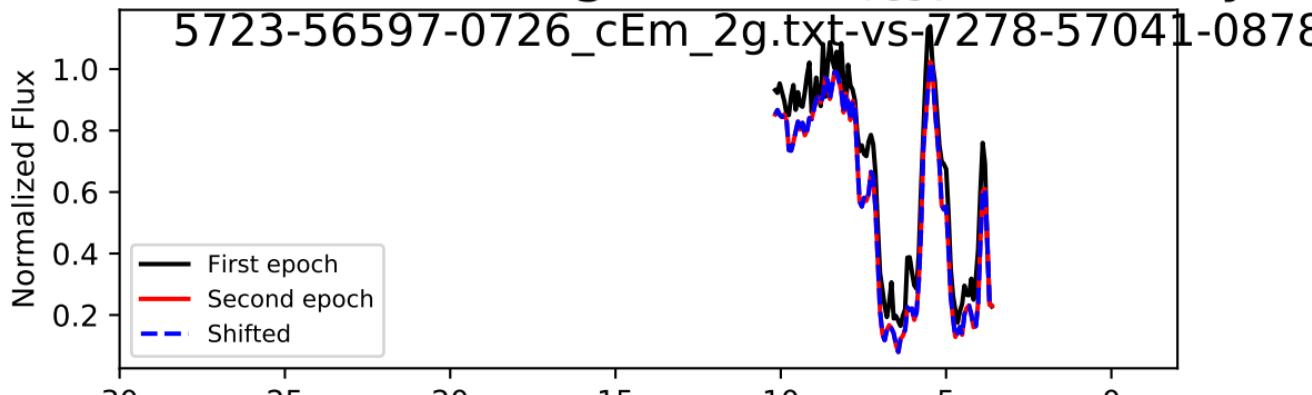


shift: 32.1 + 0.8 - 1.0 km/s, Accel: 0.026+ 0.001 - 0.001 cm

spectrum i = 64, Trough 0/1,  $\Delta t_{\text{rest}} = 4.358$  years

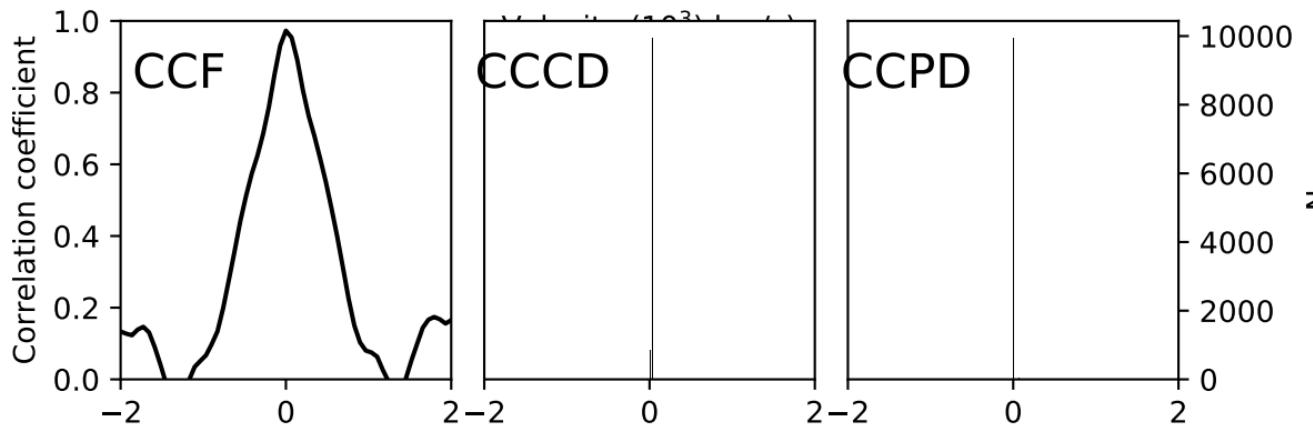
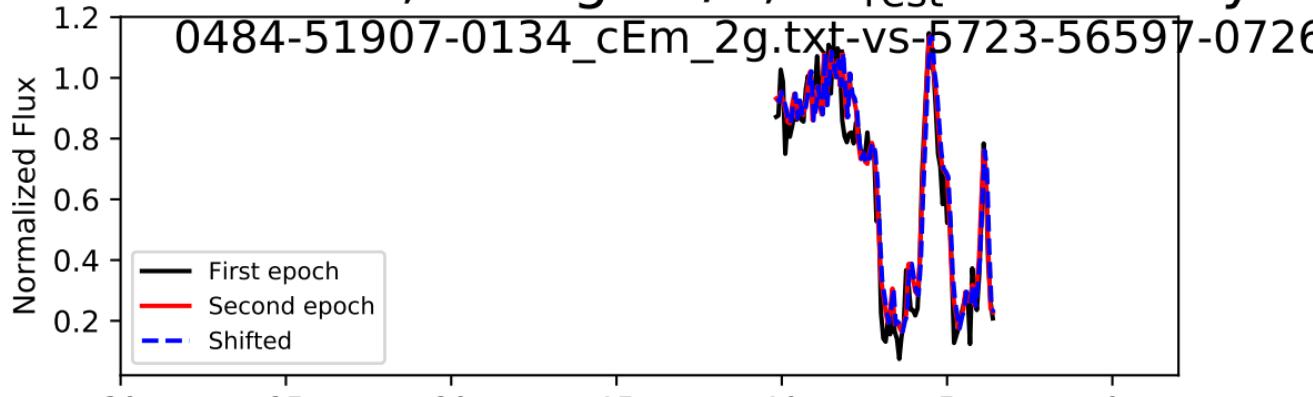


spectrum i = 64, Trough 0/1,  $\Delta t_{\text{rest}} = 0.377$  year

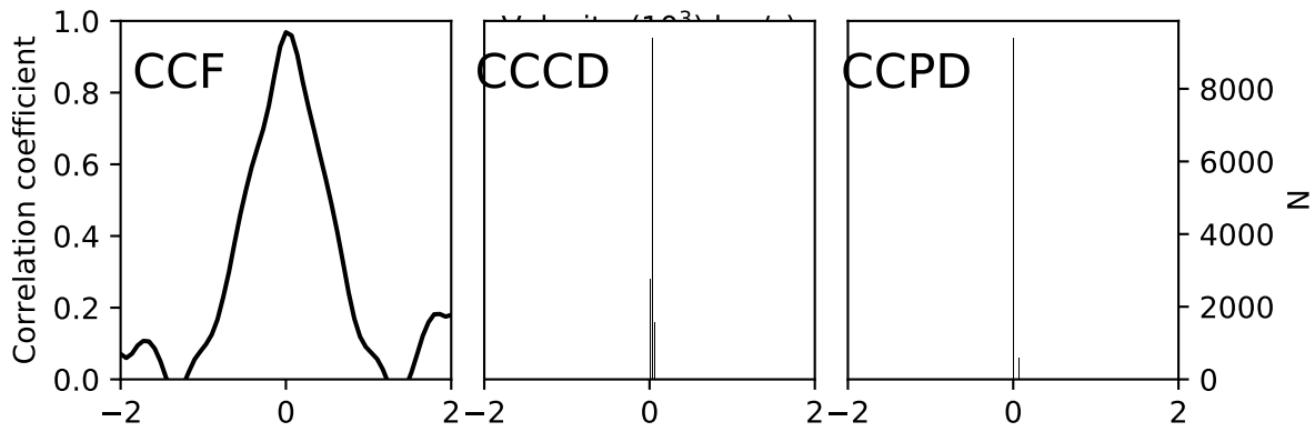
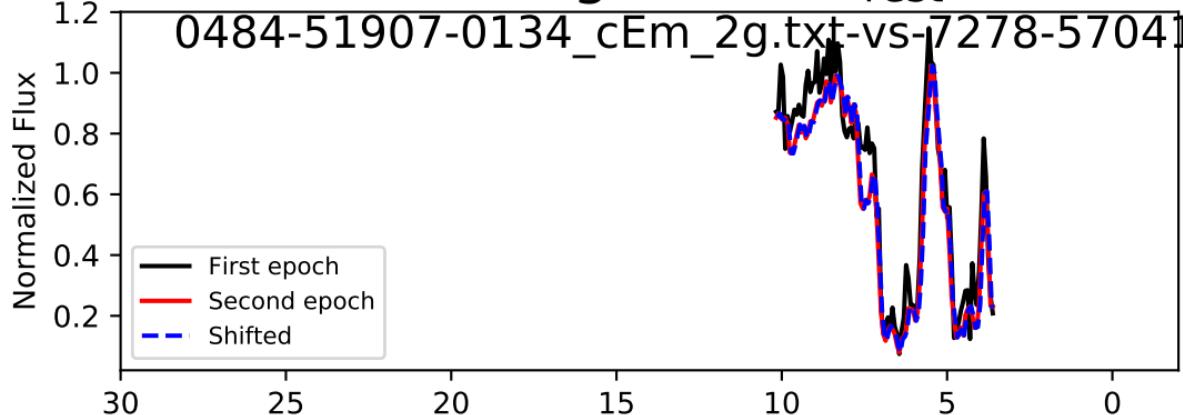


shift: 1.0 + 0.8 - 0.7 km/s, Accel: 0.009+ 0.006 - 0.006 cm

spectrum i = 64, Trough 1/1,  $\Delta t_{\text{rest}} = 3.981$  years

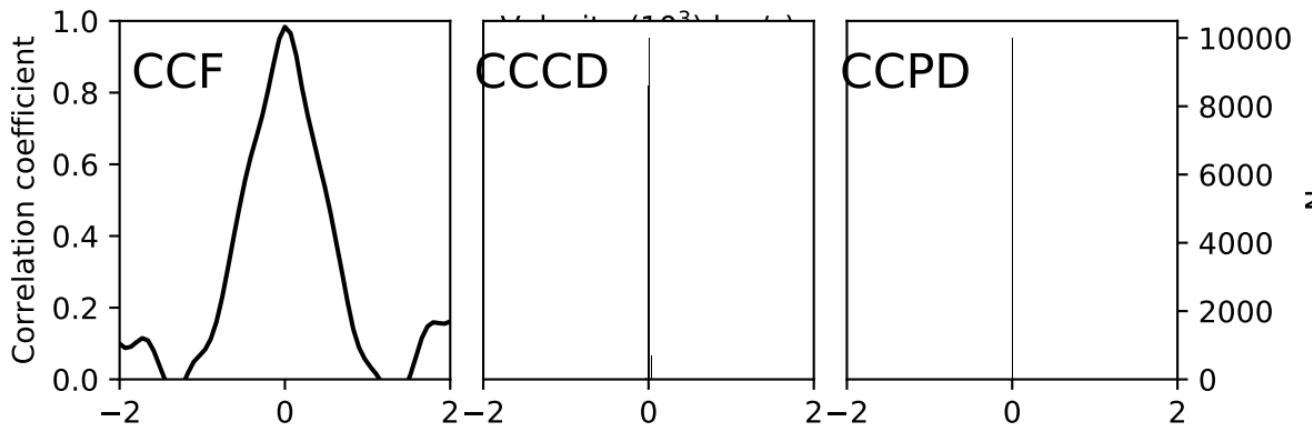
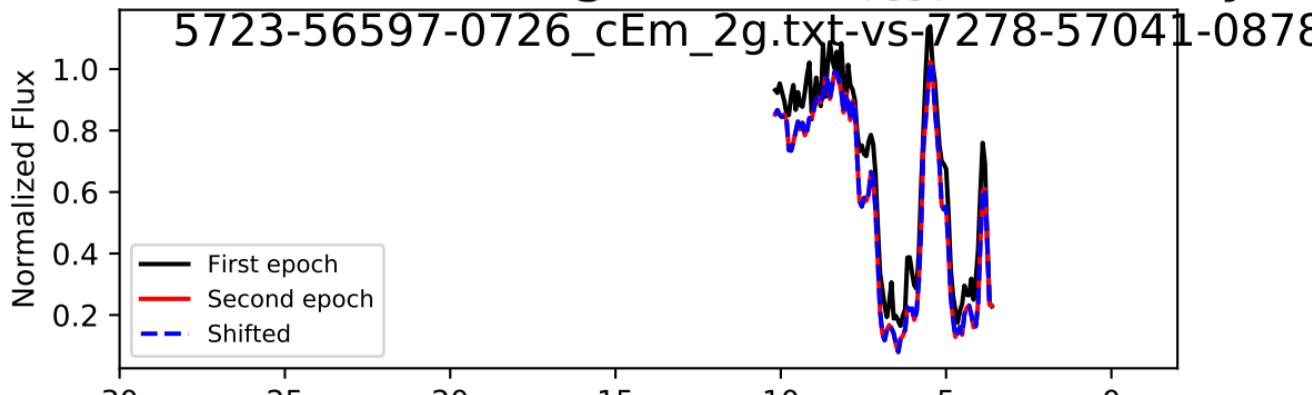


spectrum i = 64, Trough 1/1,  $\Delta t_{\text{rest}} = 4.358$  years



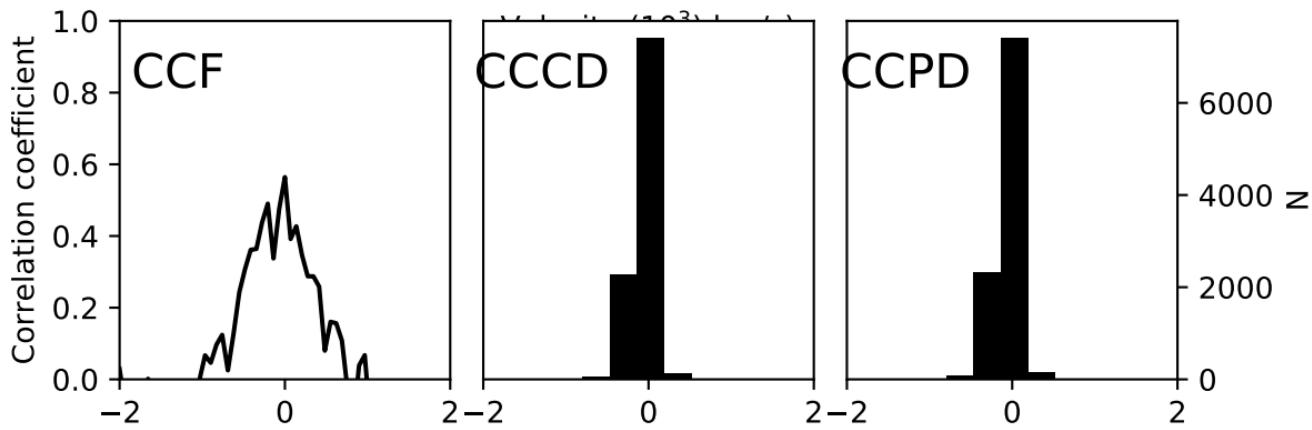
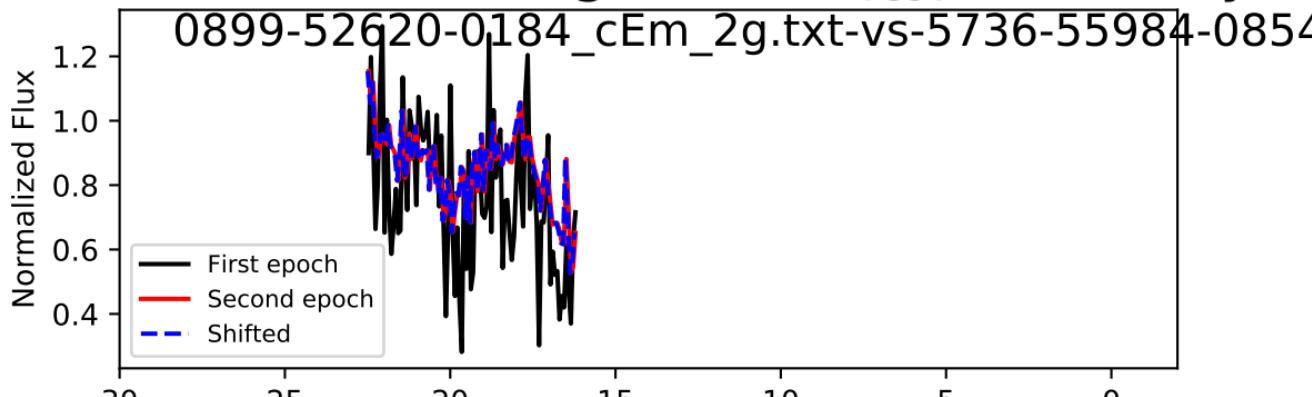
shift: 33.3 + 0.9 - 1.2 km/s, Accel: 0.024+ 0.001 - 0.001 cm

spectrum i = 64, Trough 1/1,  $\Delta t_{\text{rest}} = 0.377$  years

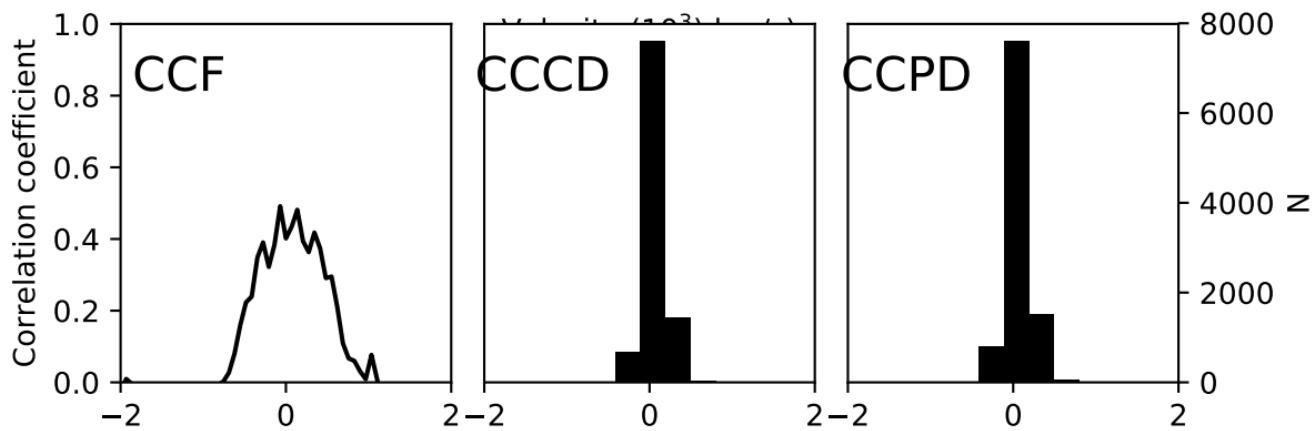
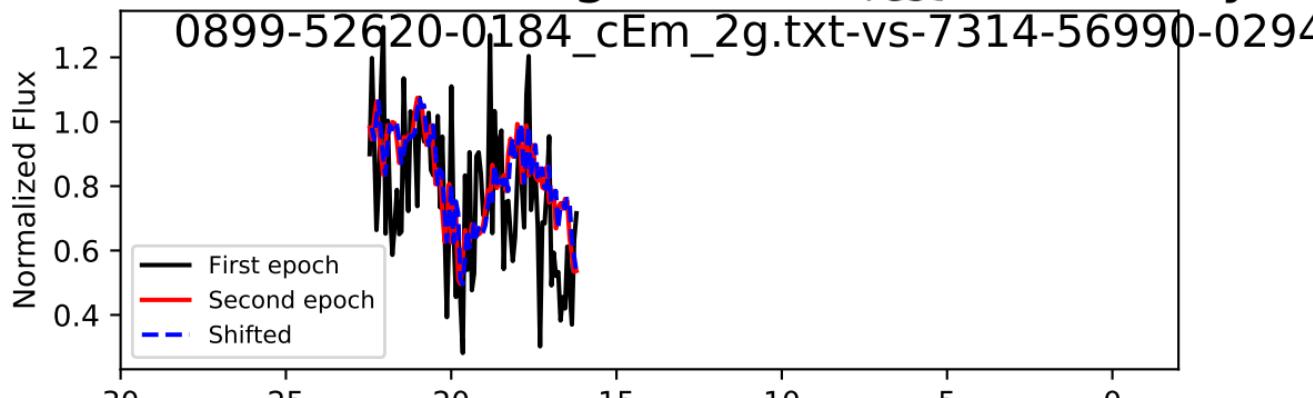


shift: 1.0 + 0.8 - 0.7 km/s, Accel: 0.009+ 0.006 - 0.006 cm

spectrum i = 65, Trough 0/1,  $\Delta t_{\text{rest}} = 2.446$  years

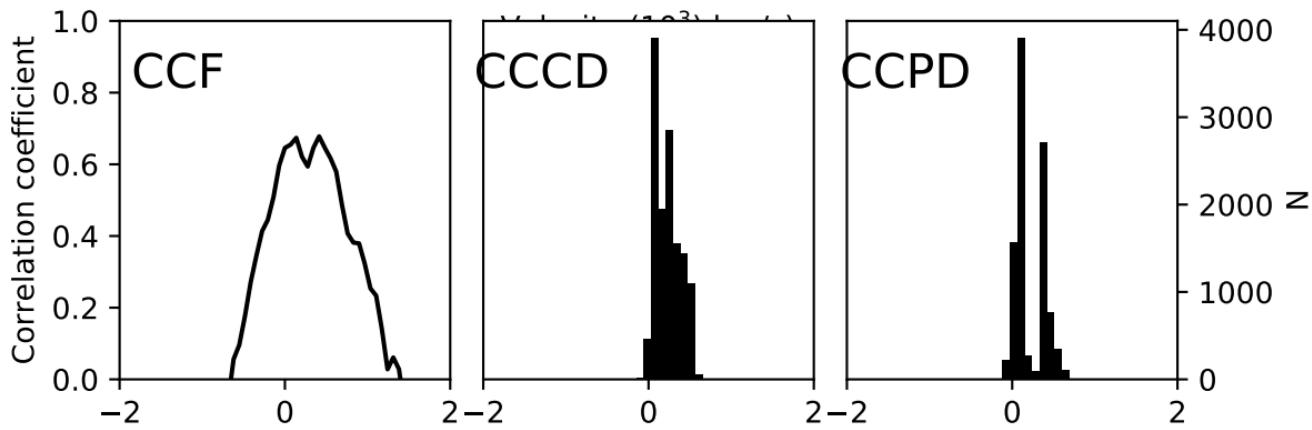
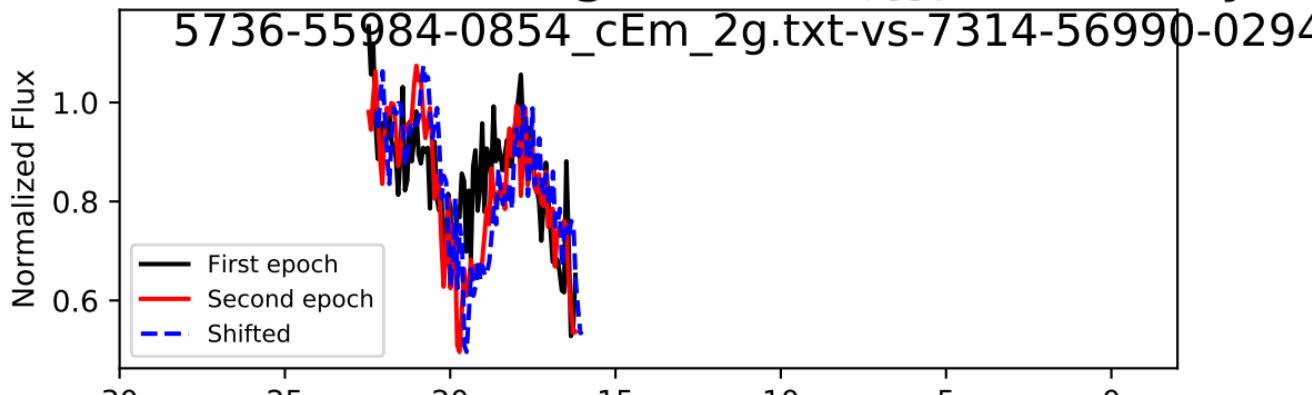


spectrum i = 65, Trough 0/1,  $\Delta t_{\text{rest}} = 3.178$  years



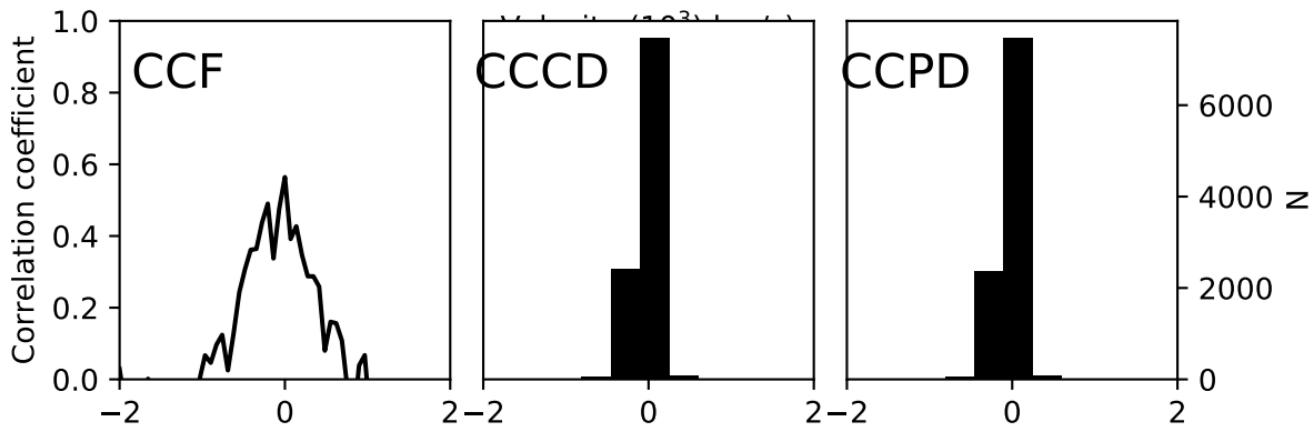
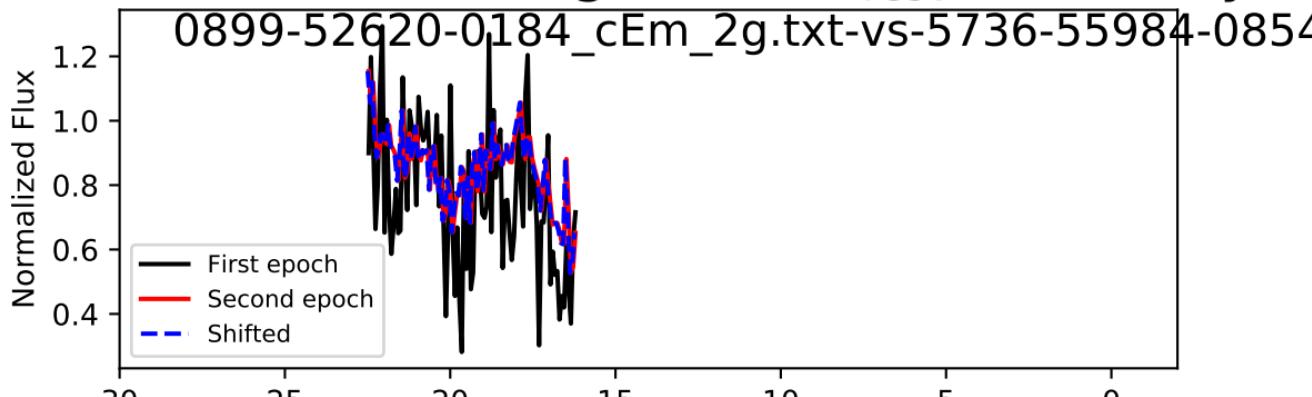
ft: 64.7 + 109.3 - 133.7 km/s, Accel: 0.065+ 0.109 - 0.133 cm/s<sup>2</sup>

spectrum i = 65, Trough 0/1,  $\Delta t_{\text{rest}} = 0.732$  years



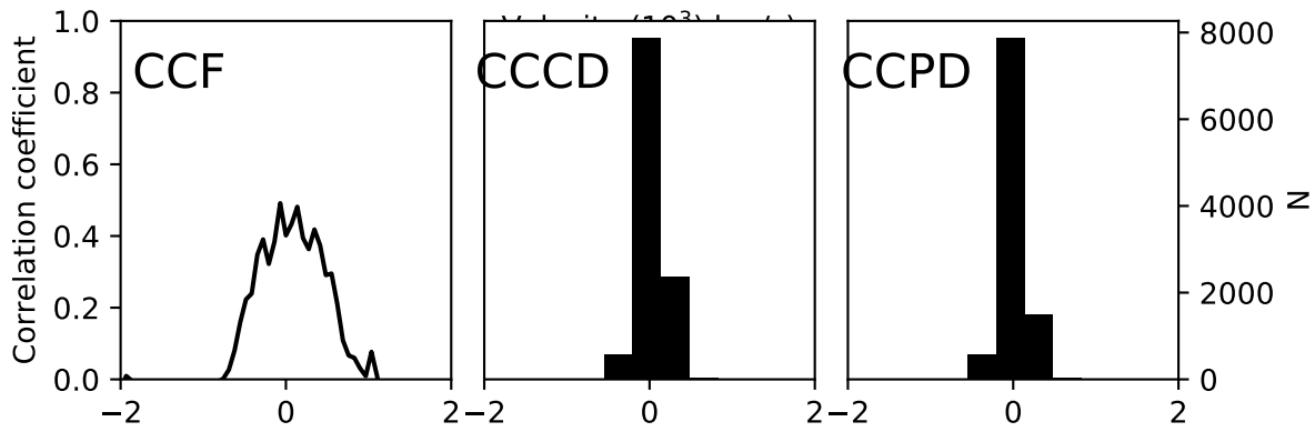
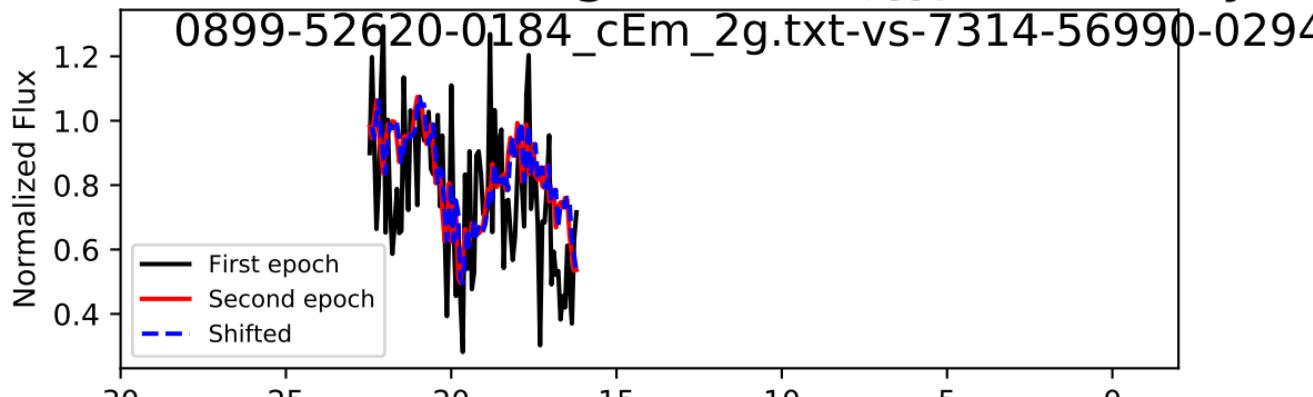
ft: 214.5 + 201.4 - 147.2 km/s, Accel: 0.930+ 0.873 - 0.638 cm/s<sup>2</sup>

spectrum i = 65, Trough 1/1,  $\Delta t_{\text{rest}} = 2.446$  years



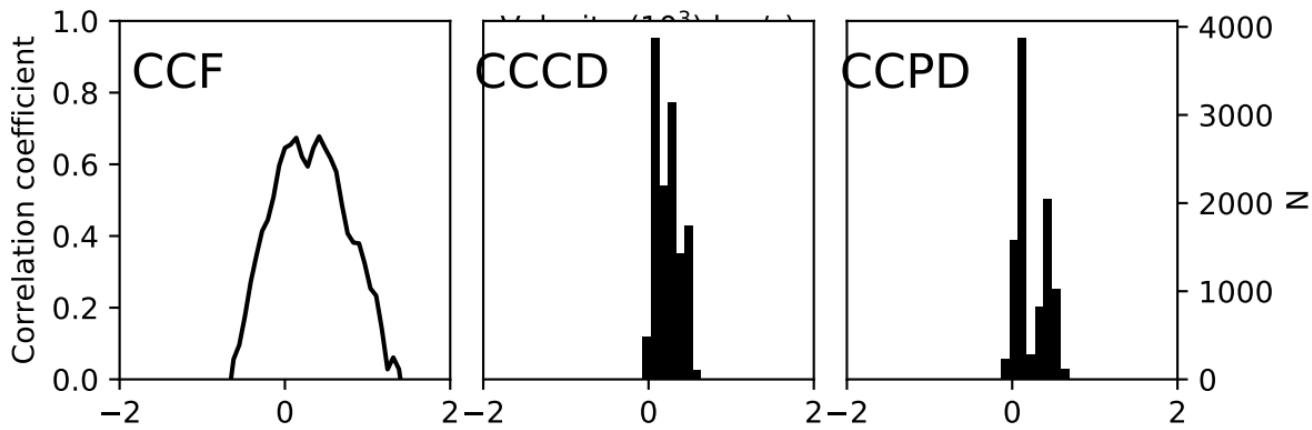
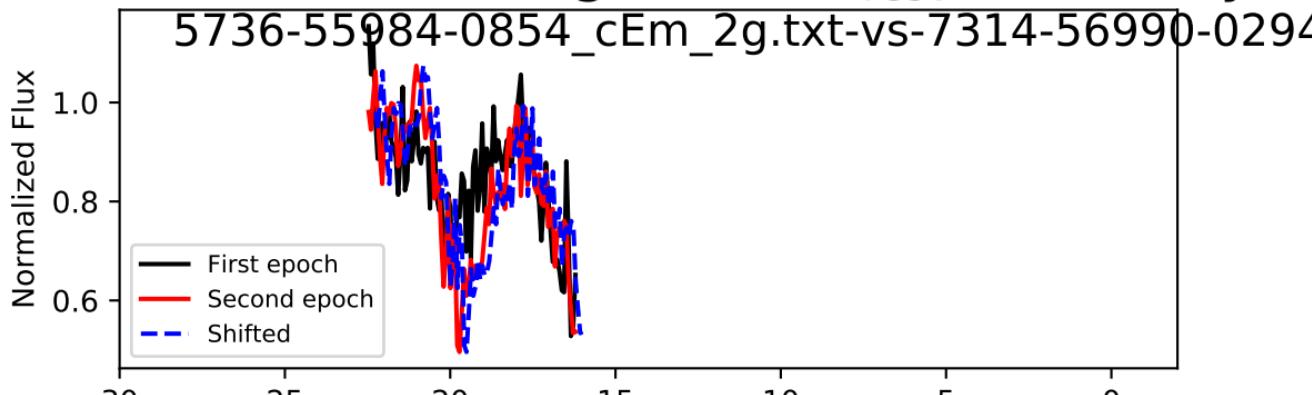
ft:  $-31.2 + 33.8 - 175.8$  km/s, Accel:  $-0.040 + 0.044 - 0.228$  cm/s<sup>2</sup>

spectrum i = 65, Trough 1/1,  $\Delta t_{\text{rest}} = 3.178$  years



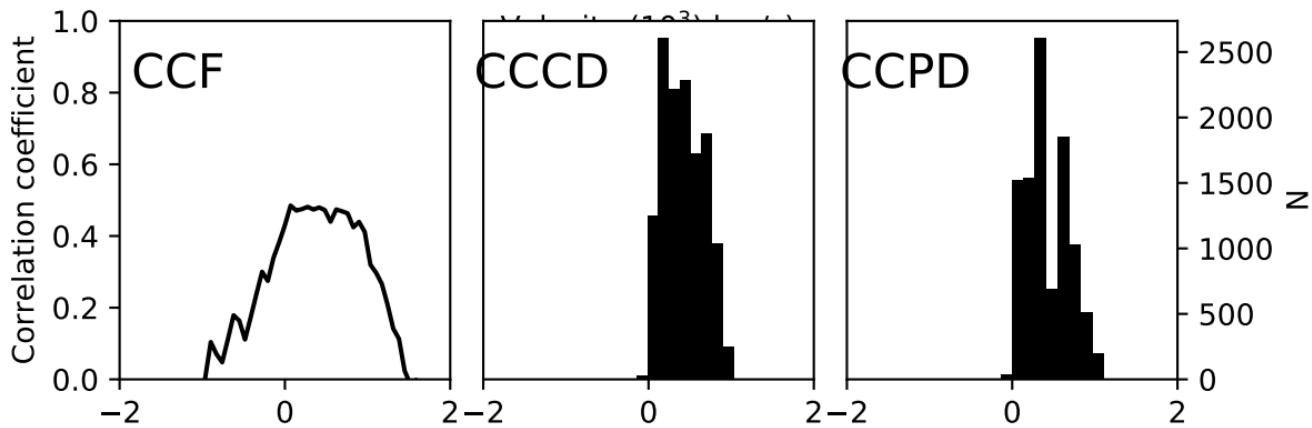
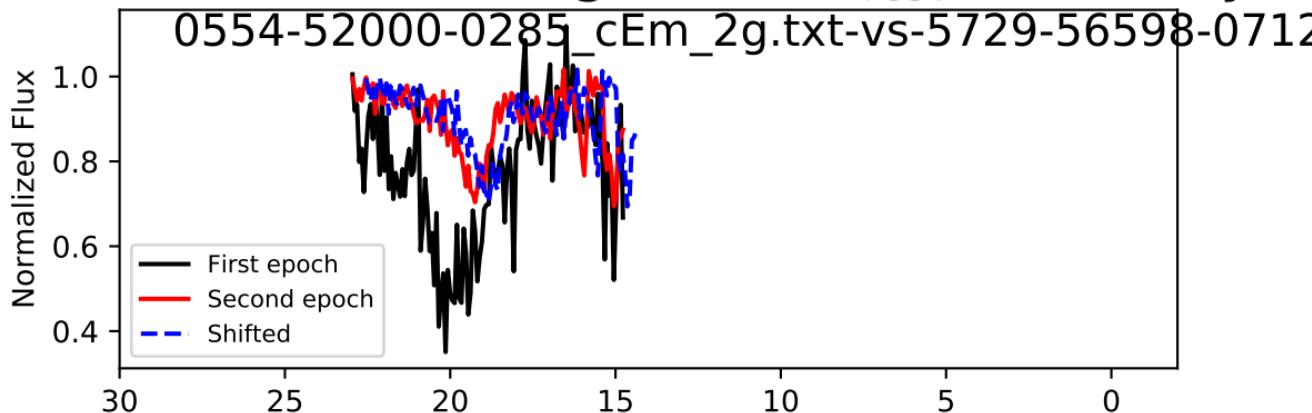
ft: 64.1 + 108.9 - 133.1 km/s, Accel: 0.064+ 0.109 - 0.133 cm/s<sup>2</sup>

spectrum i = 65, Trough 1/1,  $\Delta t_{\text{rest}} = 0.732$  years



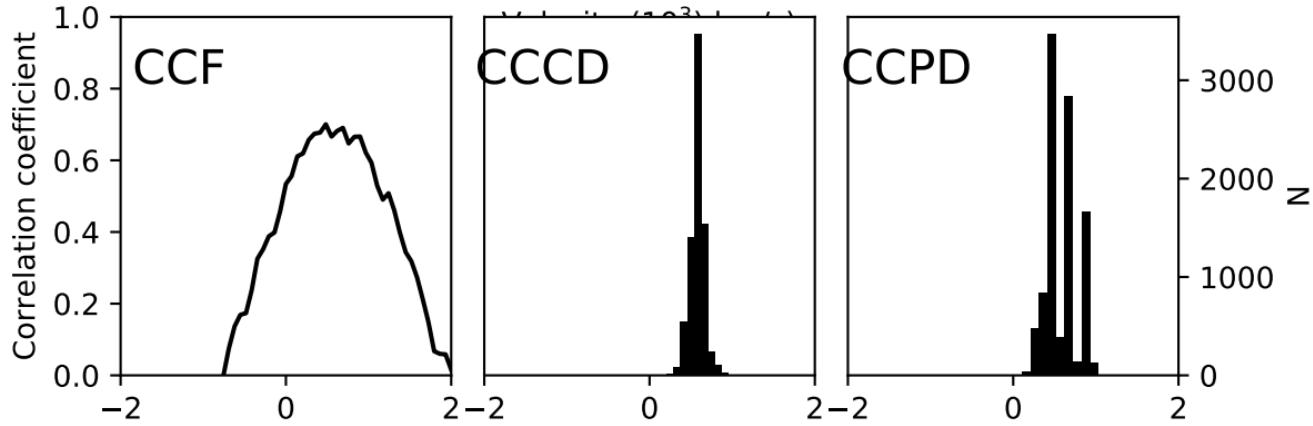
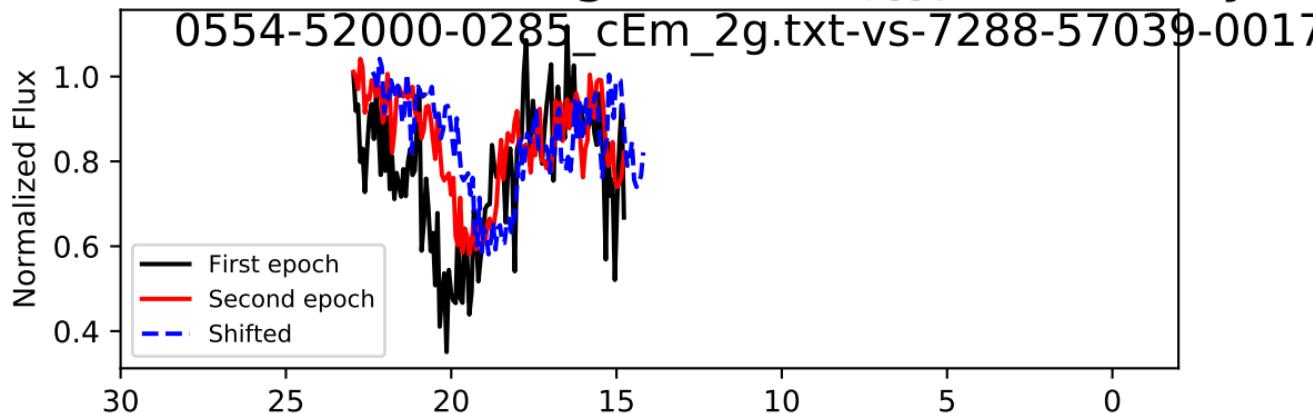
ft: 212.3 + 202.9 - 145.3 km/s, Accel: 0.920+ 0.879 - 0.630 cm/s<sup>2</sup>

spectrum i = 67, Trough 0/0,  $\Delta t_{\text{rest}} = 3.723$  years



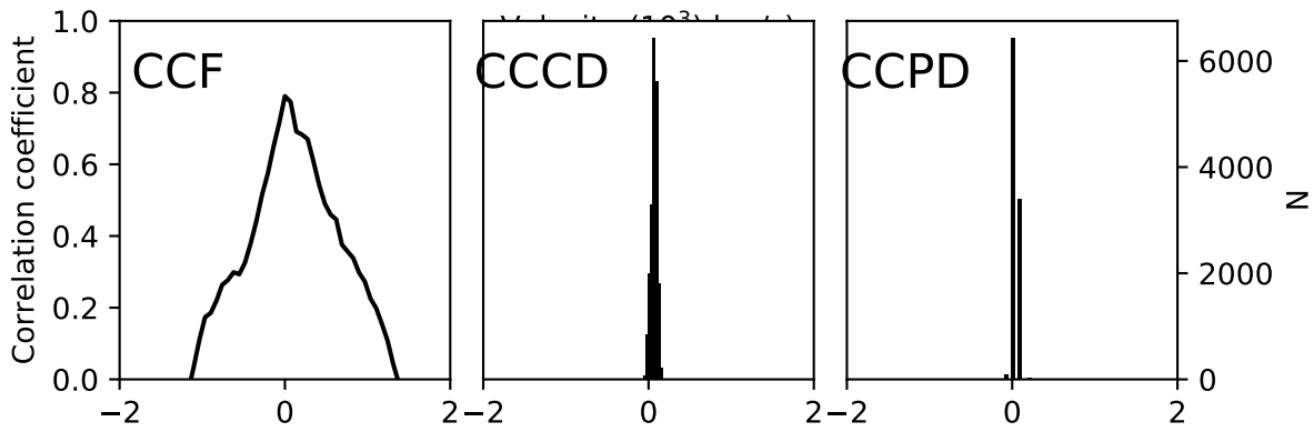
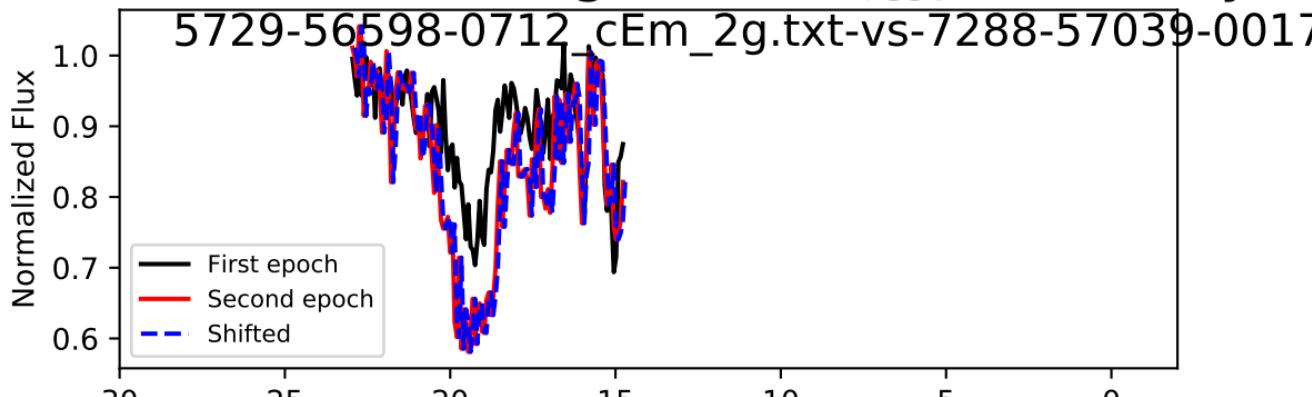
ft: 407.8 + 310.9 - 235.8 km/s, Accel: 0.347+ 0.265 - 0.201 cm/s<sup>2</sup>

spectrum i = 67, Trough 0/0,  $\Delta t_{\text{rest}} = 4.080$  years



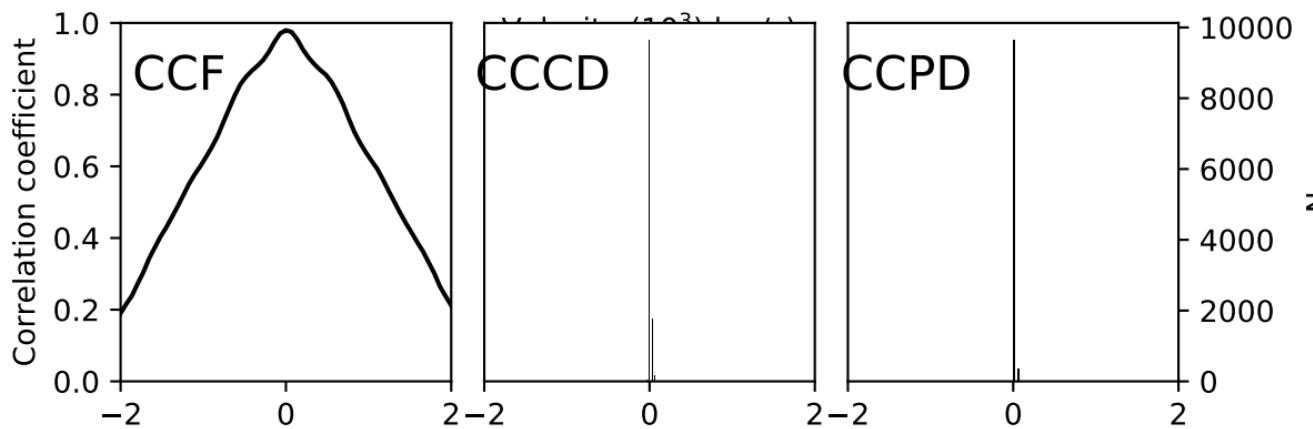
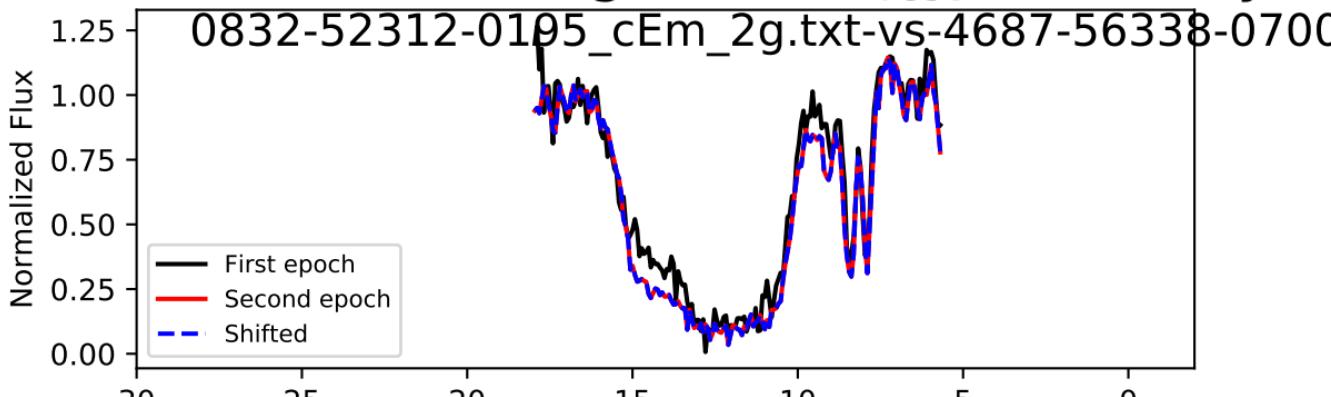
ft: 584.2 + 70.8 - 74.5 km/s, Accel: 0.454+ 0.055 - 0.058 cm/s<sup>2</sup>

spectrum i = 67, Trough 0/0,  $\Delta t_{\text{rest}} = 0.357$  years



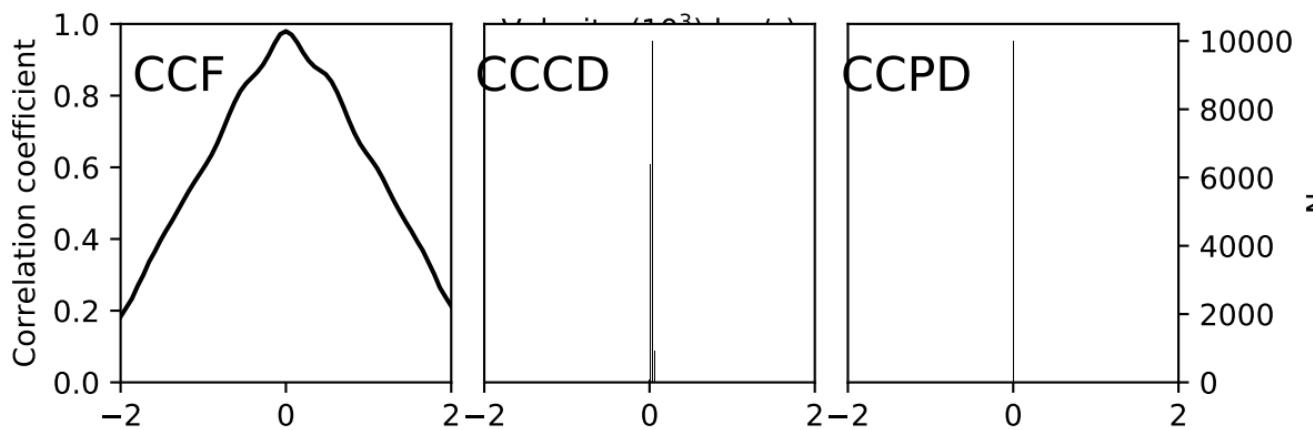
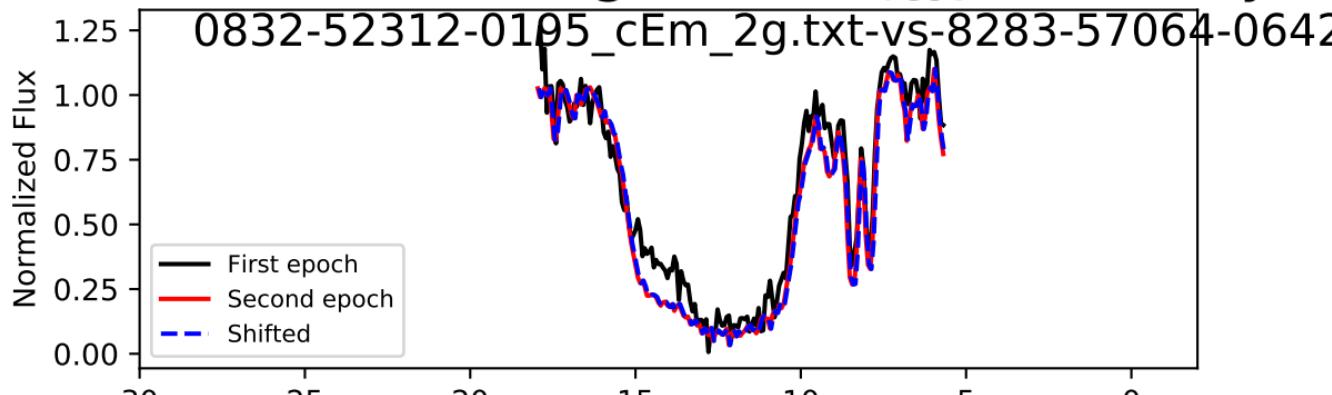
Shift:  $67.5 + 34.3 - 36.3$  km/s, Accel:  $0.599 + 0.305 - 0.322$  cm/s<sup>2</sup>

spectrum  $i = 68$ , Trough 0/1,  $\Delta t_{\text{rest}} = 2.795$  years



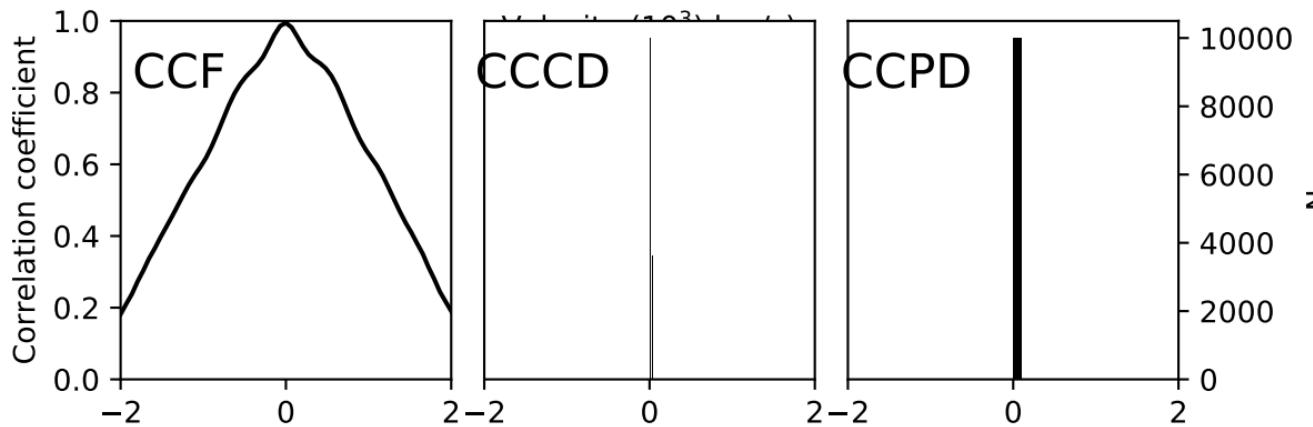
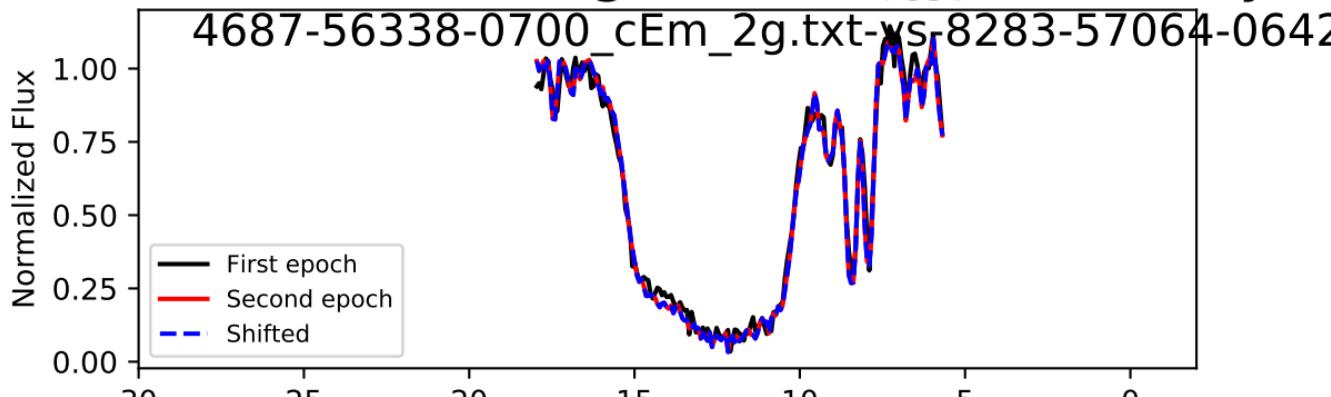
shift:  $1.2 + 30.5 - 1.7$  km/s, Accel:  $0.001 + 0.035 - 0.002$  cm

spectrum i = 68, Trough 0/1,  $\Delta t_{\text{rest}} = 3.299$  years



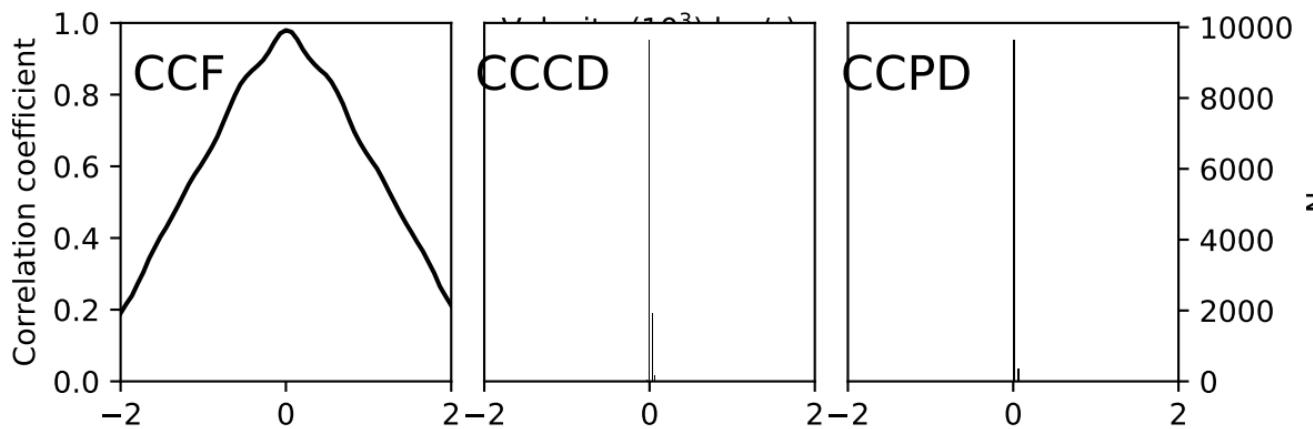
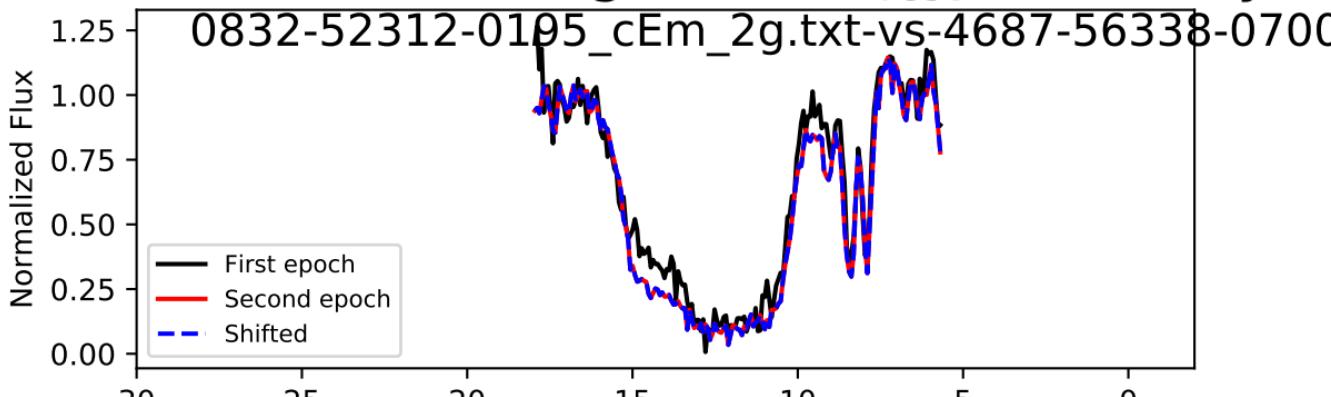
Shift:  $33.8 + 1.8 - 31.5$  km/s, Accel:  $0.032 + 0.002 - 0.030$  cm/s<sup>2</sup>

spectrum i = 68, Trough 0/1,  $\Delta t_{\text{rest}} = 0.504$  years



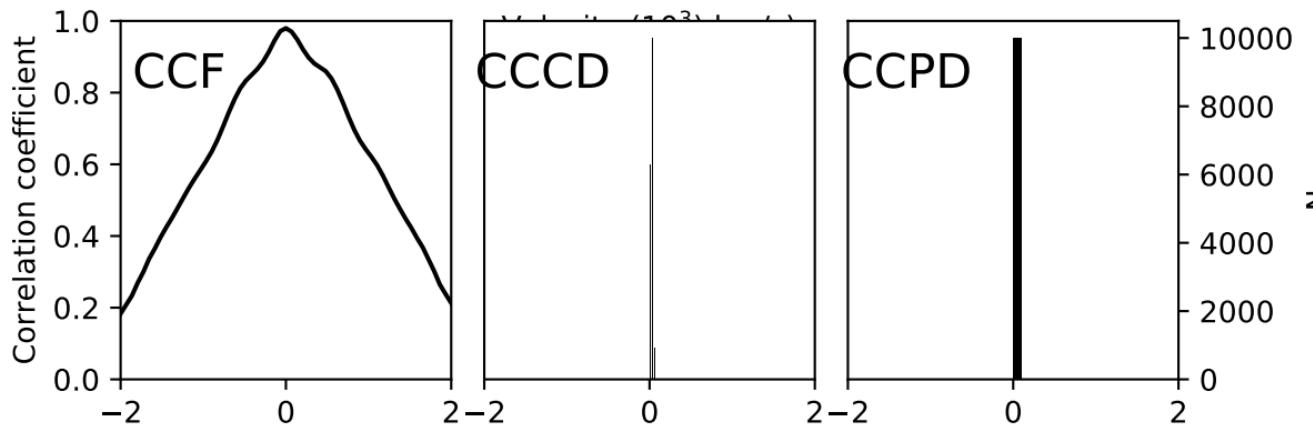
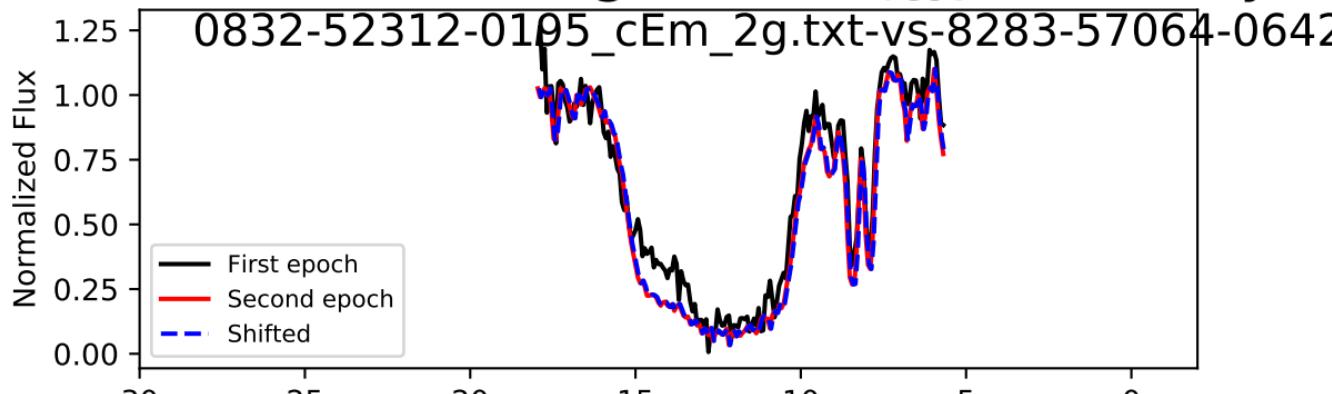
shift:  $2.9 + 31.2 - 1.1$  km/s, Accel:  $0.018 + 0.196 - 0.007$  cm

spectrum  $i = 68$ , Trough 1/1,  $\Delta t_{\text{rest}} = 2.795$  years



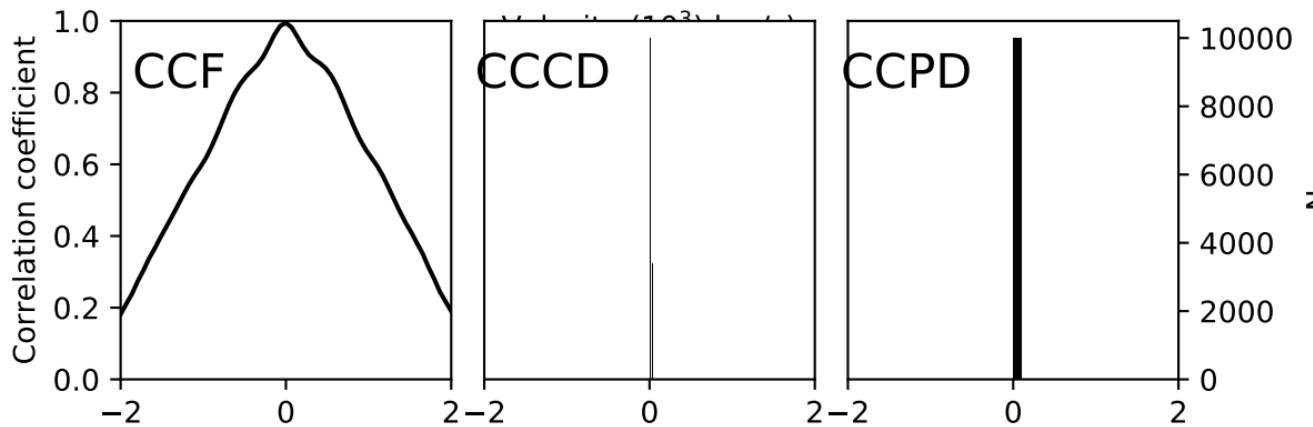
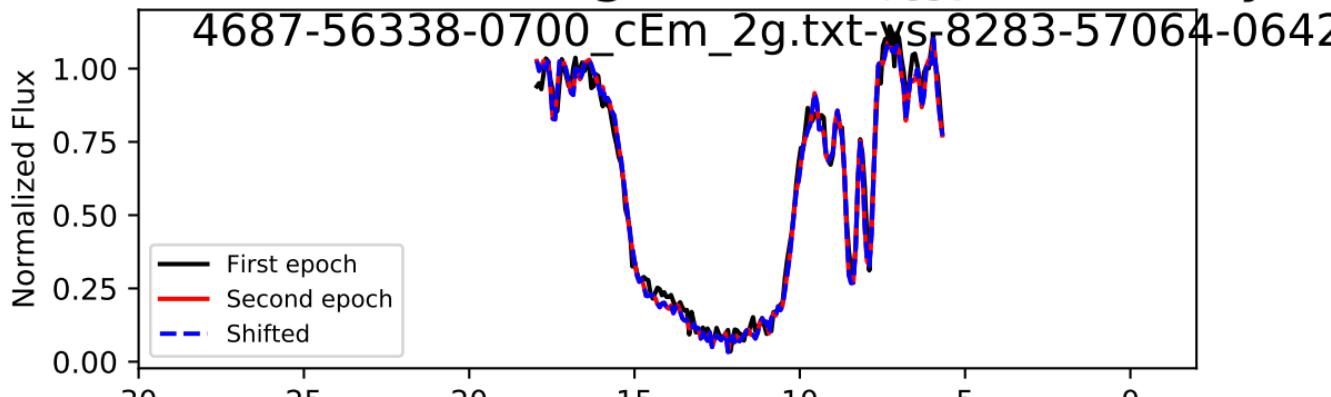
shift:  $1.3 + 30.9 - 1.7$  km/s, Accel:  $0.001 + 0.035 - 0.002$  cm

spectrum i = 68, Trough 1/1,  $\Delta t_{\text{rest}} = 3.299$  years

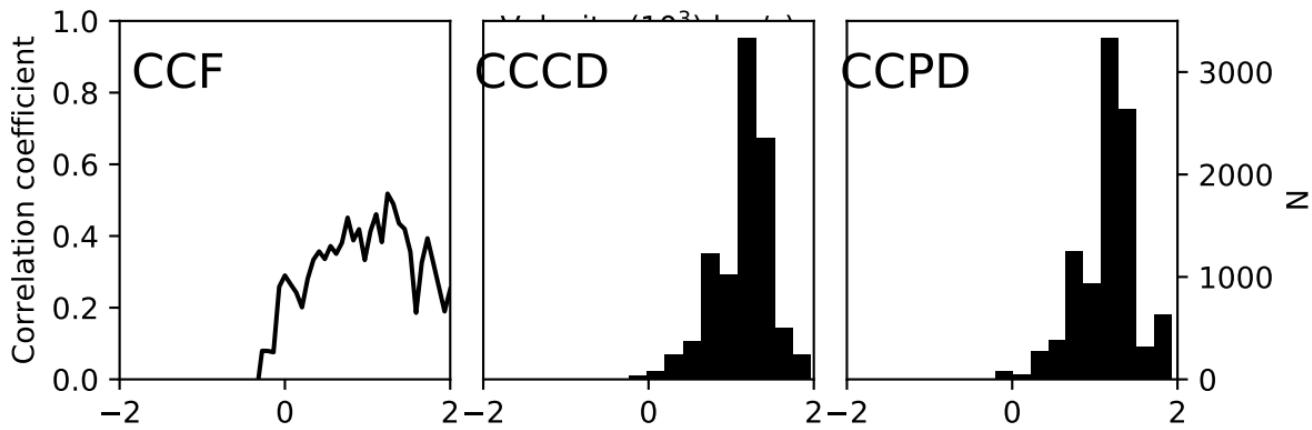
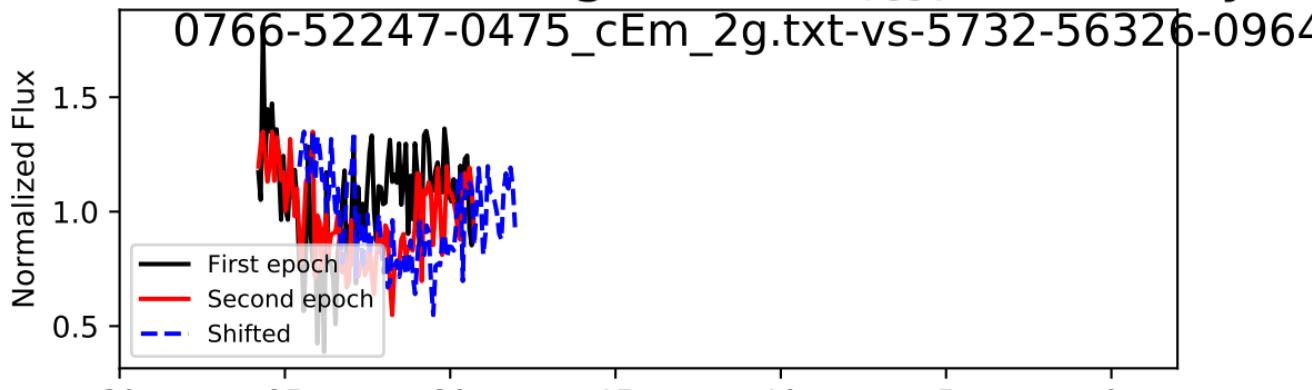


Shift:  $33.8 + 1.8 - 31.5$  km/s, Accel:  $0.032 + 0.002 - 0.030$  cm/s<sup>2</sup>

spectrum i = 68, Trough 1/1,  $\Delta t_{\text{rest}} = 0.504$  years

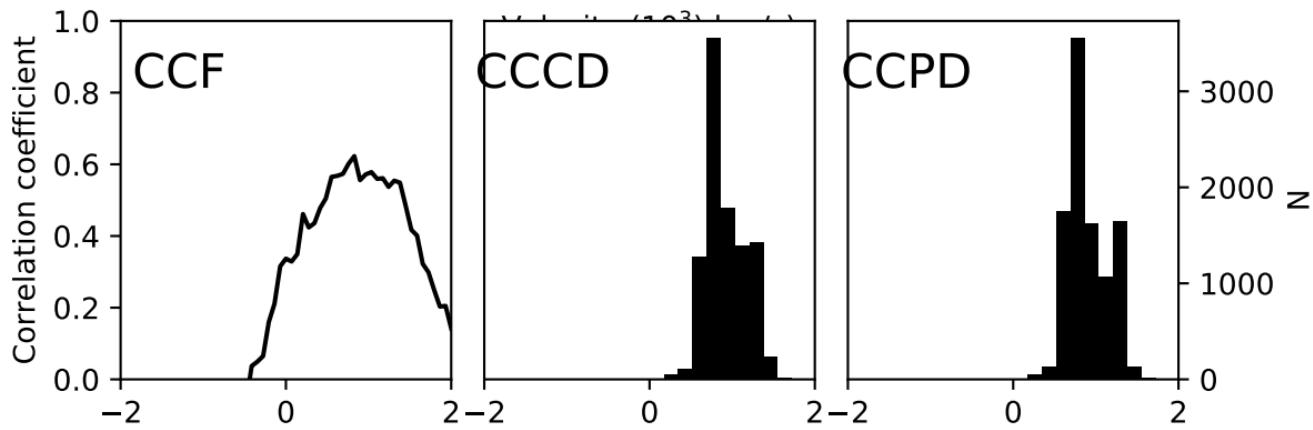
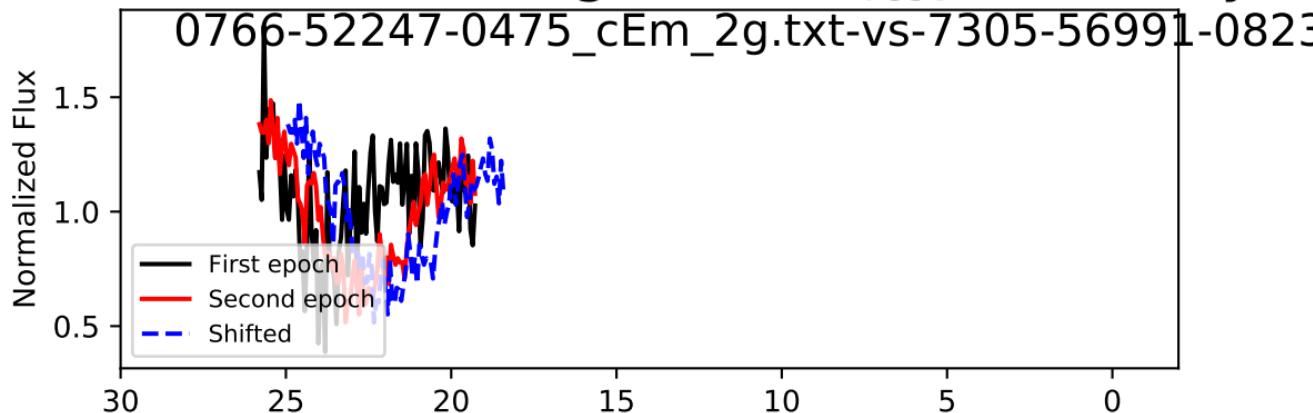


spectrum i = 69, Trough 0/2,  $\Delta t_{\text{rest}} = 3.345$  years



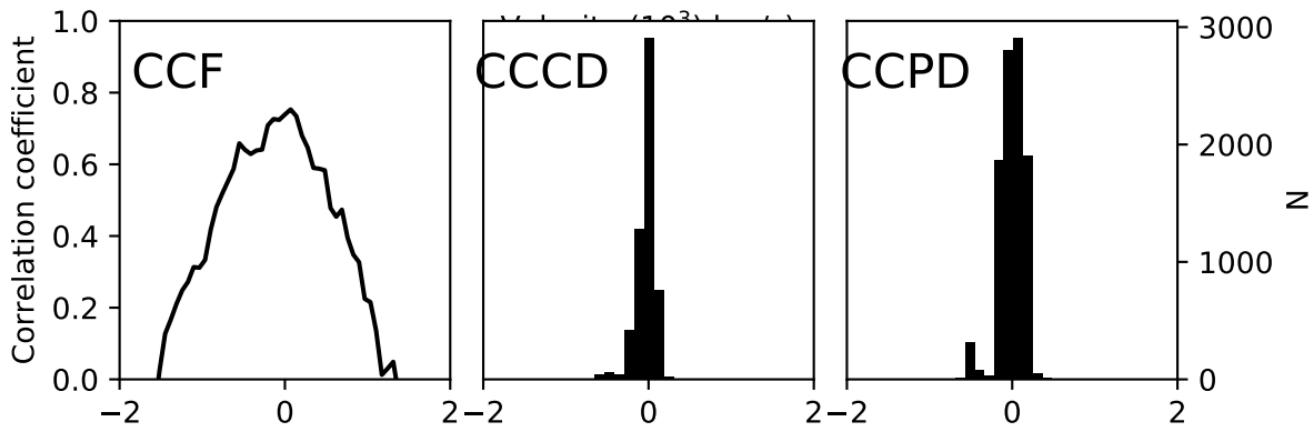
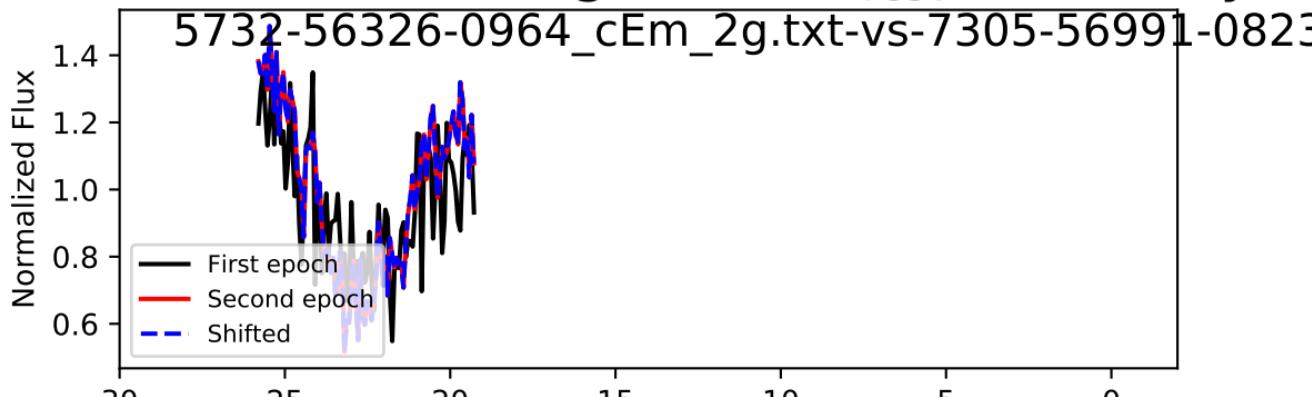
: 1242.0 + 138.0 - 483.0 km/s, Accel: 1.177+ 0.131 - 0.458 c

spectrum i = 69, Trough 0/2,  $\Delta t_{\text{rest}} = 3.891$  years



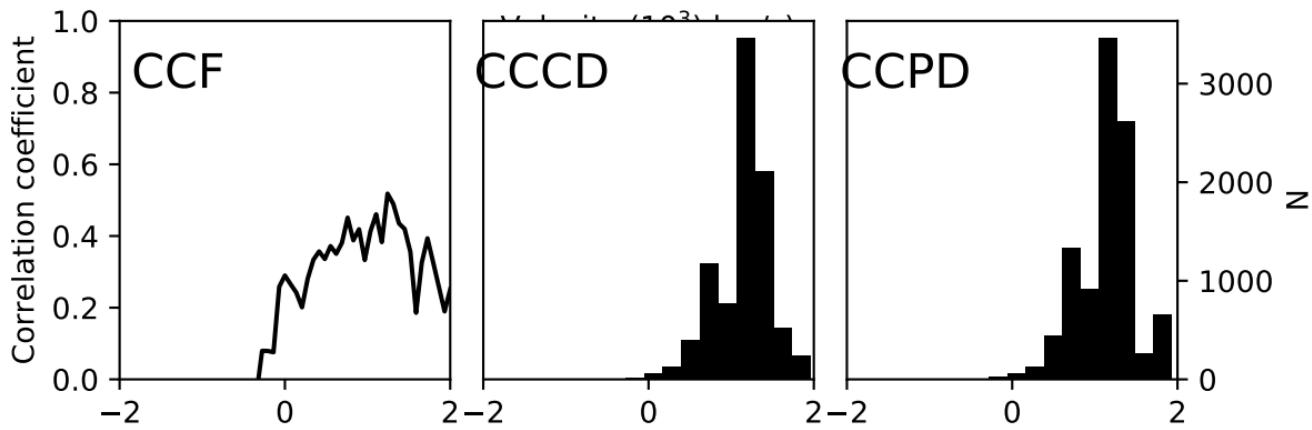
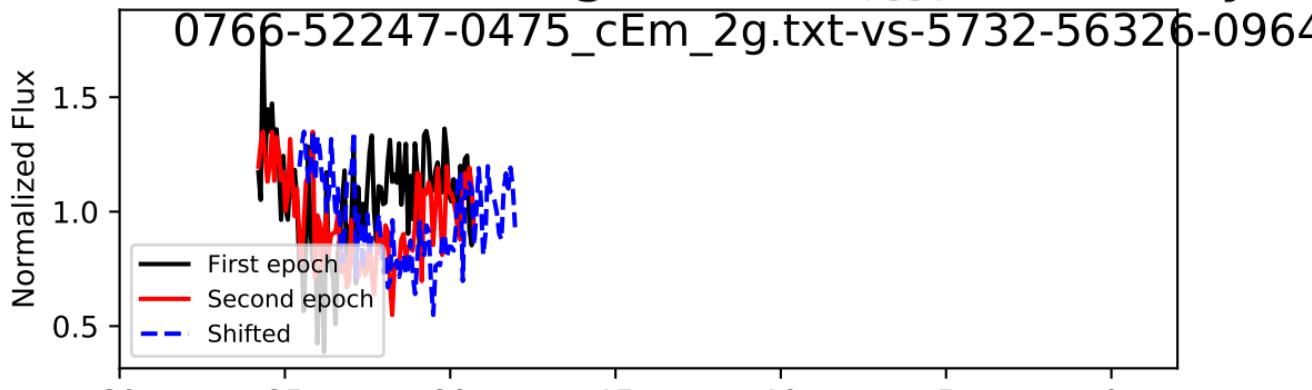
Fit:  $861.3 + 351.2 - 168.8 \text{ km/s}$ , Accel:  $0.702 + 0.286 - 0.138 \text{ cm/s}^2$

spectrum i = 69, Trough 0/2,  $\Delta t_{\text{rest}} = 0.545$  years



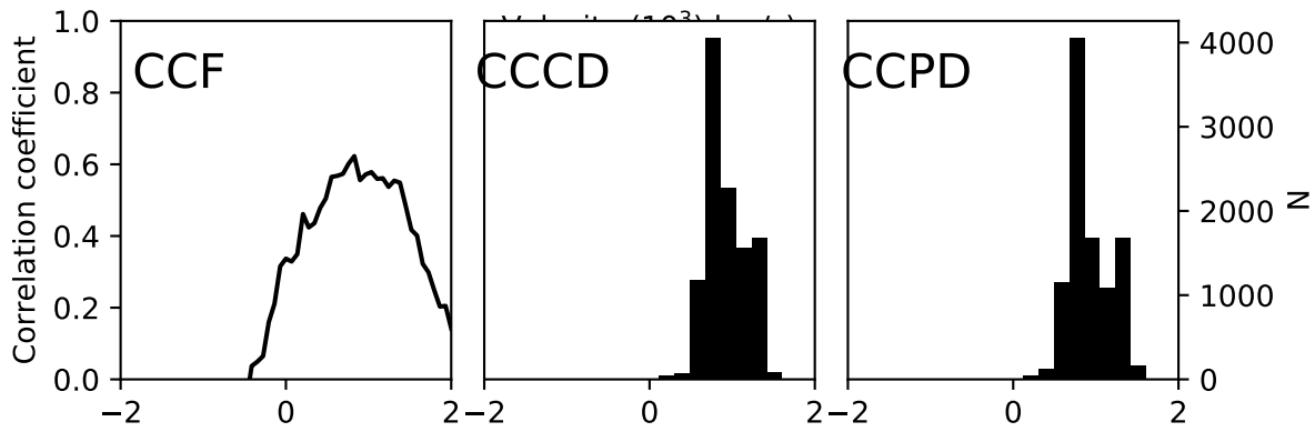
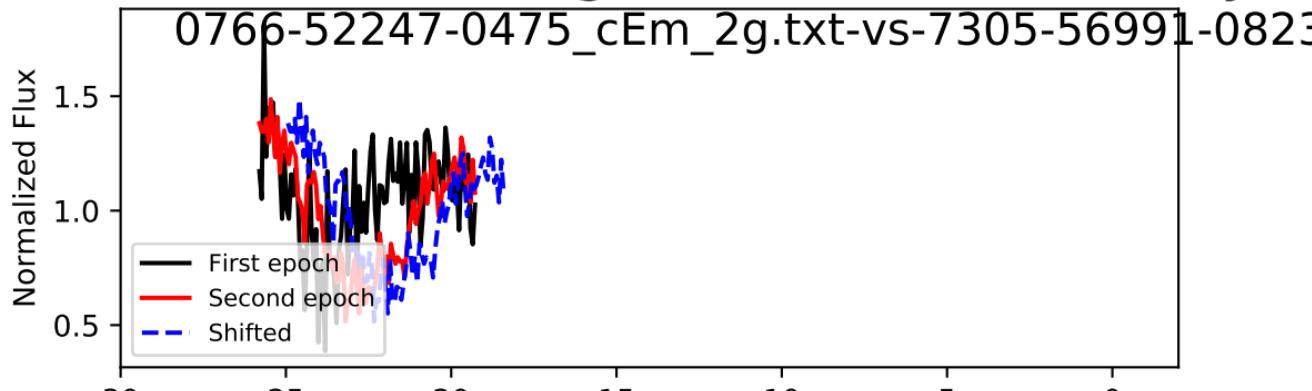
ft:  $-4.7 + 69.1 - 131.8 \text{ km/s}$ , Accel:  $-0.027 + 0.402 - 0.766 \text{ cm/s}^2$

spectrum i = 69, Trough 1/2,  $\Delta t_{\text{rest}} = 3.345$  years



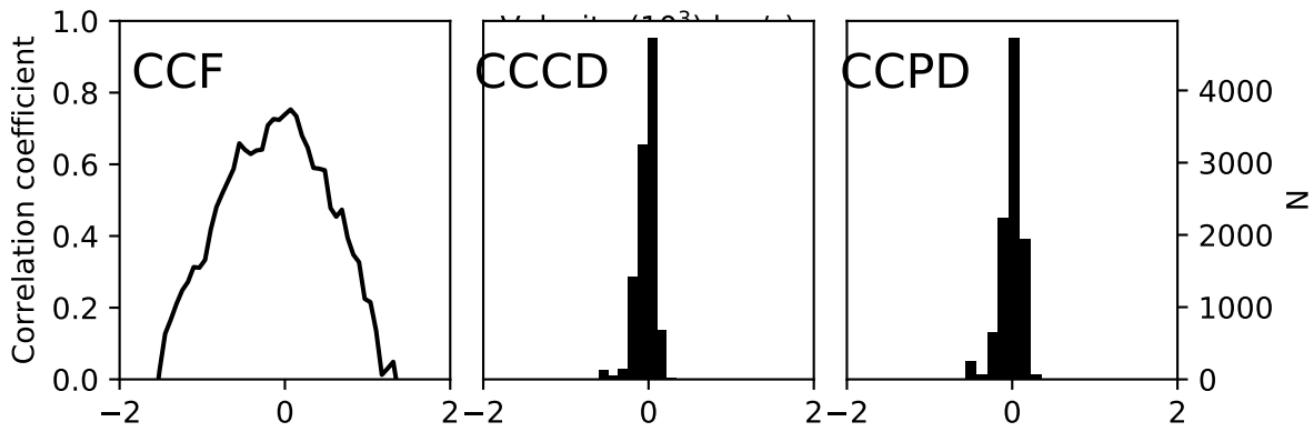
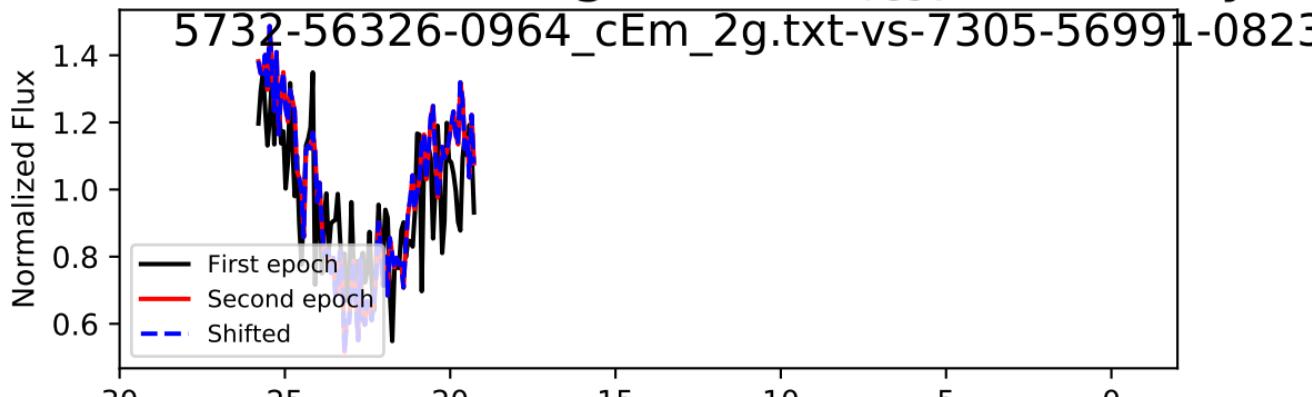
: 1242.0 + 138.0 - 483.0 km/s, Accel: 1.177+ 0.131 - 0.458 c

pectrum i = 69, Trough 1/2,  $\Delta t_{\text{rest}} = 3.891$  years



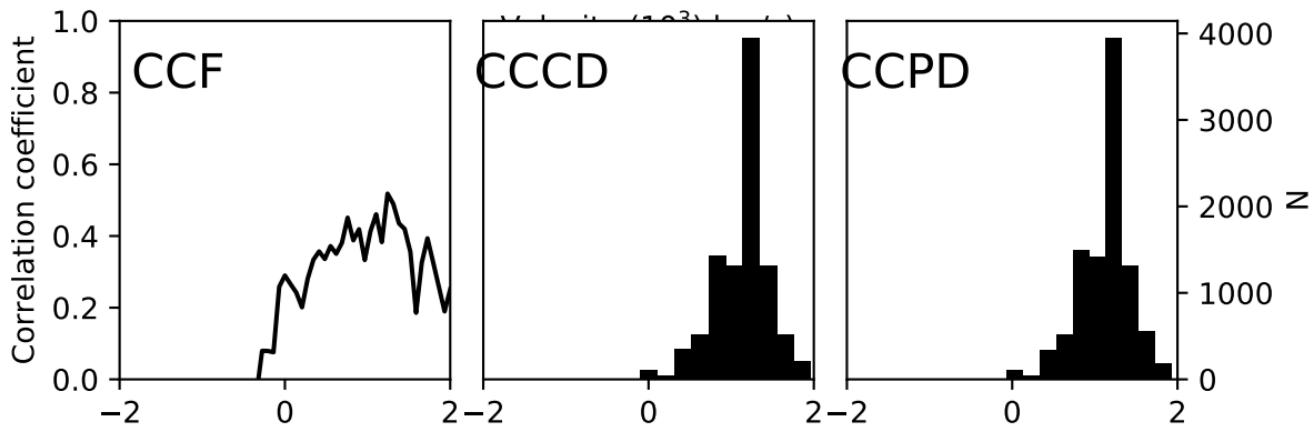
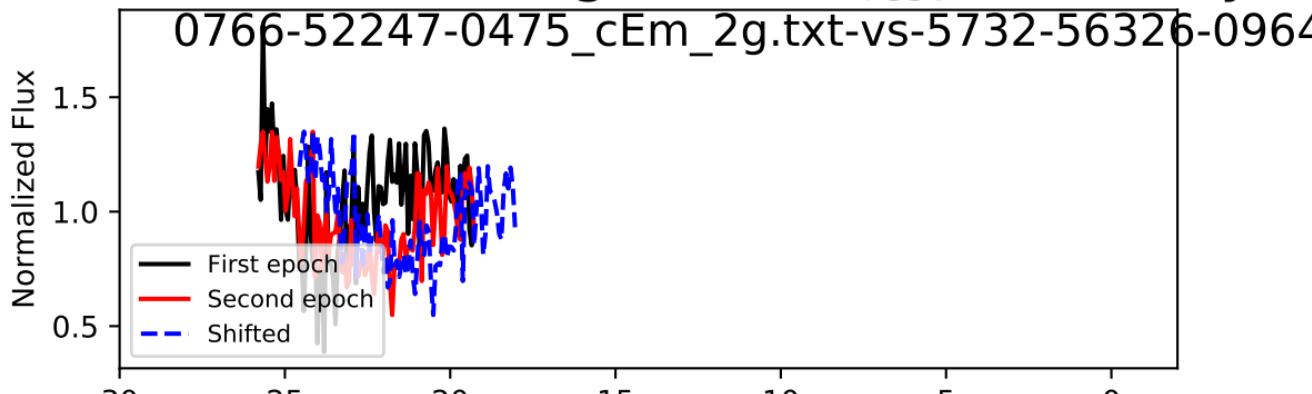
ft: 863.6 + 373.6 - 170.5 km/s, Accel: 0.704+ 0.305 - 0.139 cm

spectrum i = 69, Trough 1/2,  $\Delta t_{\text{rest}} = 0.545$  years



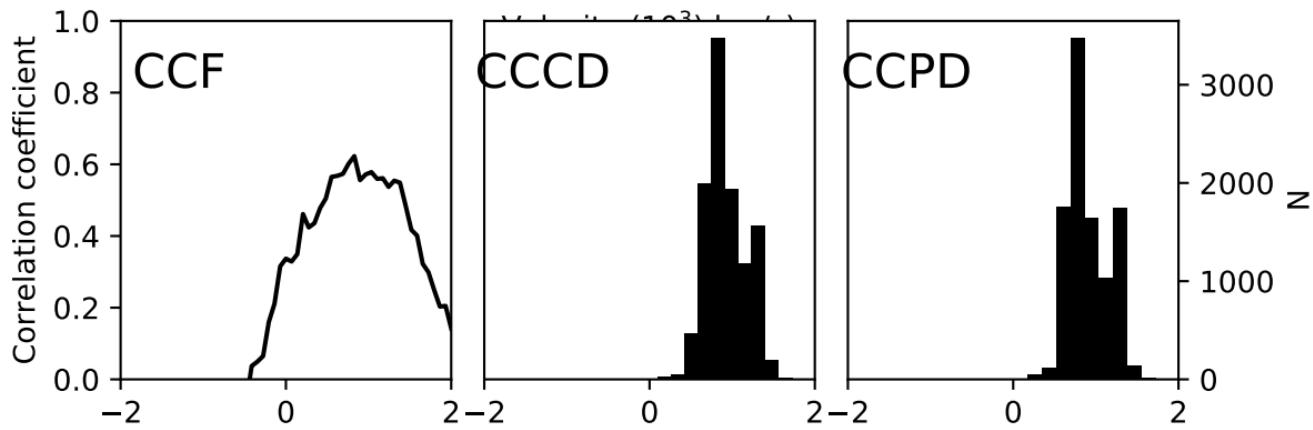
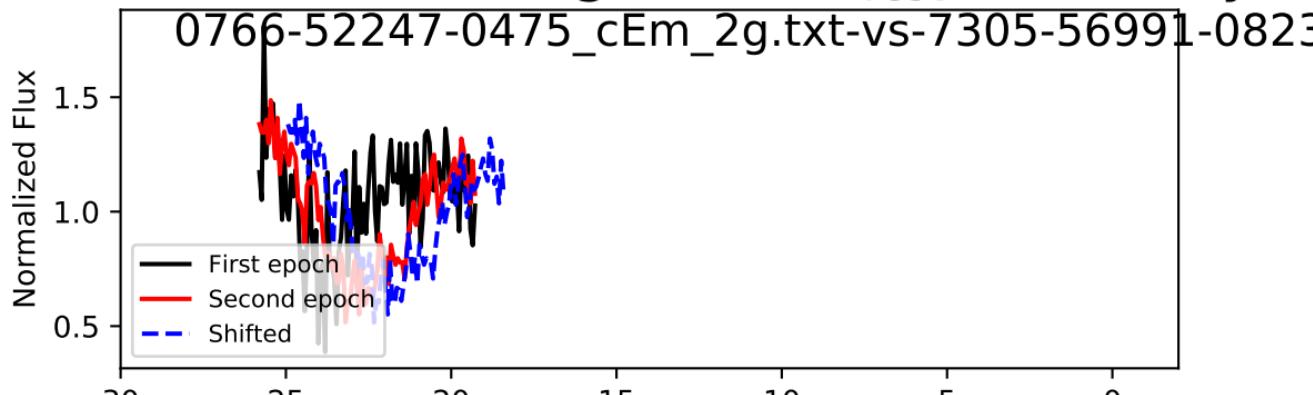
ft: -3.7 + 69.0 - 130.6 km/s, Accel: -0.022+ 0.401 - 0.760 cm

pectrum i = 69, Trough 2/2,  $\Delta t_{\text{rest}} = 3.345$  years



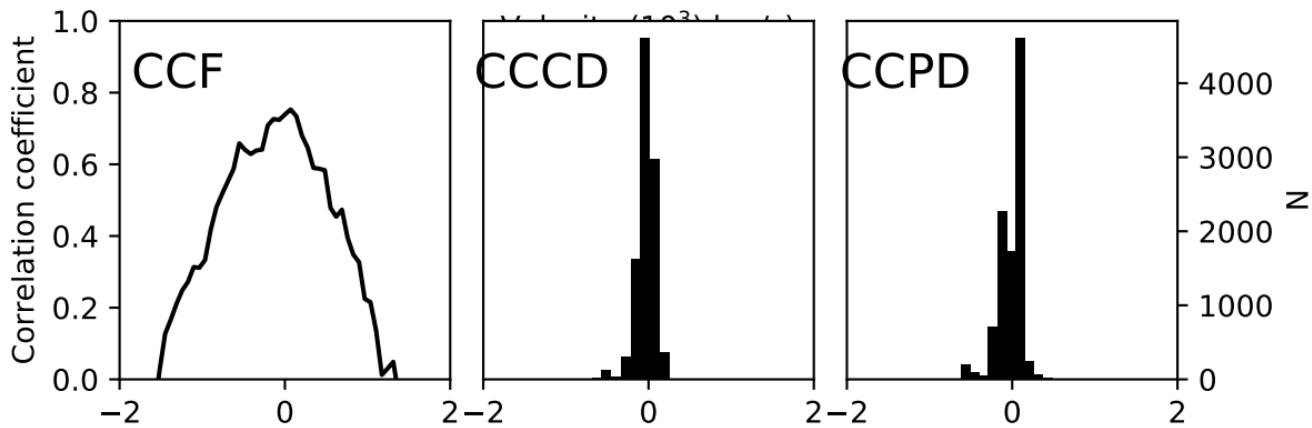
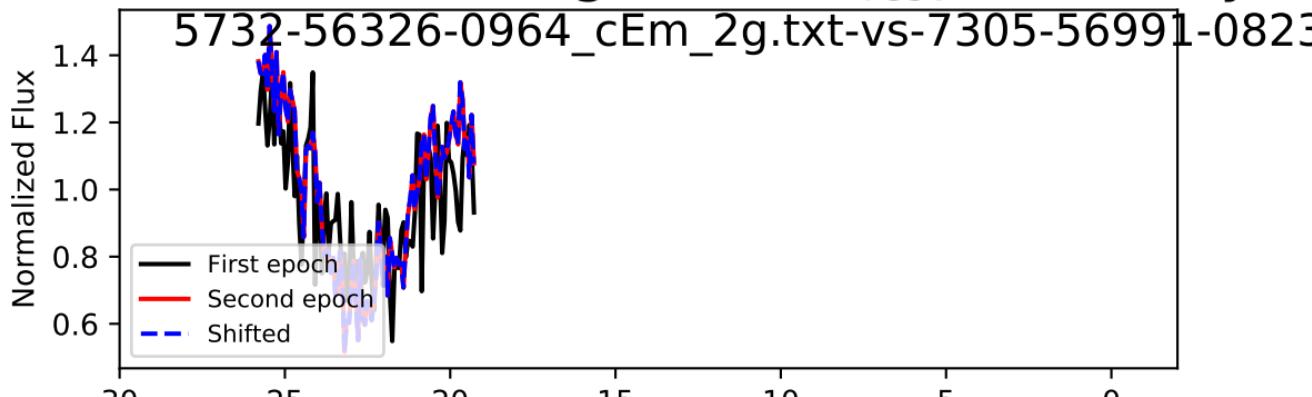
: 1242.0 + 138.0 - 483.0 km/s, Accel: 1.177+ 0.131 - 0.458 c

spectrum i = 69, Trough 2/2,  $\Delta t_{\text{rest}} = 3.891$  years



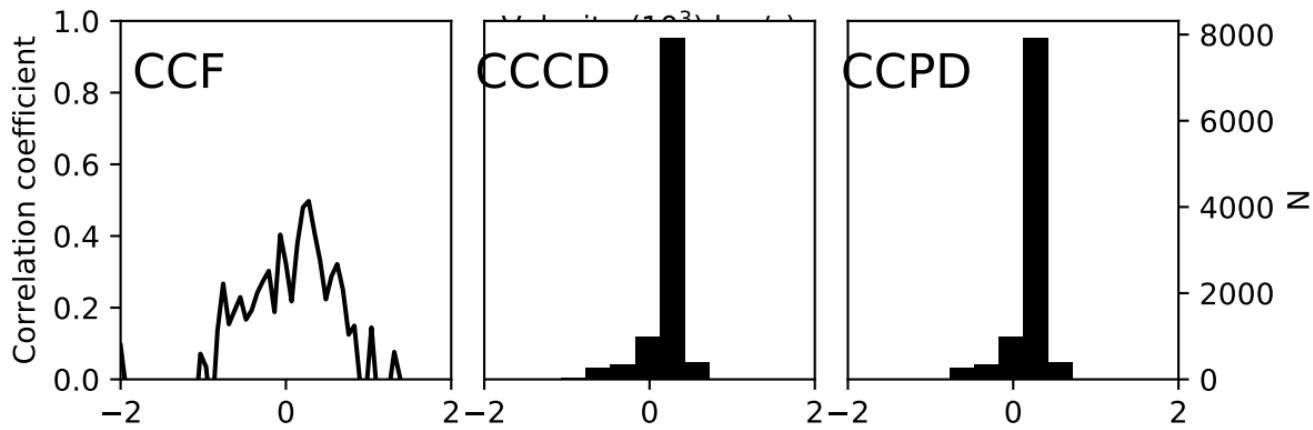
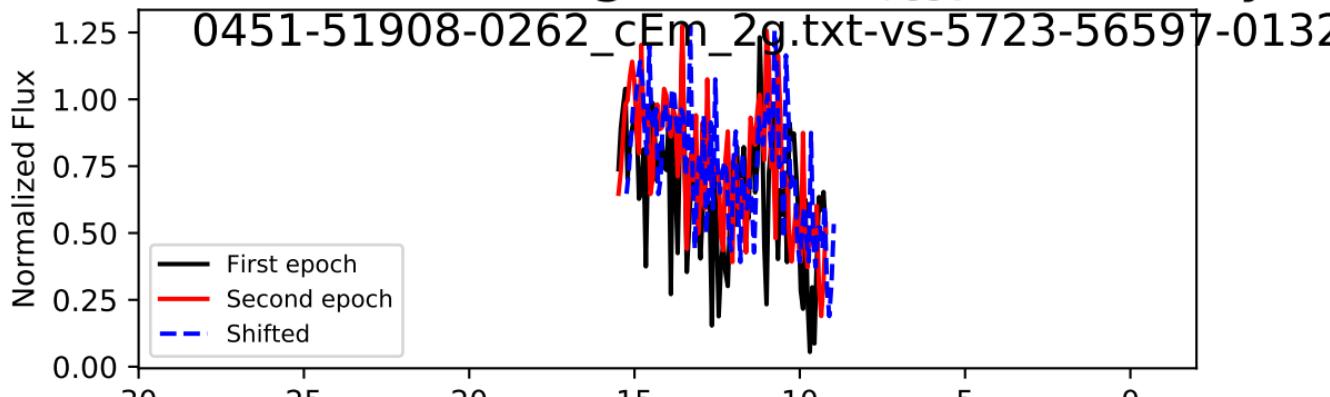
Fit:  $863.8 + 374.9 - 170.8 \text{ km/s}$ , Accel:  $0.704 + 0.306 - 0.139 \text{ cm/s}^2$

spectrum i = 69, Trough 2/2,  $\Delta t_{\text{rest}} = 0.545$  years



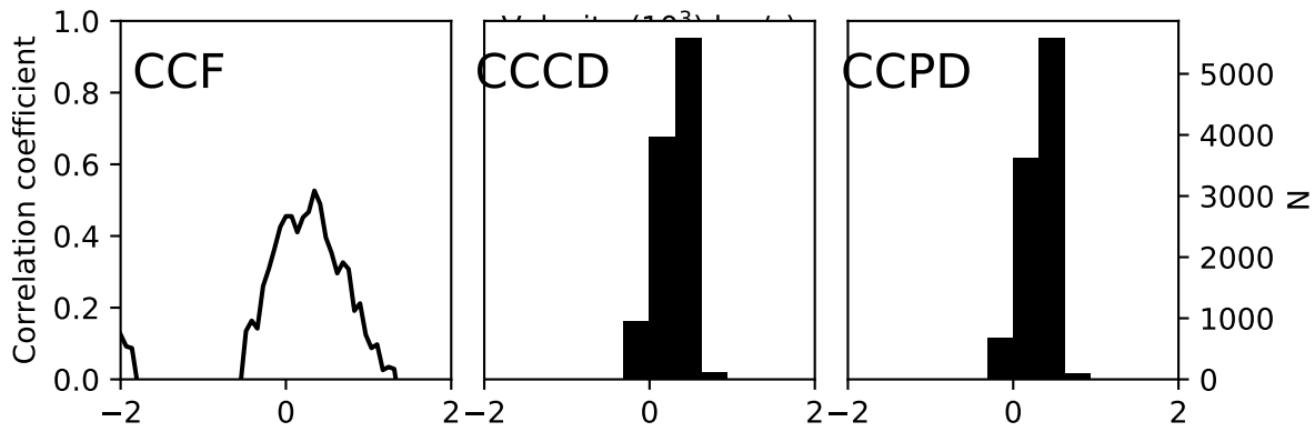
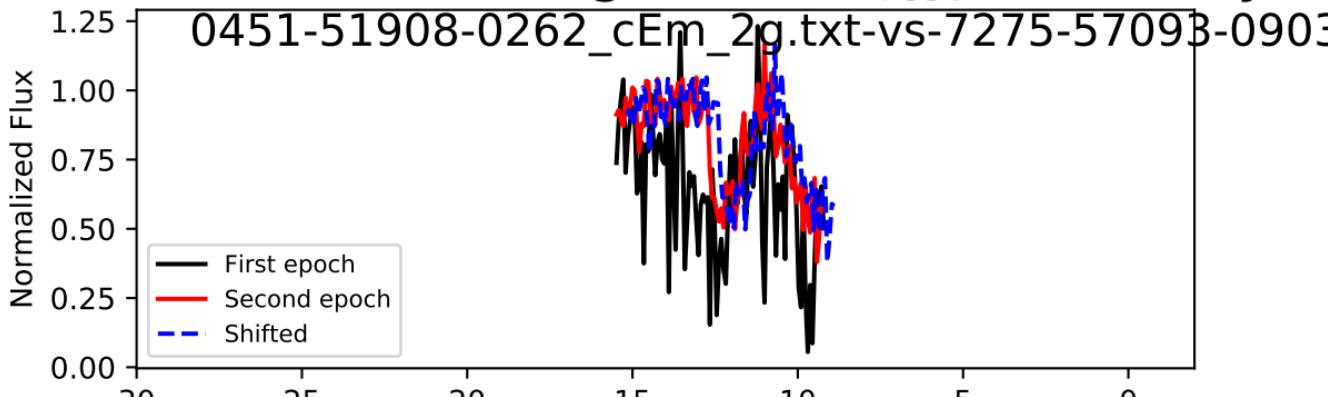
ft:  $-5.0 + 68.5 - 129.6 \text{ km/s}$ , Accel:  $-0.029 + 0.399 - 0.754 \text{ cm/s}^2$

spectrum i = 70, Trough 0/1,  $\Delta t_{\text{rest}} = 4.744$  years



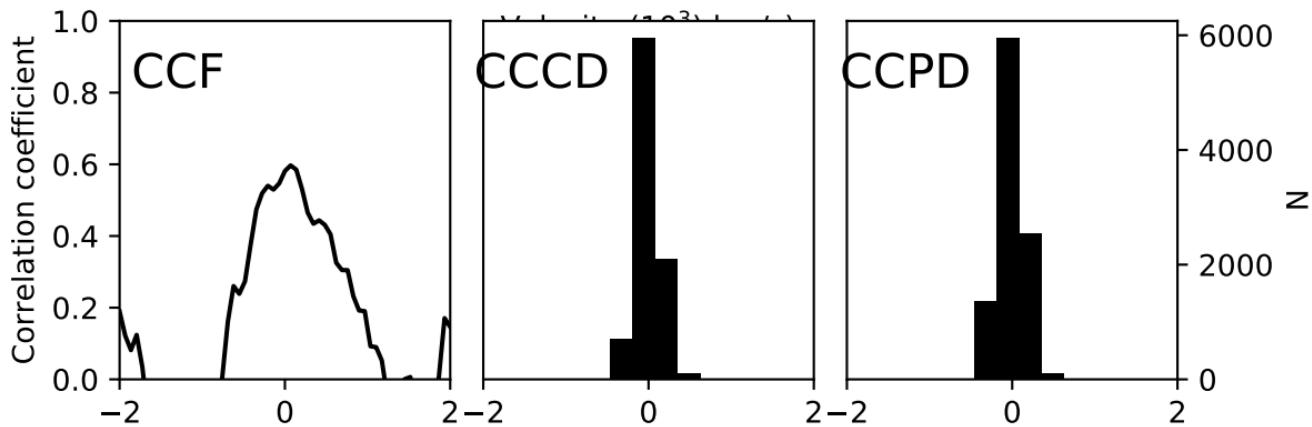
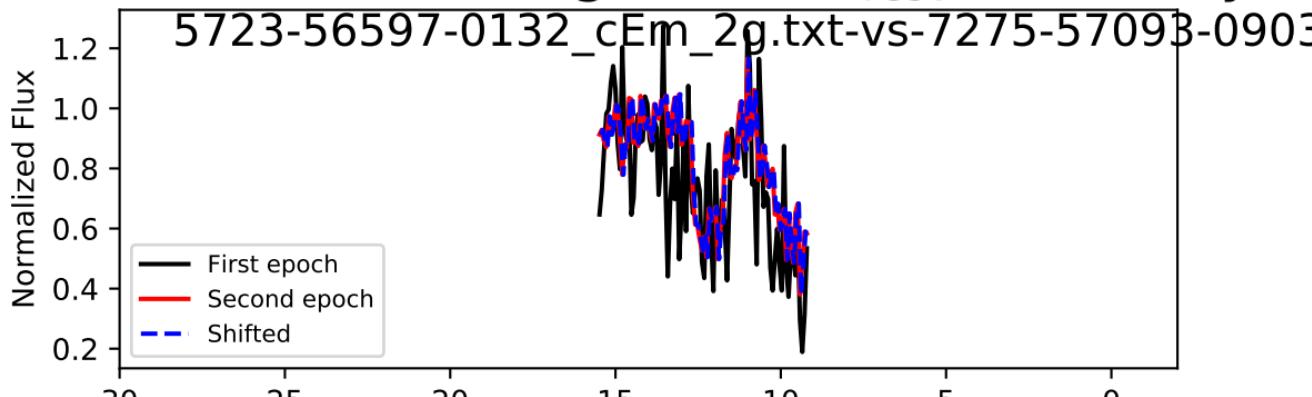
ft: 242.4 + 67.0 - 242.4 km/s, Accel: 0.162+ 0.045 - 0.162 cm/s<sup>2</sup>

spectrum i = 70, Trough 0/1,  $\Delta t_{\text{rest}} = 5.246$  years



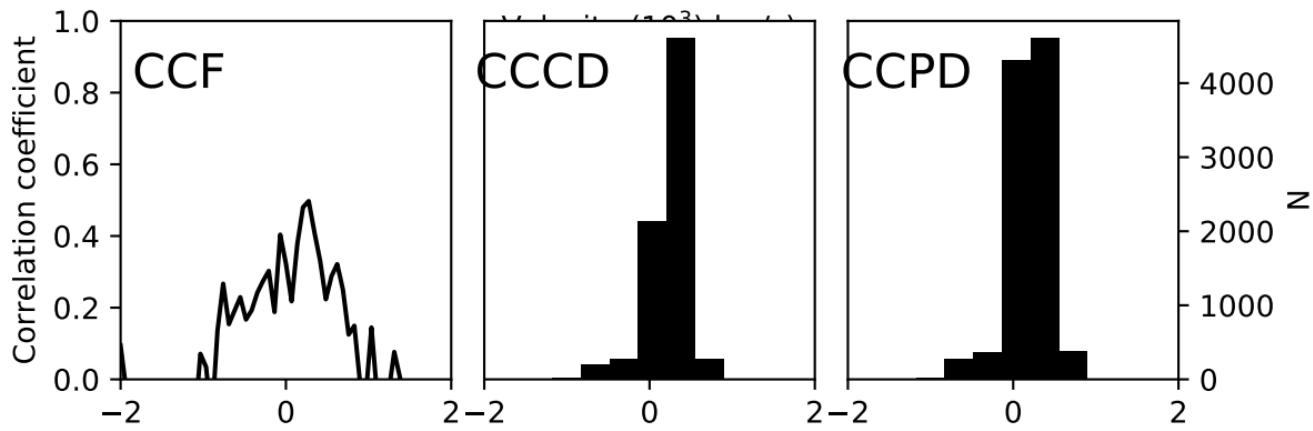
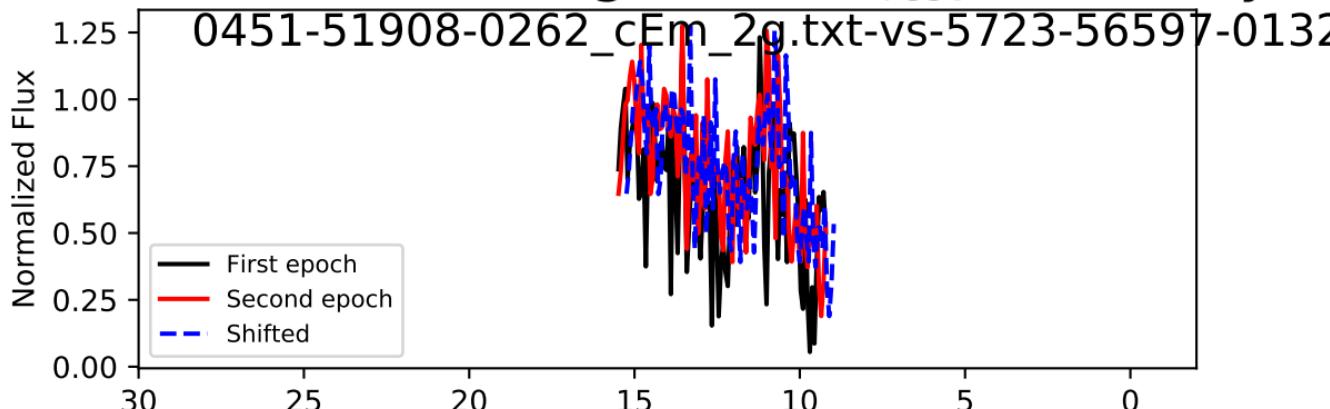
ft: 312.6 + 67.0 - 276.4 km/s, Accel: 0.189+ 0.040 - 0.167 cm/s<sup>2</sup>

spectrum i = 70, Trough 0/1,  $\Delta t_{\text{rest}} = 0.502$  years



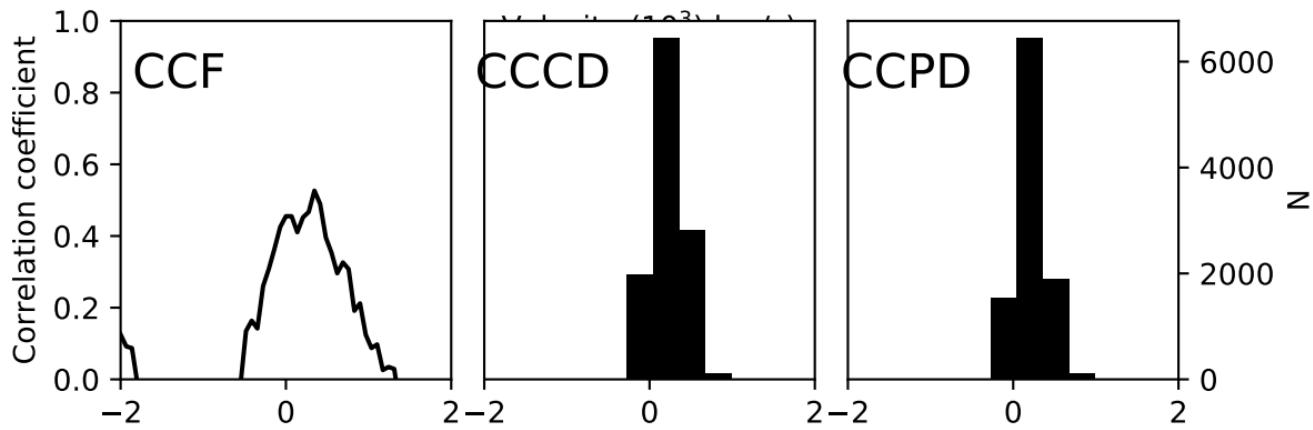
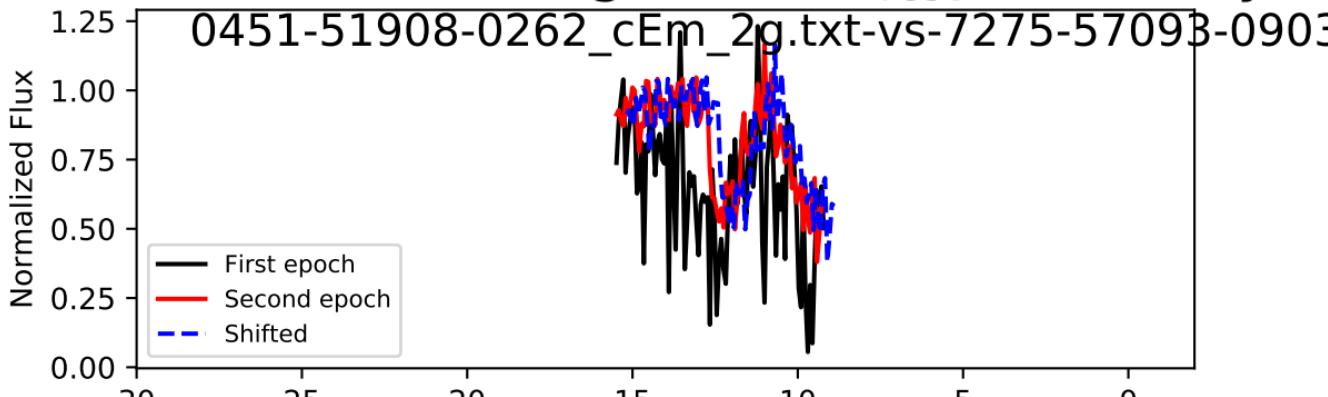
ft: 33.5 + 71.1 - 133.8 km/s, Accel: 0.212+ 0.449 - 0.845 cm

spectrum i = 70, Trough 1/1,  $\Delta t_{\text{rest}} = 4.744$  years



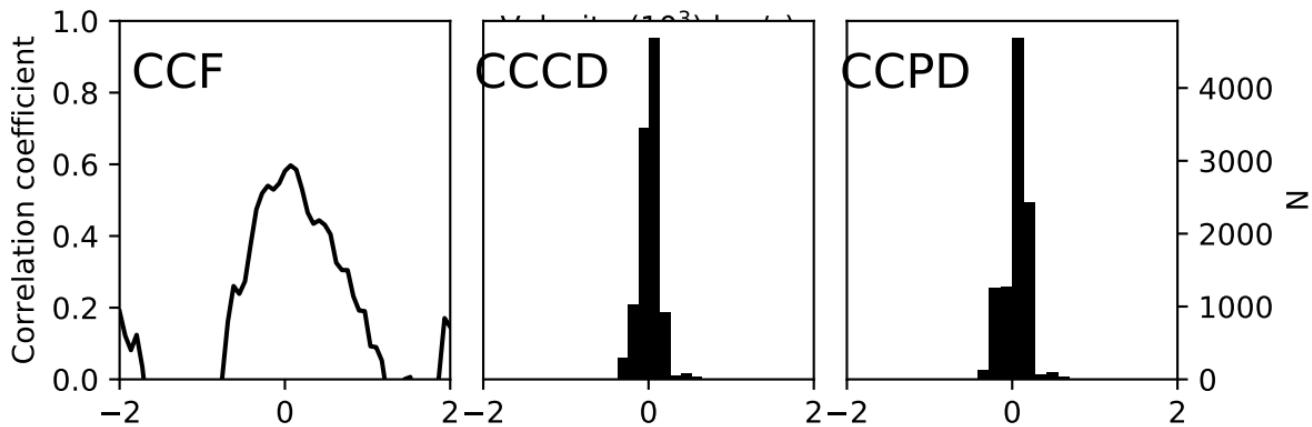
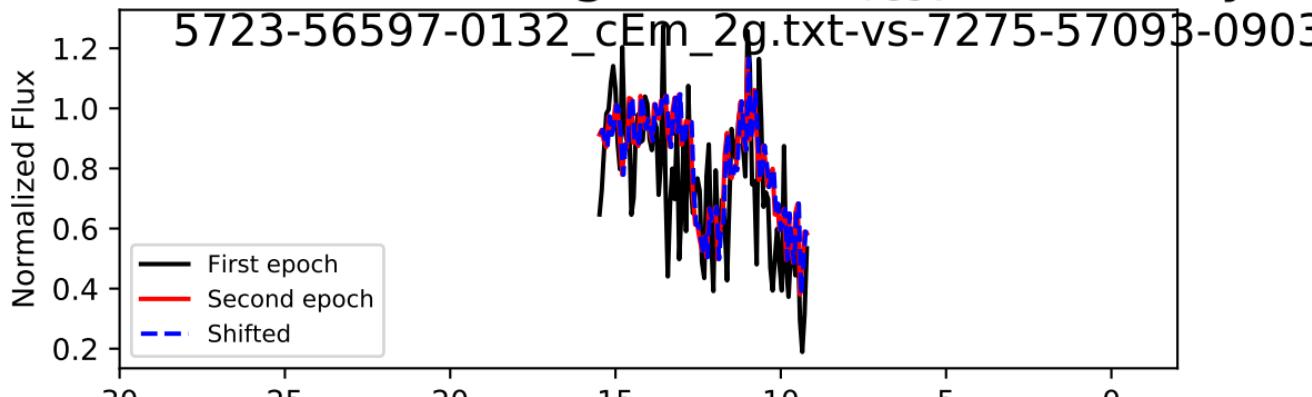
ft:  $242.1 + 67.0 - 276.1 \text{ km/s}$ , Accel:  $0.162 + 0.045 - 0.185 \text{ cm/s}^2$

spectrum  $i = 70$ , Trough 1/1,  $\Delta t_{\text{rest}} = 5.246$  years



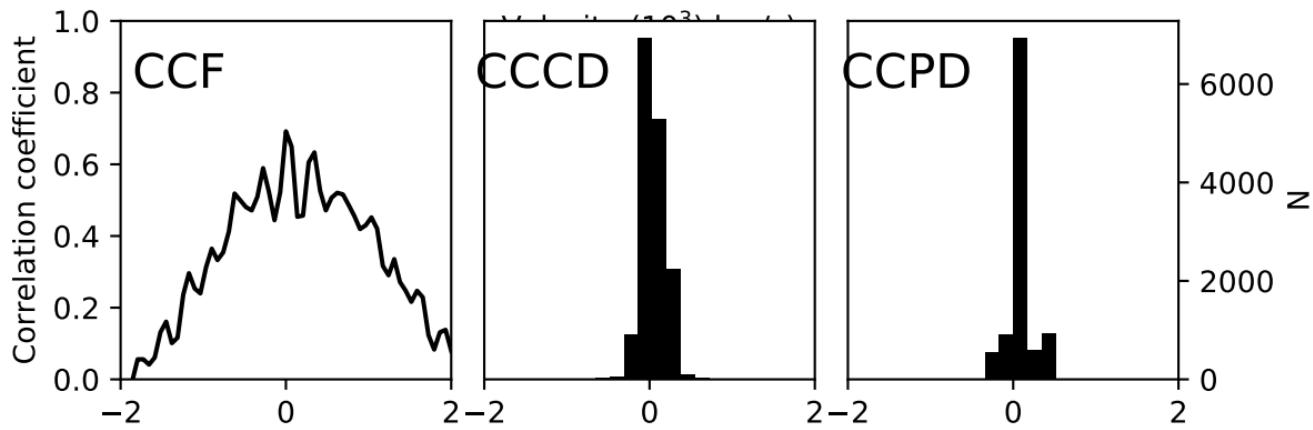
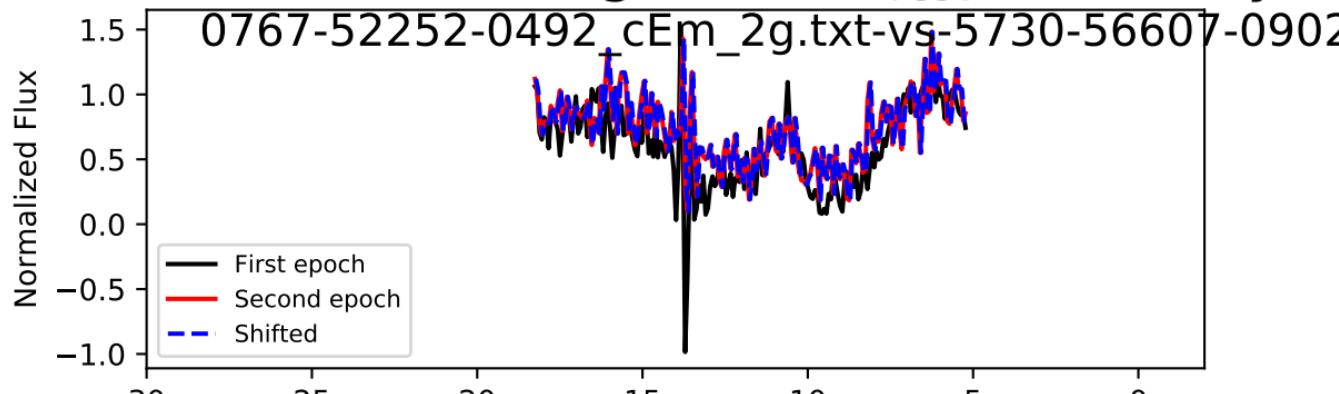
ft:  $312.4 + 67.1 - 276.7 \text{ km/s}$ , Accel:  $0.189 + 0.041 - 0.167 \text{ cm/s}^2$

spectrum  $i = 70$ , Trough 1/1,  $\Delta t_{\text{rest}} = 0.502$  years

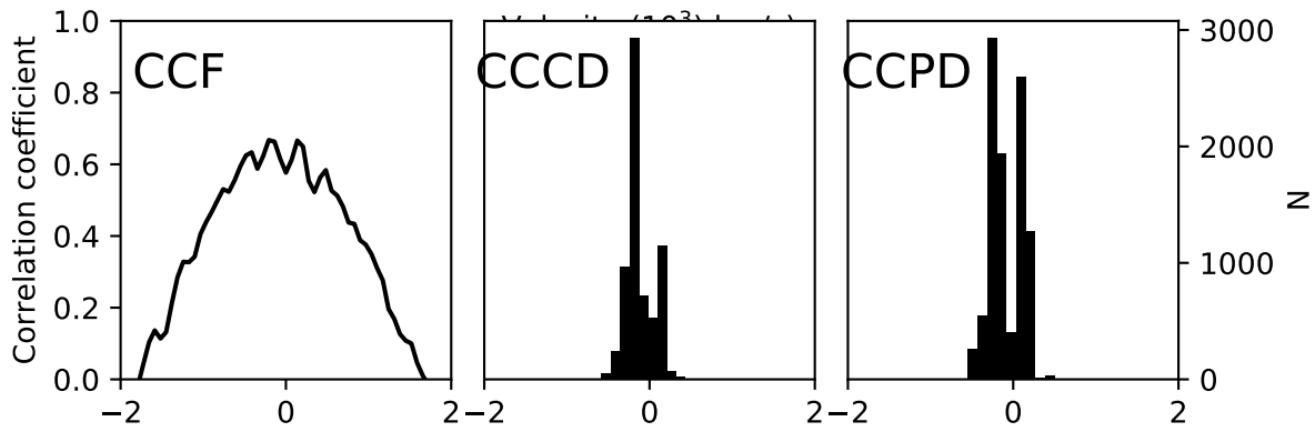
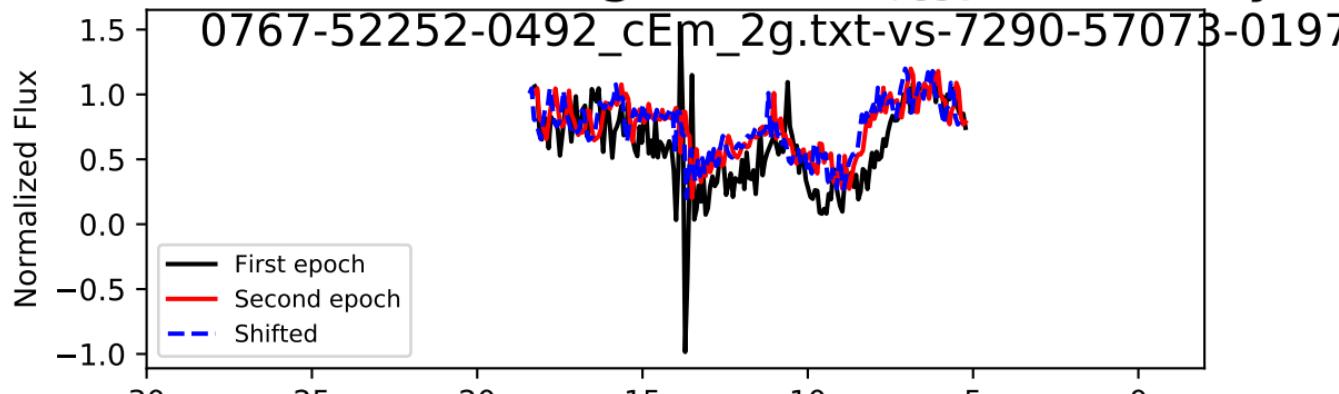


ft:  $33.6 + 70.9 - 133.5$  km/s, Accel:  $0.213 + 0.448 - 0.843$  cm/s<sup>2</sup>

spectrum i = 72, Trough 0/0,  $\Delta t_{\text{rest}} = 2.996$  years

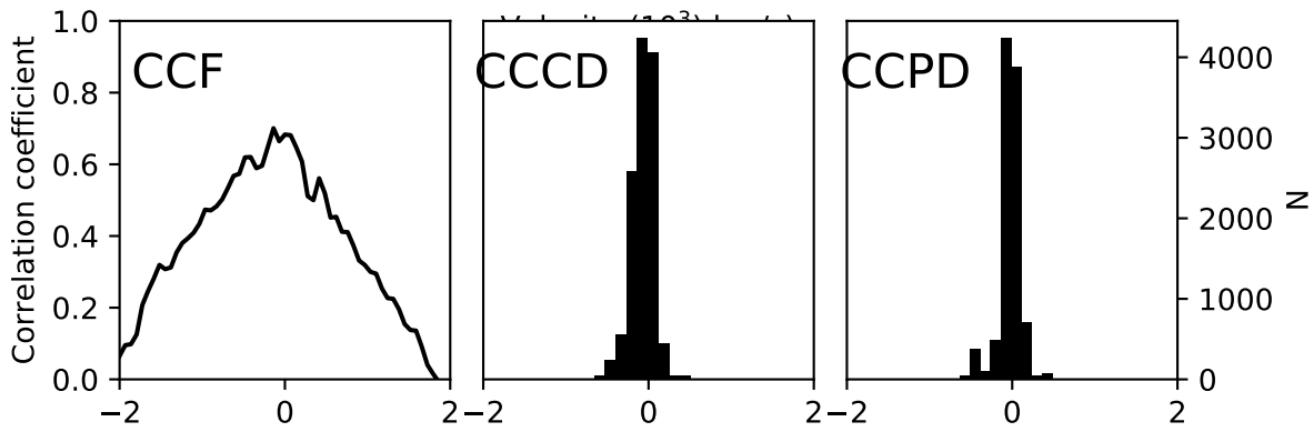
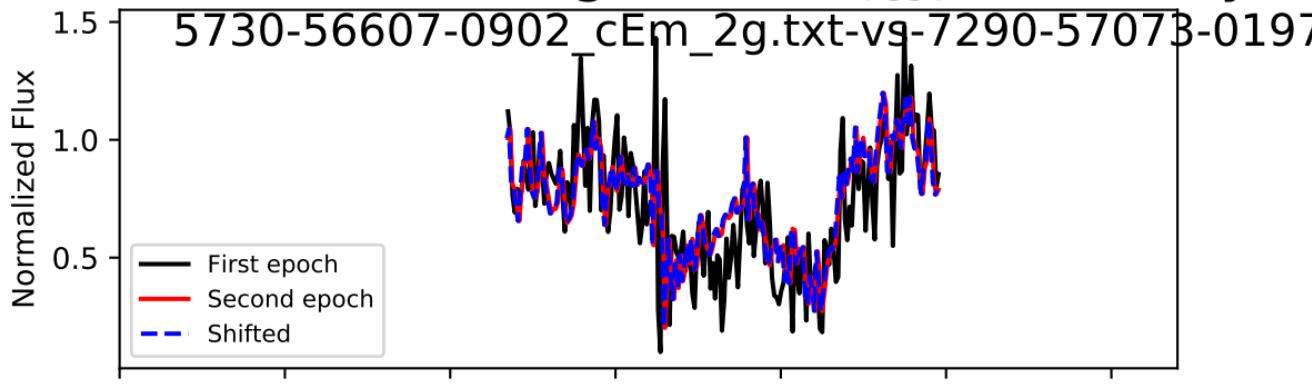


spectrum i = 72, Trough 0/0,  $\Delta t_{\text{rest}} = 3.316$  years



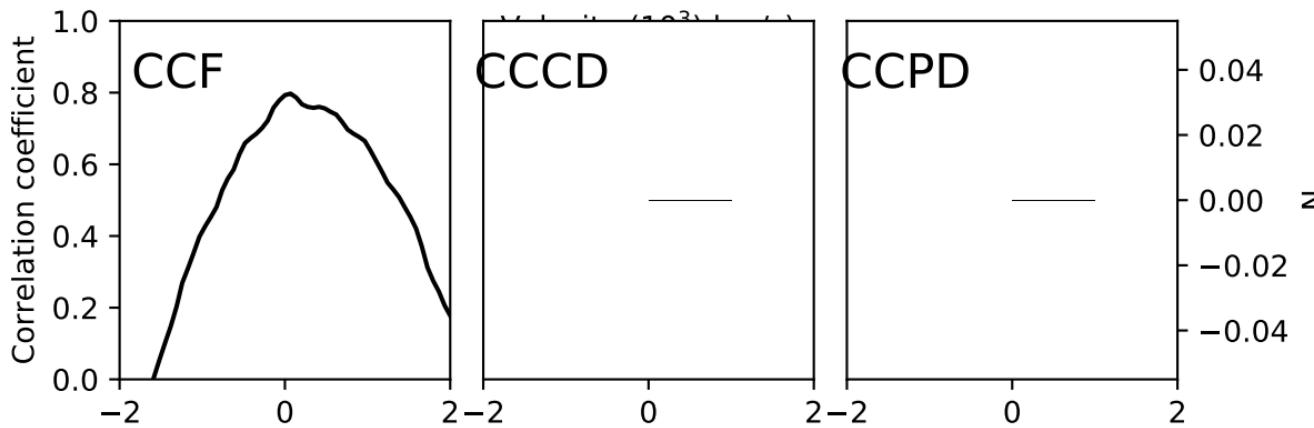
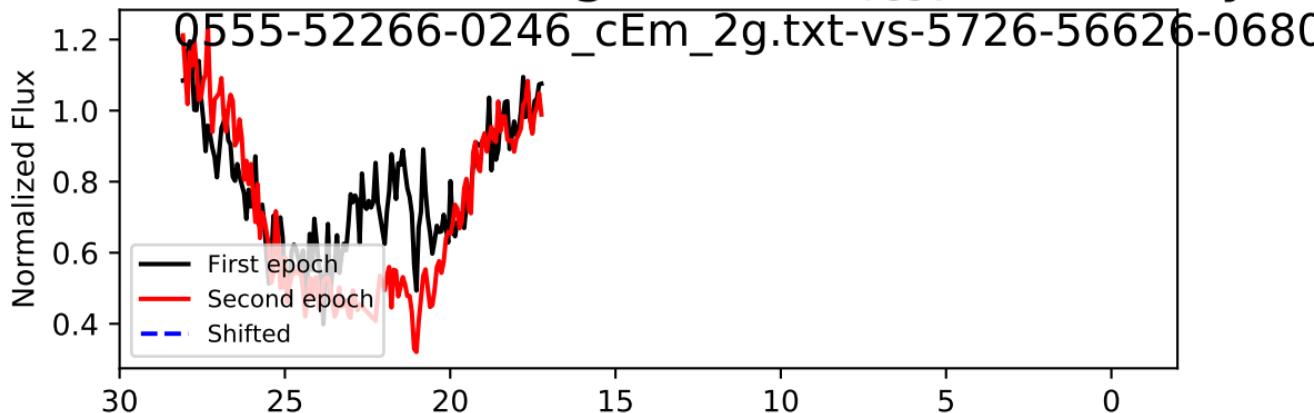
: -167.9 + 304.7 - 104.5 km/s, Accel: -0.161+ 0.291 - 0.100

spectrum i = 72, Trough 0/0,  $\Delta t_{\text{rest}} = 0.321$  year



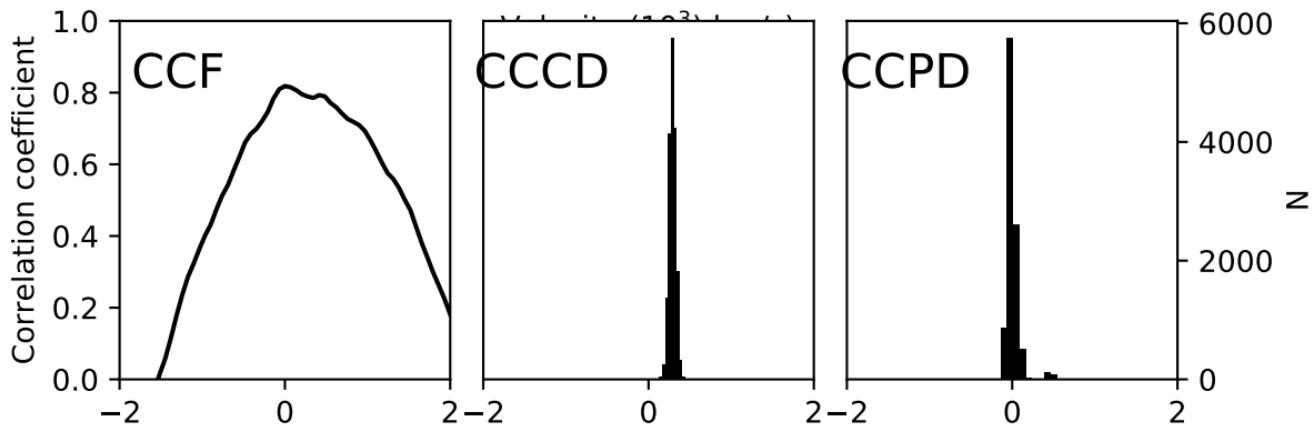
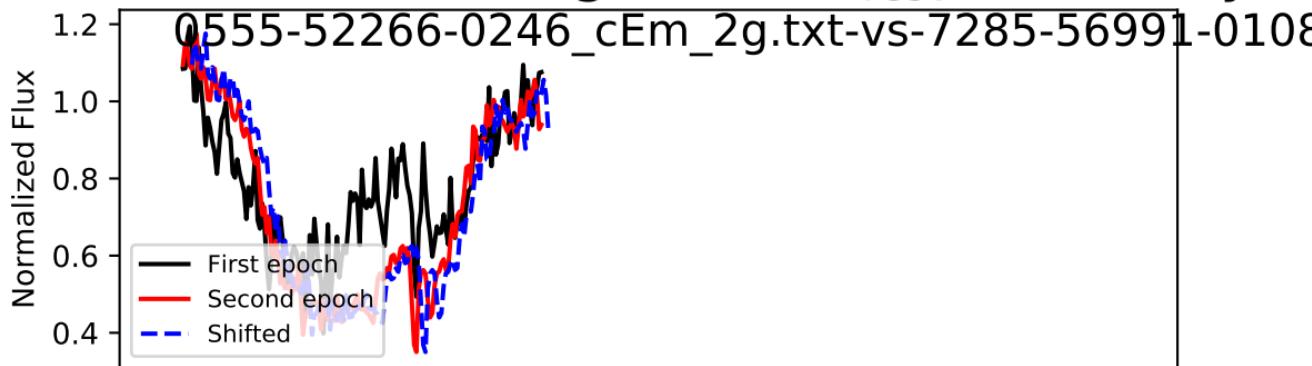
ft: -38.1 + 72.3 - 161.5 km/s, Accel: -0.377+ 0.716 - 1.598 cm/s<sup>2</sup>

spectrum i = 73, Trough 0/0,  $\Delta t_{\text{rest}} = 3.941$  year



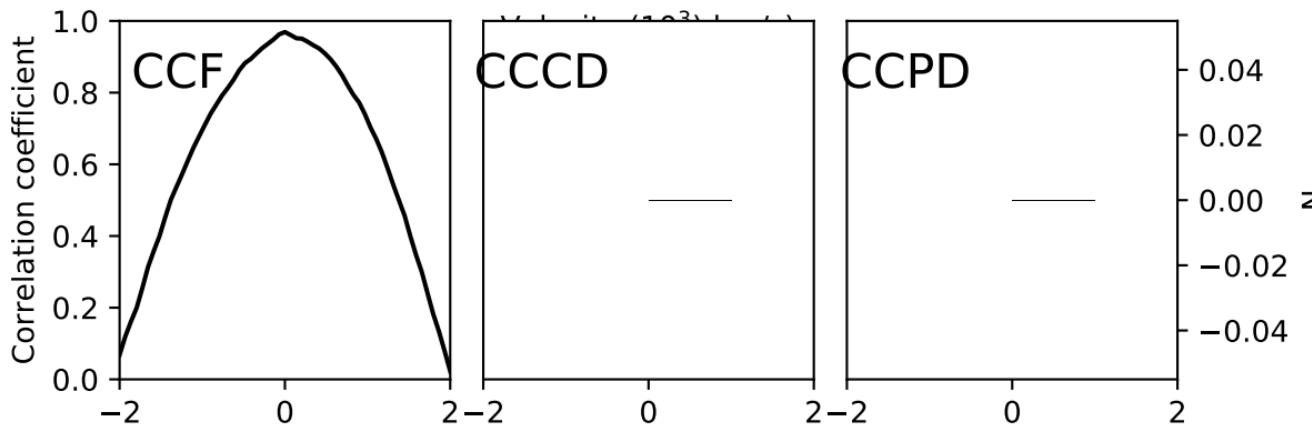
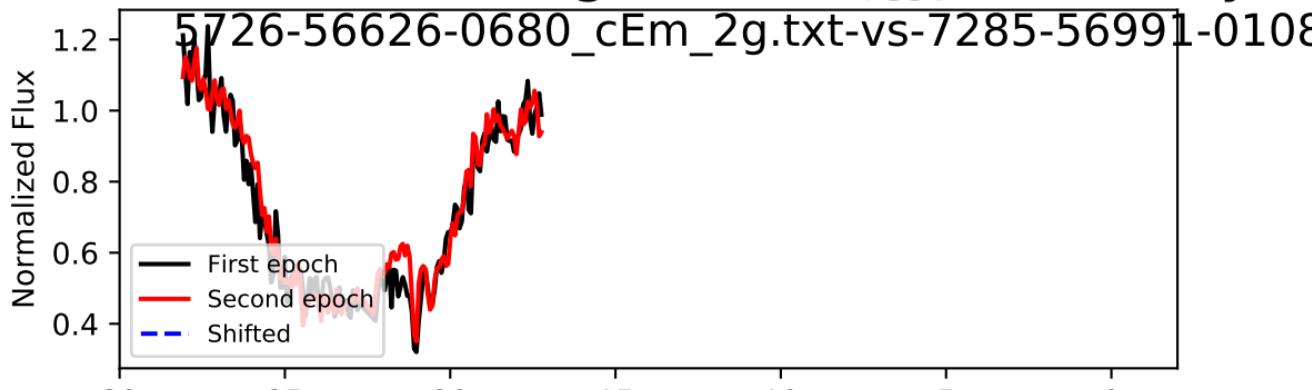
shift: nan + nan - nan km/s, Accel: nan+ nan - nan cm

spectrum i = 73, Trough 0/0,  $\Delta t_{\text{rest}} = 4.271$  years



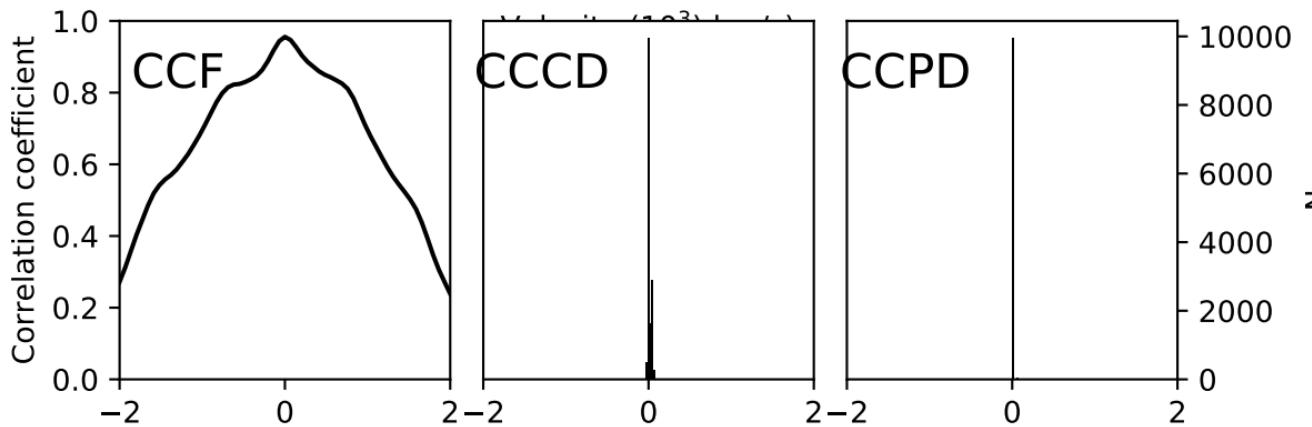
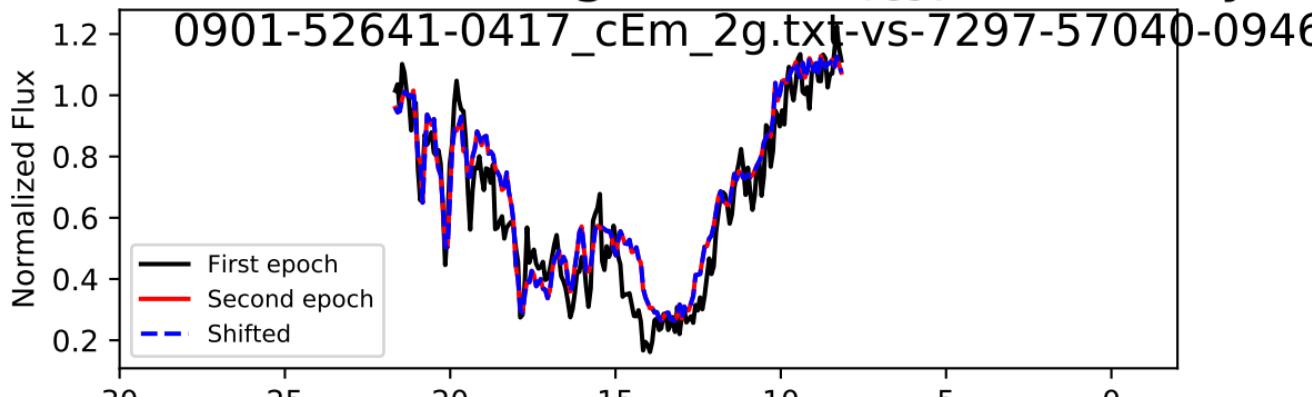
ft: 274.5 + 61.2 - 36.4 km/s, Accel: 0.204+ 0.045 - 0.027 cm

spectrum i = 73, Trough 0/0,  $\Delta t_{\text{rest}} = 0.330$  years



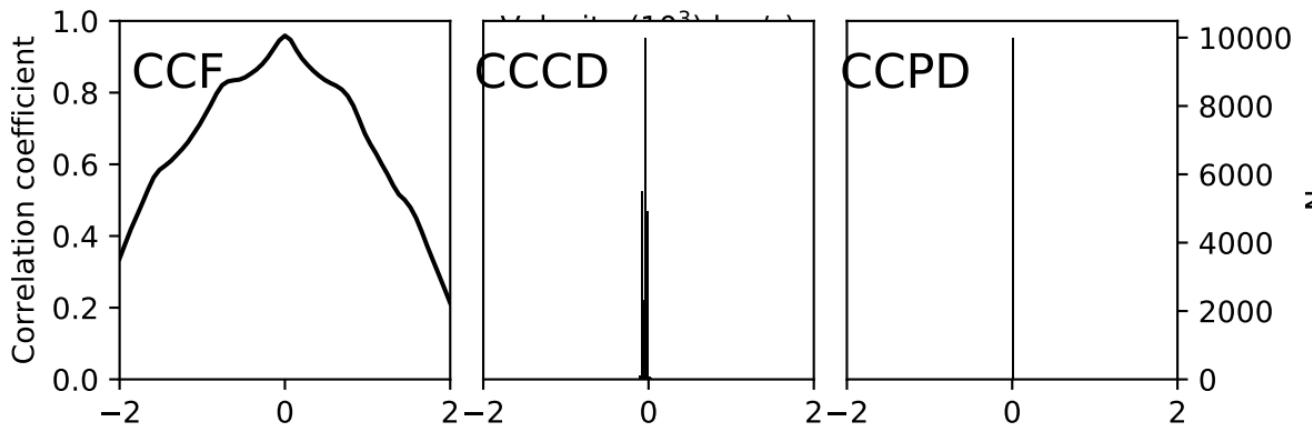
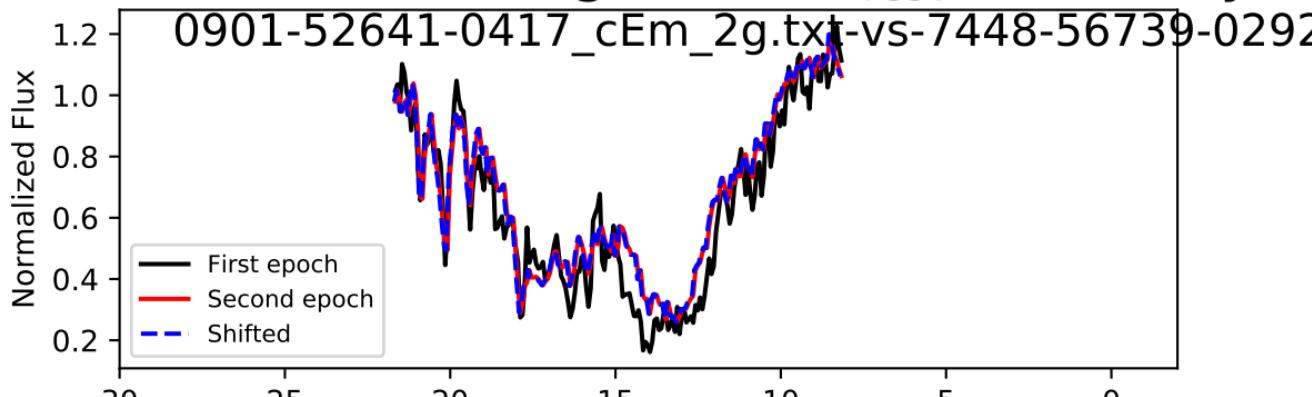
shift: nan + nan - nan km/s, Accel: nan+ nan - nan cm

spectrum i = 74, Trough 0/0,  $\Delta t_{\text{rest}} = 4.205$  years



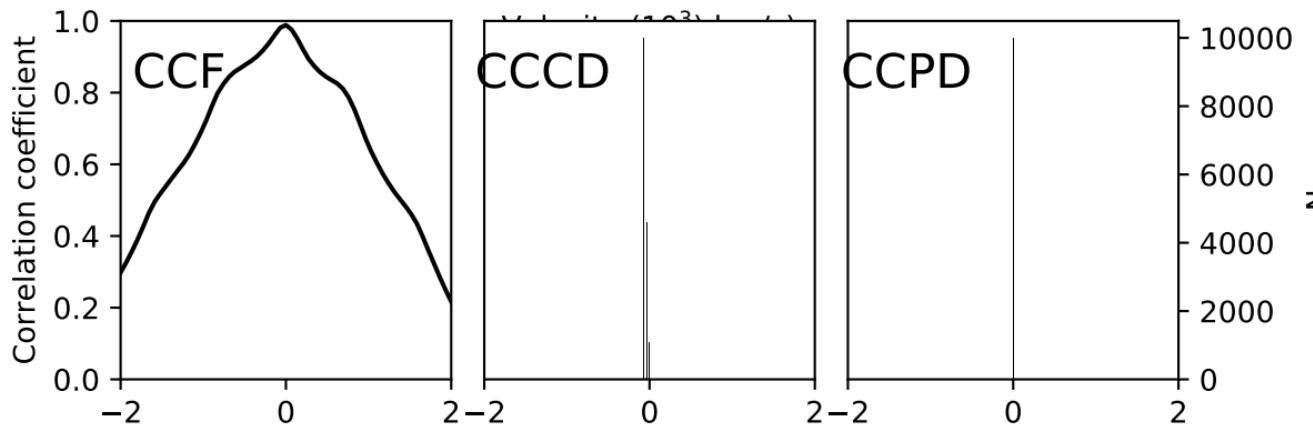
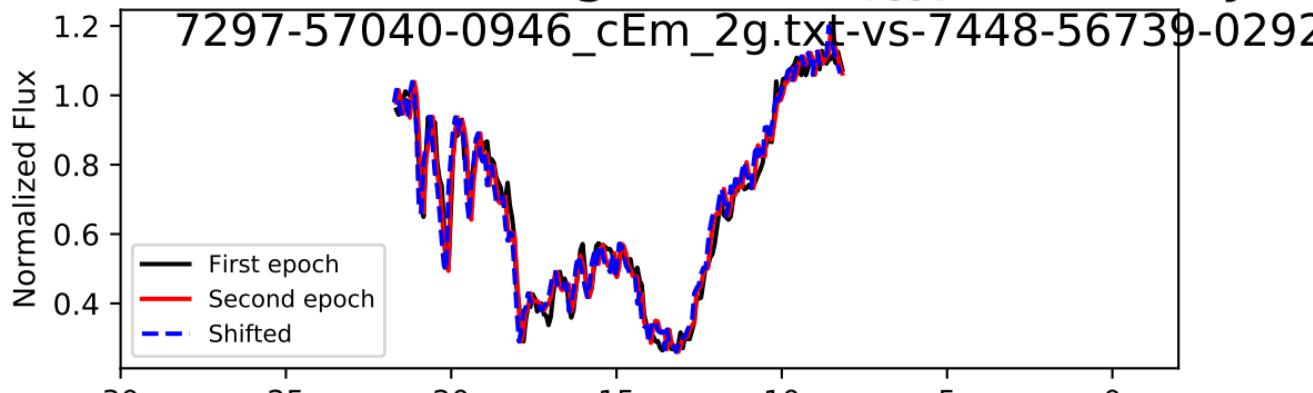
shift:  $3.8 + 32.2 - 2.8$  km/s, Accel:  $0.003 + 0.024 - 0.002$  cm

spectrum i = 74, Trough 0/0,  $\Delta t_{\text{rest}} = 3.917$  years



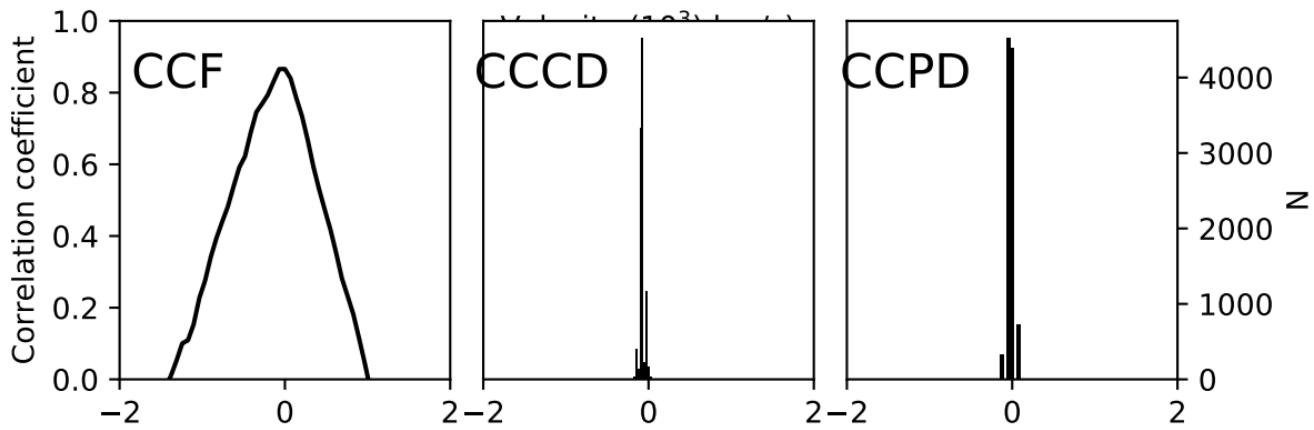
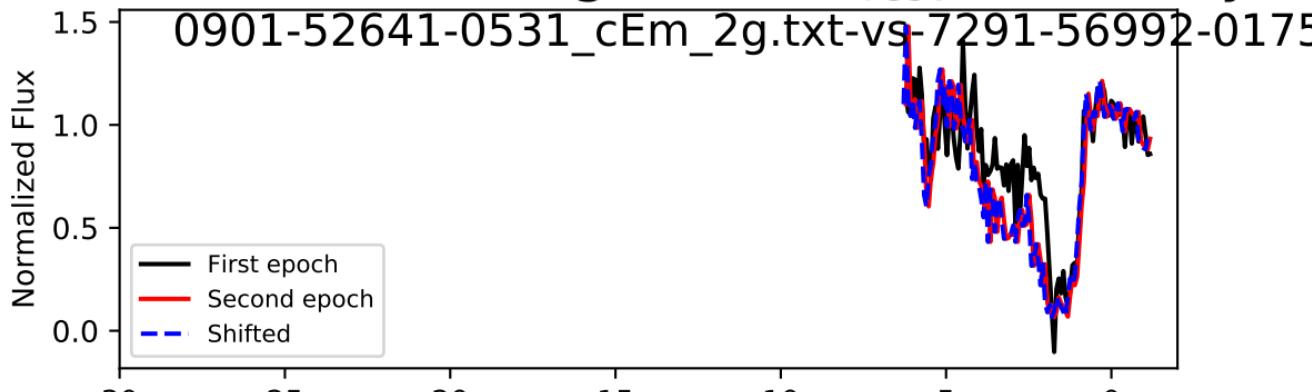
ft: -35.3 + 32.7 - 33.0 km/s, Accel: -0.029+ 0.026 - 0.027 cm/s<sup>2</sup>

spectrum i = 74, Trough 0/0,  $\Delta t_{\text{rest}} = 0.288$  years



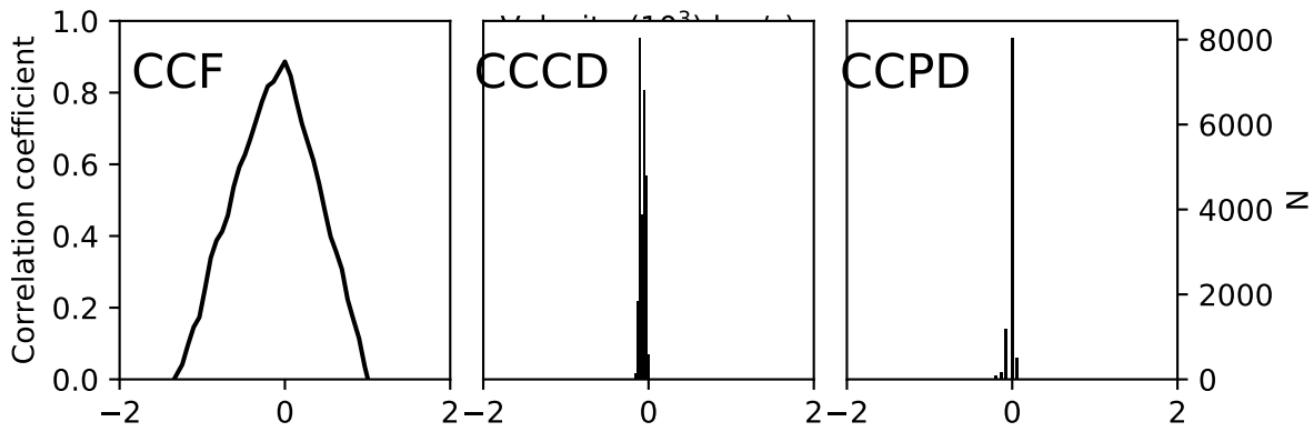
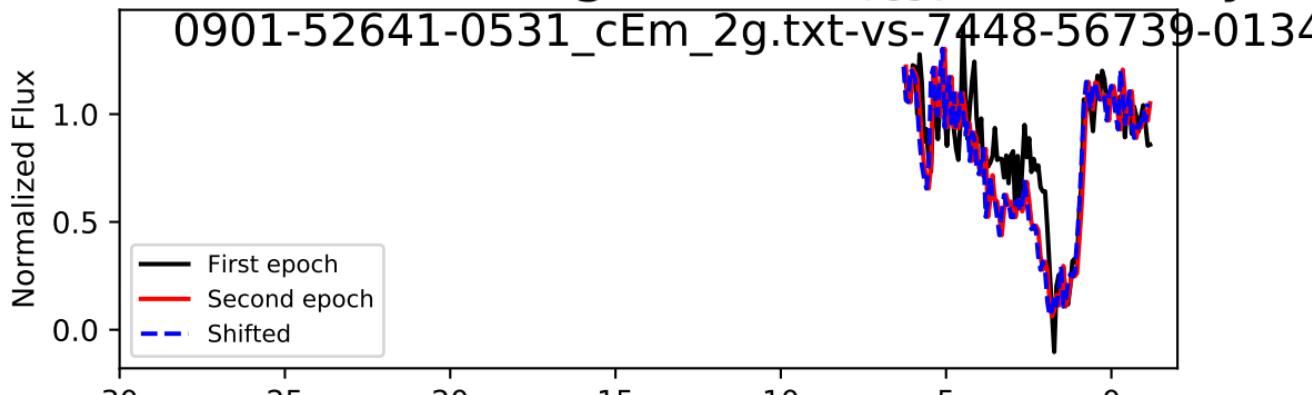
Shift: -68.2 + 32.2 - 1.9 km/s, Accel: -0.751+ 0.355 - 0.021 cm

spectrum  $i = 75$ , Trough 0/0,  $\Delta t_{\text{rest}} = 4.455$  years

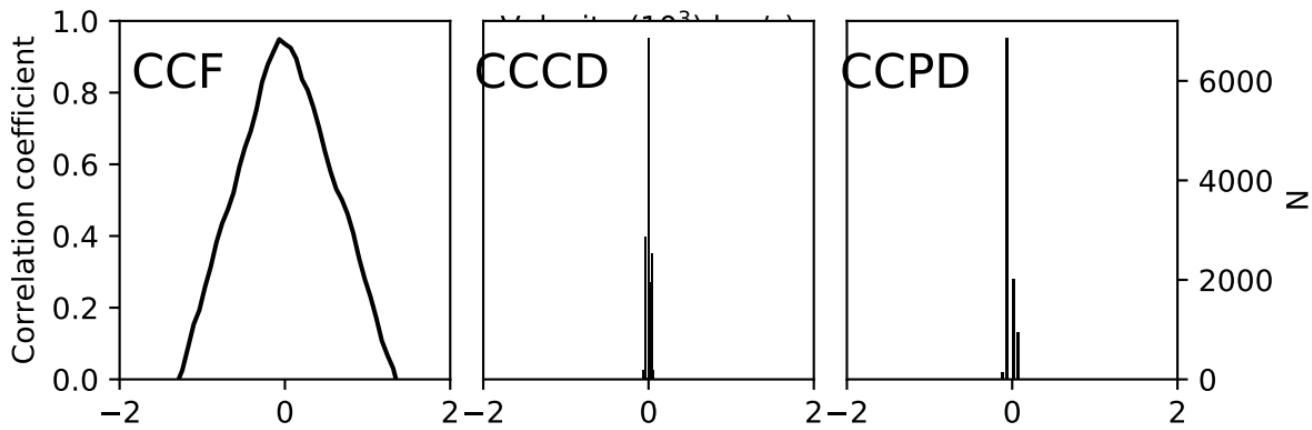
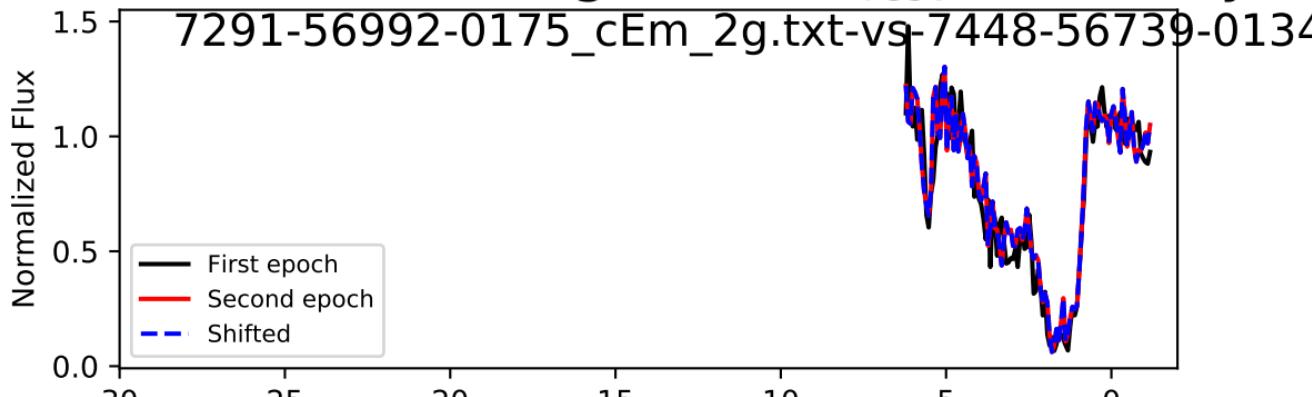


Shift:  $-68.8 + 9.6 - 32.7 \text{ km/s}$ , Accel:  $-0.049 + 0.007 - 0.023 \text{ cm/s}^2$

spectrum  $i = 75$ , Trough 0/0,  $\Delta t_{\text{rest}} = 4.196$  years

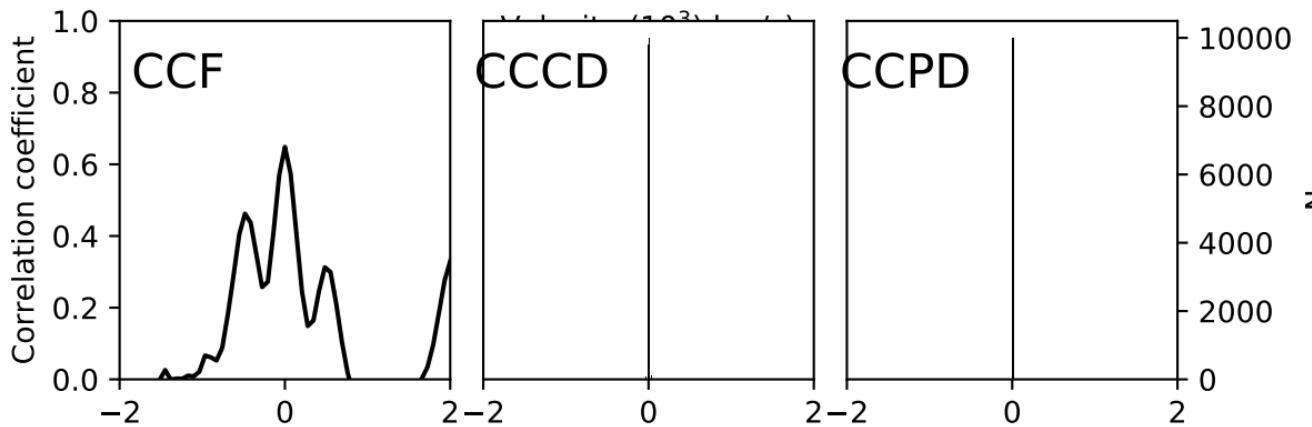
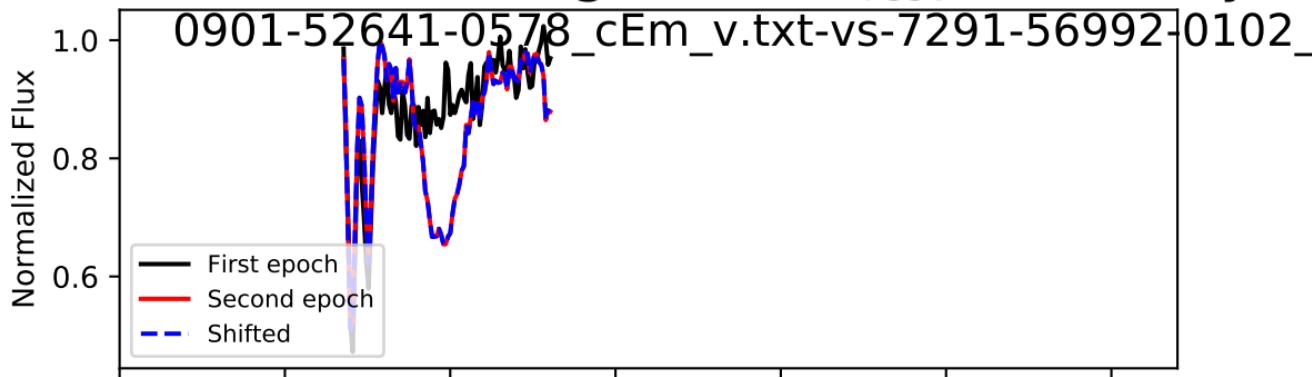


spectrum  $i = 75$ , Trough 0/0,  $\Delta t_{\text{rest}} = 0.259$  years



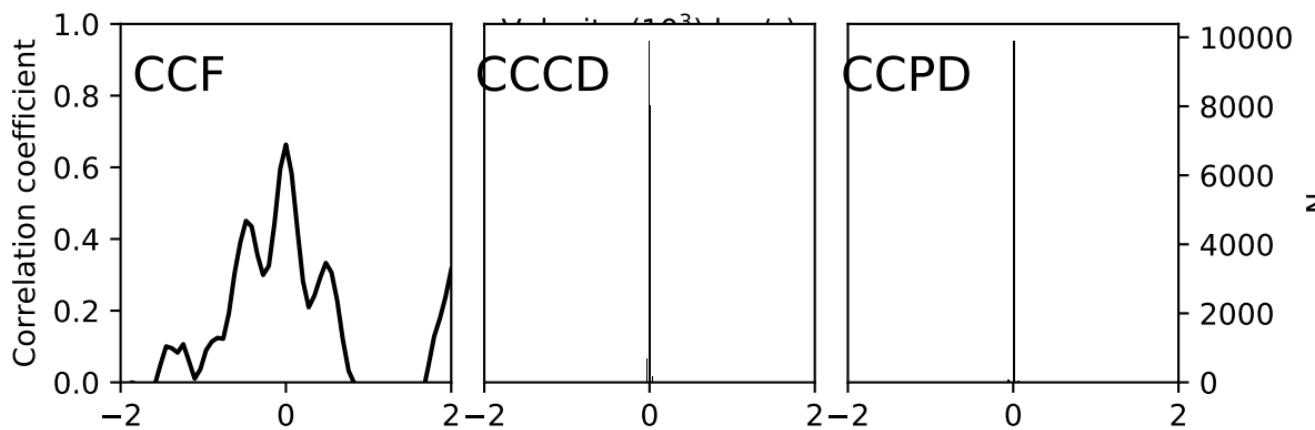
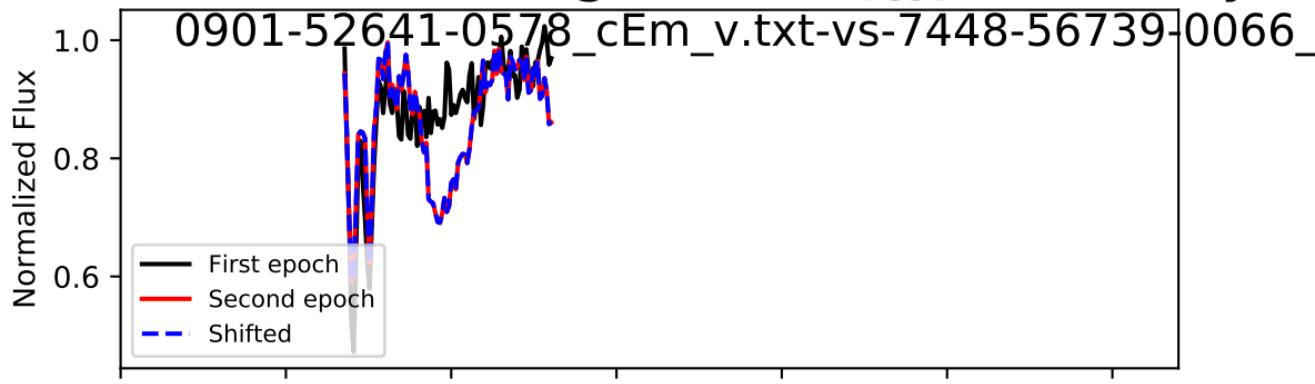
Shift:  $-1.8 + 31.8 - 31.6$  km/s, Accel:  $-0.022 + 0.390 - 0.387$  cm/s<sup>2</sup>

spectrum i = 76, Trough 0/0,  $\Delta t_{\text{rest}} = 4.054$  years



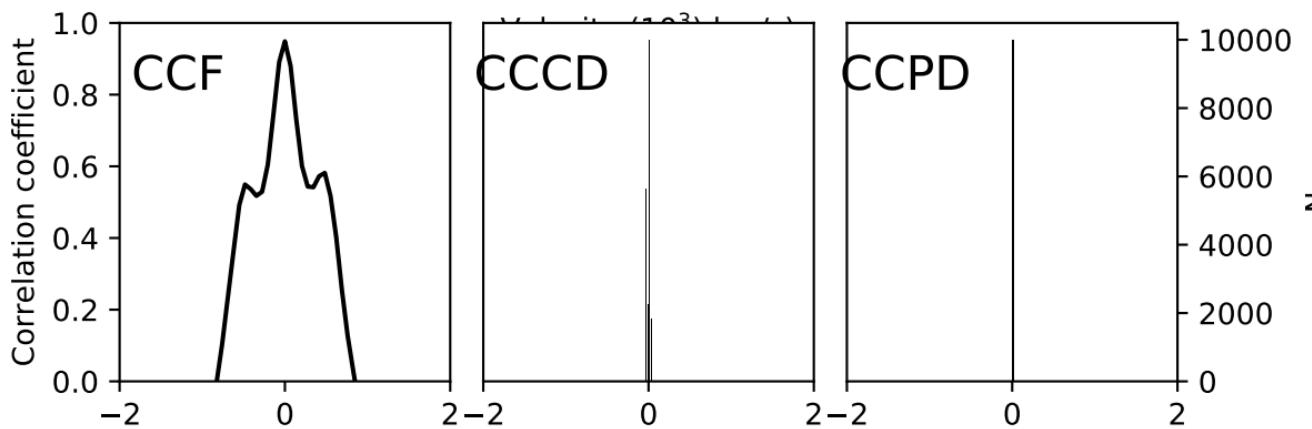
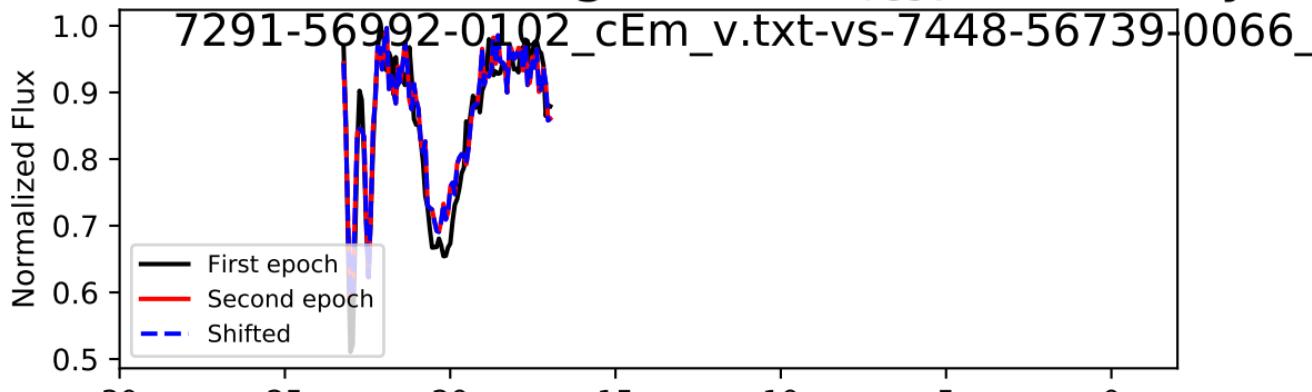
shift: 0.1 + 1.2 - 1.2 km/s, Accel: 0.000+ 0.001 - 0.001 cm

spectrum i = 76, Trough 0/0,  $\Delta t_{\text{rest}} = 3.819$  years



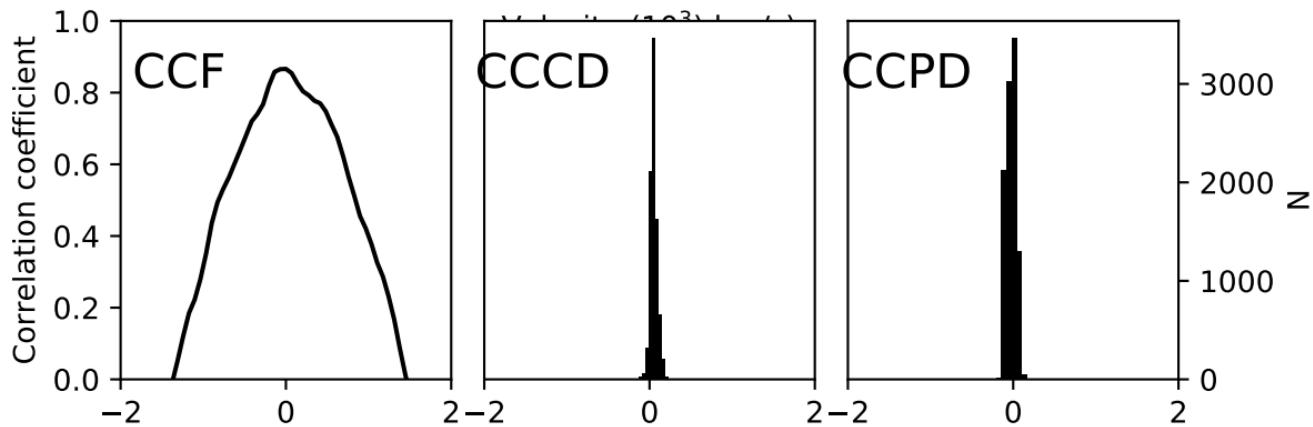
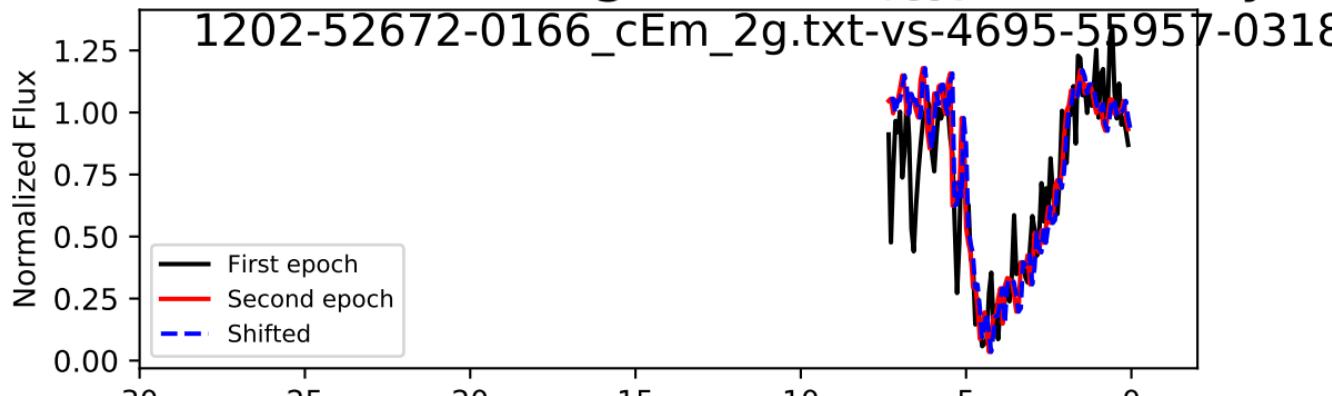
Shift: -0.5 + 1.5 - 1.5 km/s, Accel: -0.000+ 0.001 - 0.001 cm

spectrum  $i = 76$ , Trough 0/0,  $\Delta t_{\text{rest}} = 0.236$  years



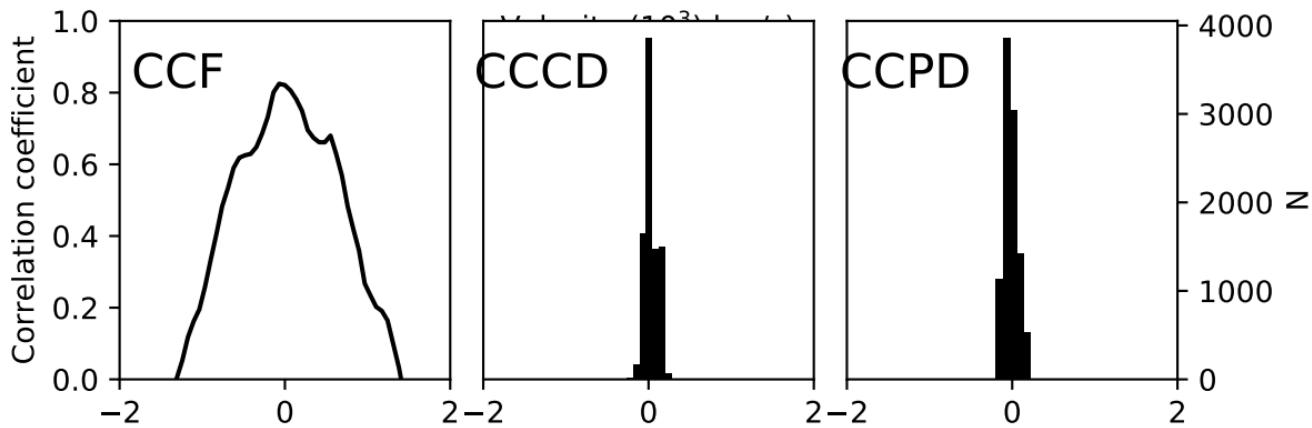
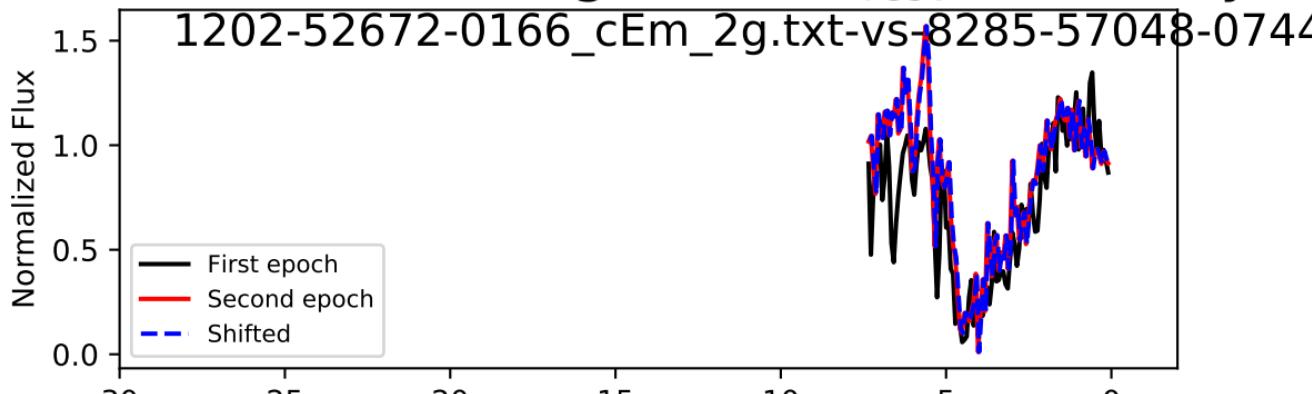
Shift:  $-0.4 + 0.9 - 30.6 \text{ km/s}$ , Accel:  $-0.006 + 0.013 - 0.411 \text{ cm/s}^2$

spectrum i = 77, Trough 0/0,  $\Delta t_{\text{rest}} = 3.311$  years

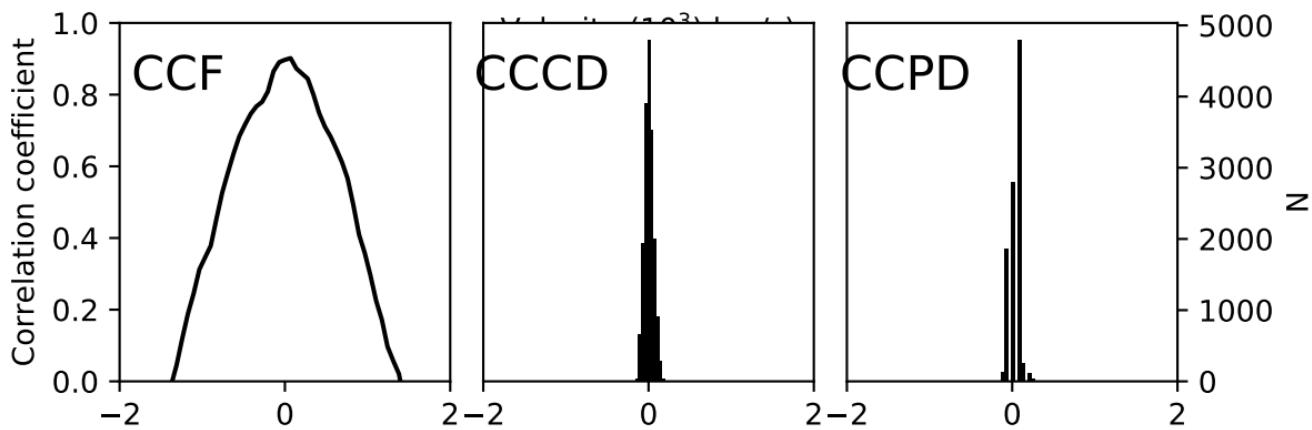
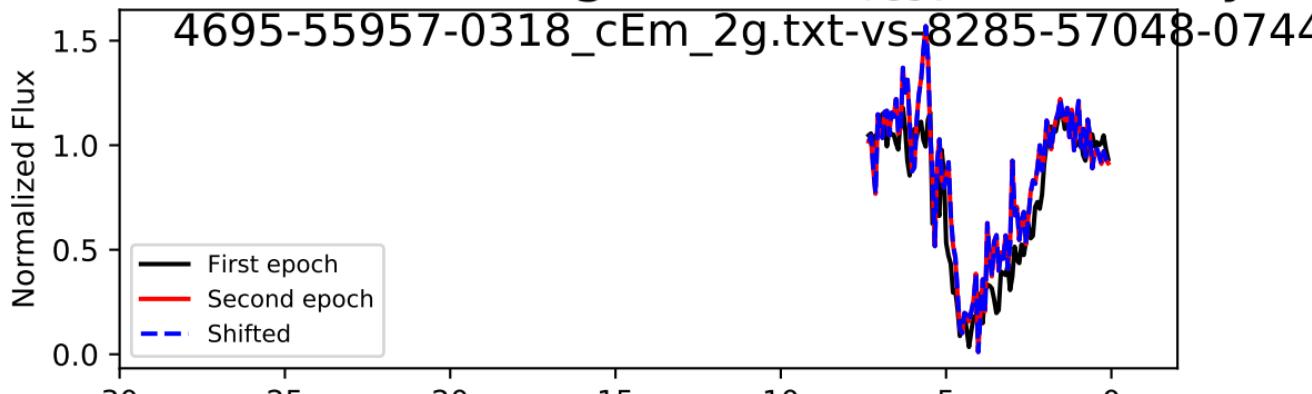


Shift:  $64.8 + 36.8 - 62.7$  km/s, Accel:  $0.062 + 0.035 - 0.060$  cm/s<sup>2</sup>

spectrum i = 77, Trough 0/0,  $\Delta t_{\text{rest}} = 4.411$  years

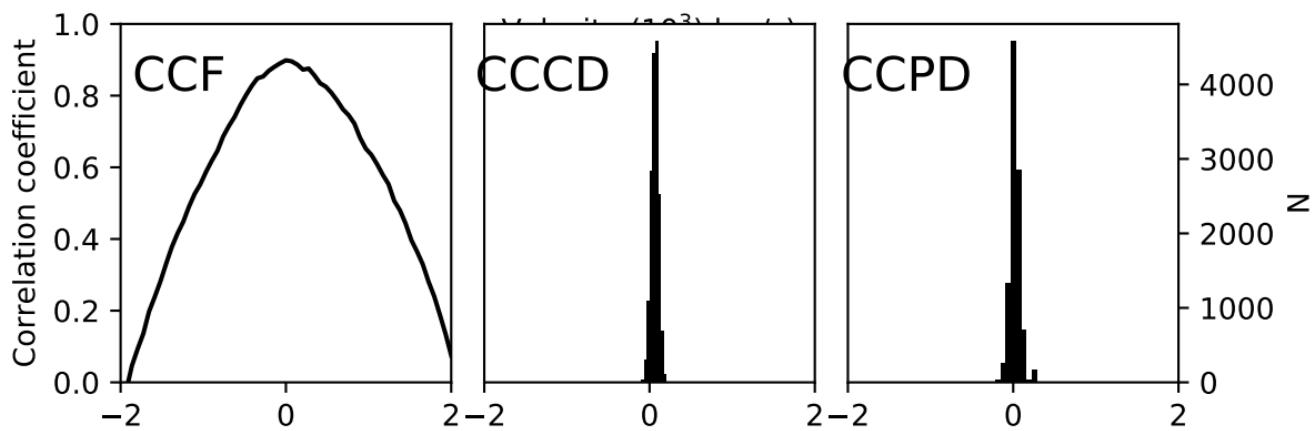
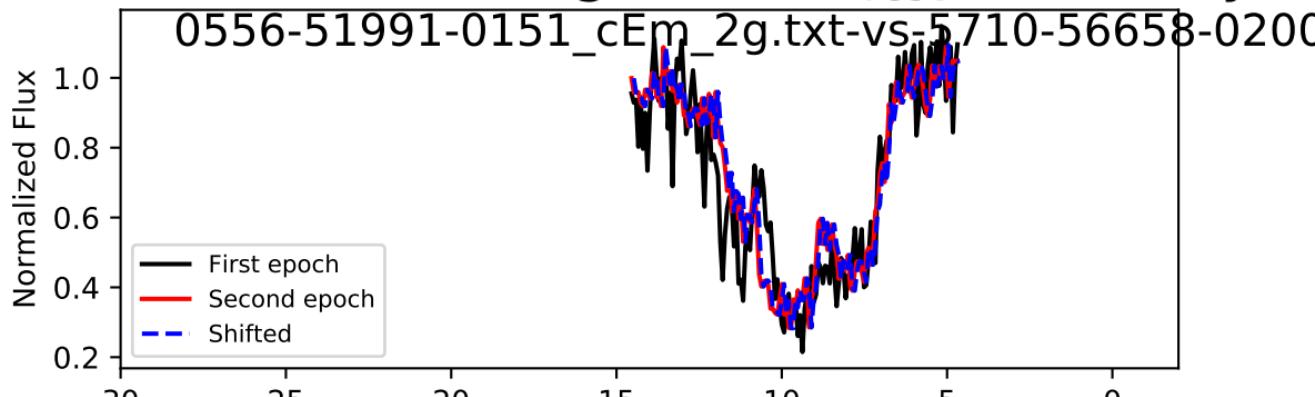


spectrum  $i = 77$ , Trough 0/0,  $\Delta t_{\text{rest}} = 1.100$  years

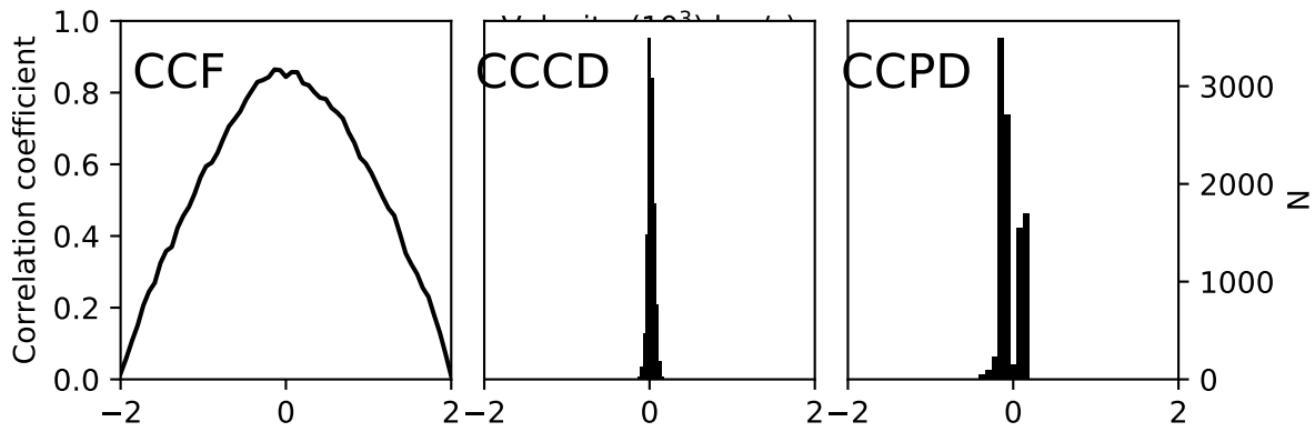
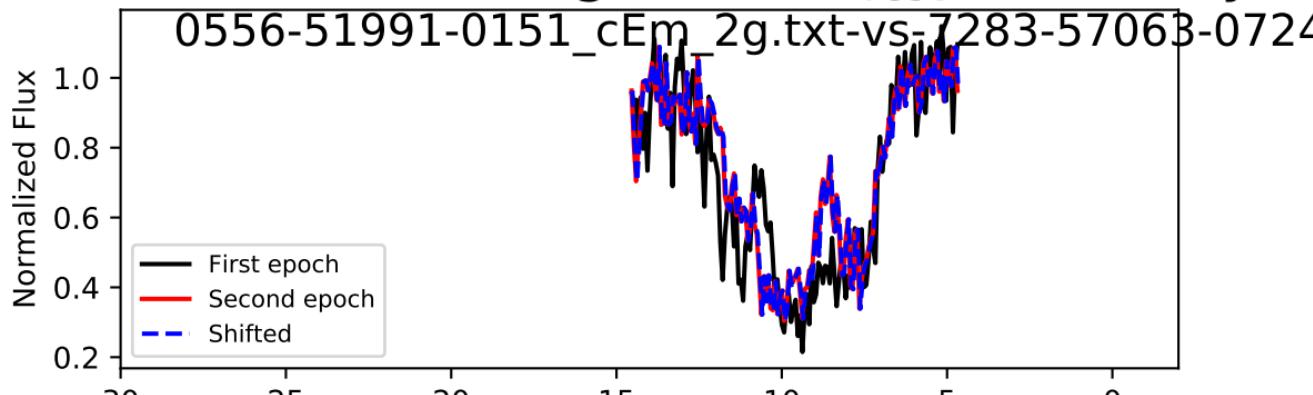


Shift:  $4.0 + 63.0 - 36.7$  km/s, Accel:  $0.012 + 0.182 - 0.106$  cm/s<sup>2</sup>

spectrum  $i = 78$ , Trough 0/0,  $\Delta t_{\text{rest}} = 4.226$  years

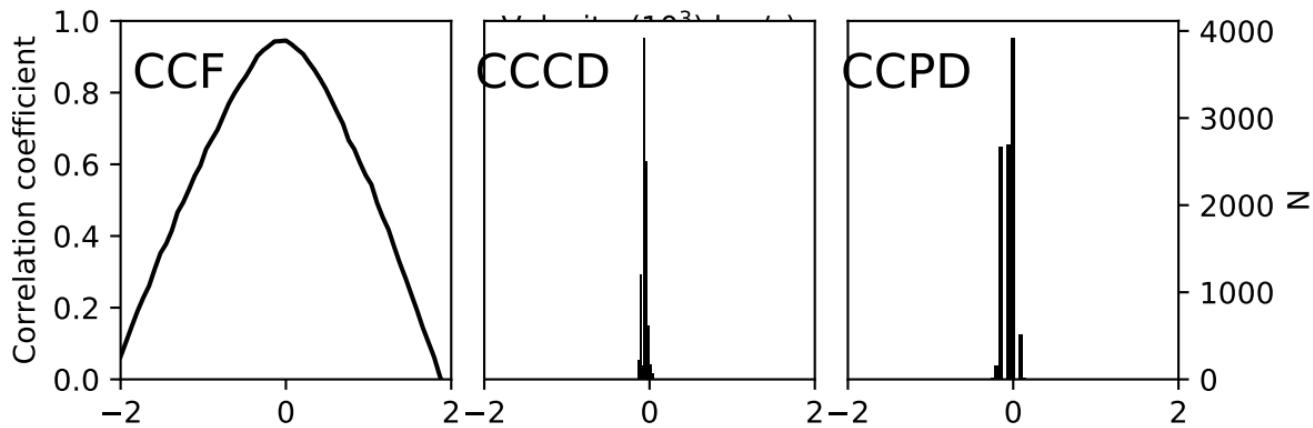
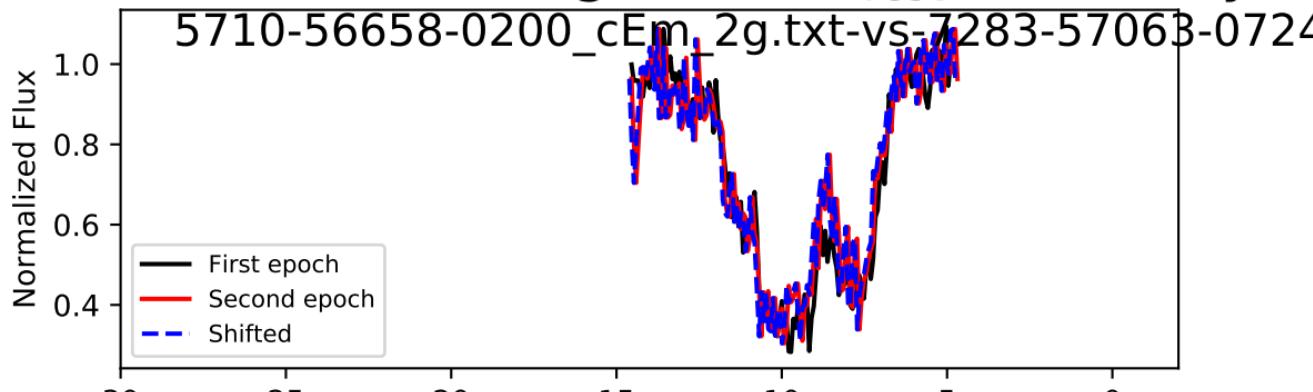


spectrum i = 78, Trough 0/0,  $\Delta t_{\text{rest}} = 4.593$  years

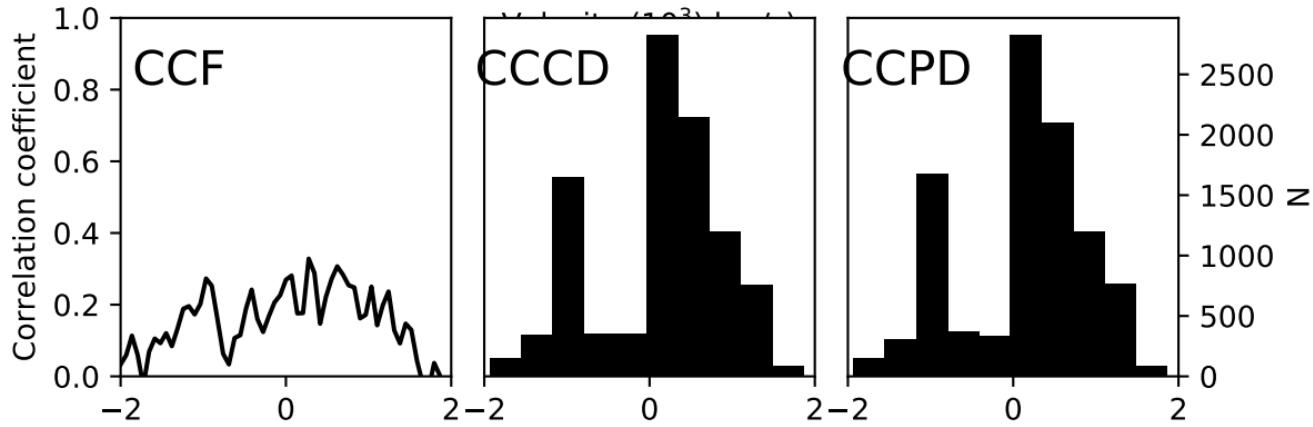
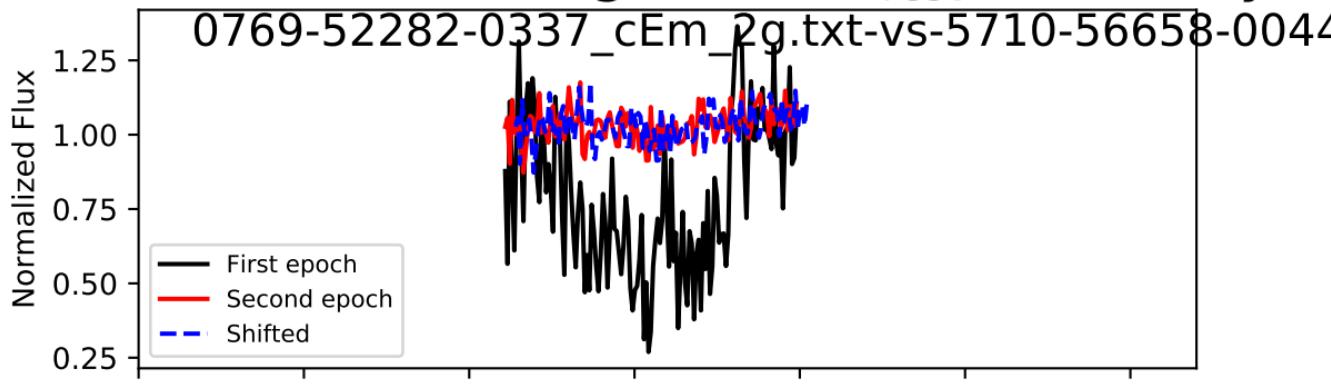


Shift:  $26.0 + 39.6 - 59.3$  km/s, Accel:  $0.018 + 0.027 - 0.041$  cm/s<sup>2</sup>

spectrum  $i = 78$ , Trough 0/0,  $\Delta t_{\text{rest}} = 0.367$  years

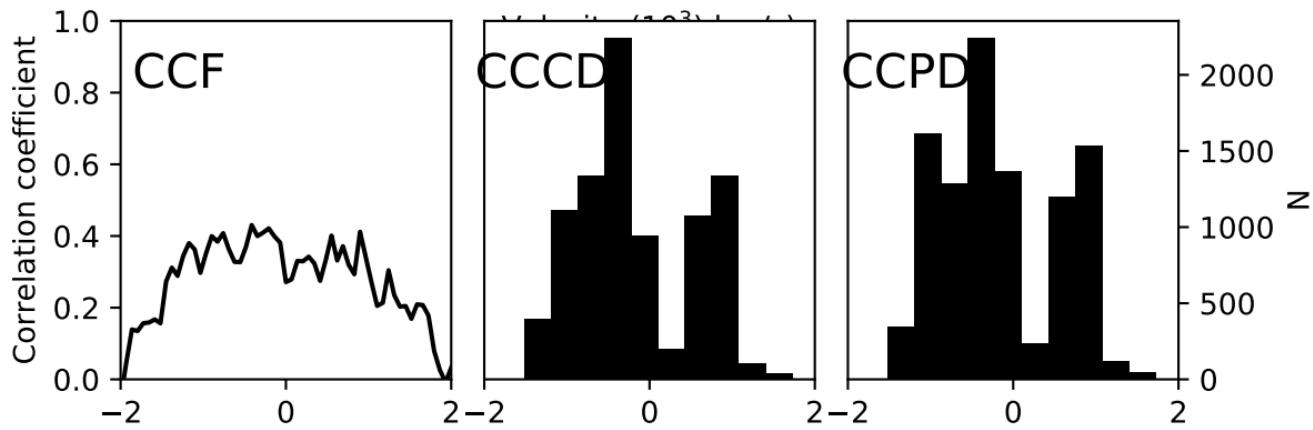
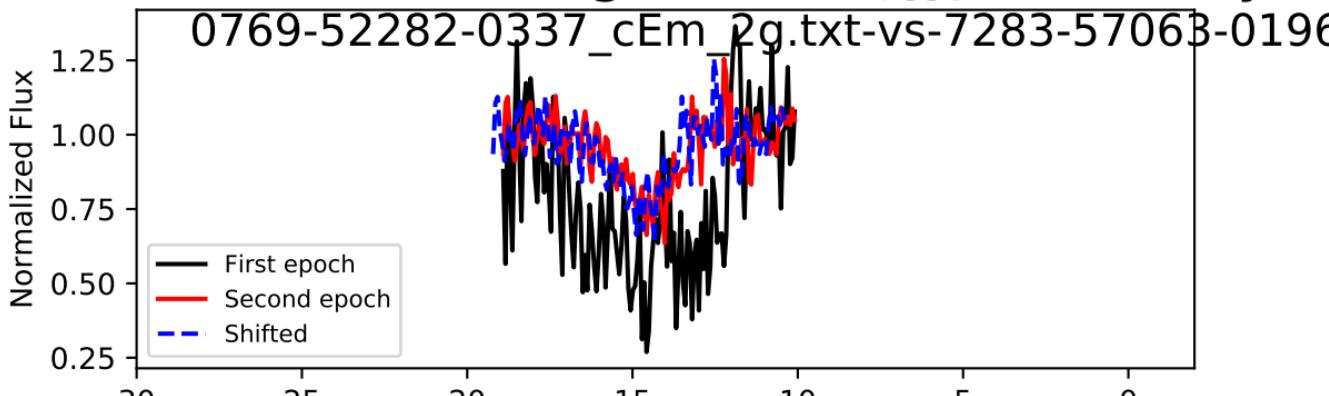


spectrum i = 79, Trough 0/0,  $\Delta t_{\text{rest}} = 4.124$  years



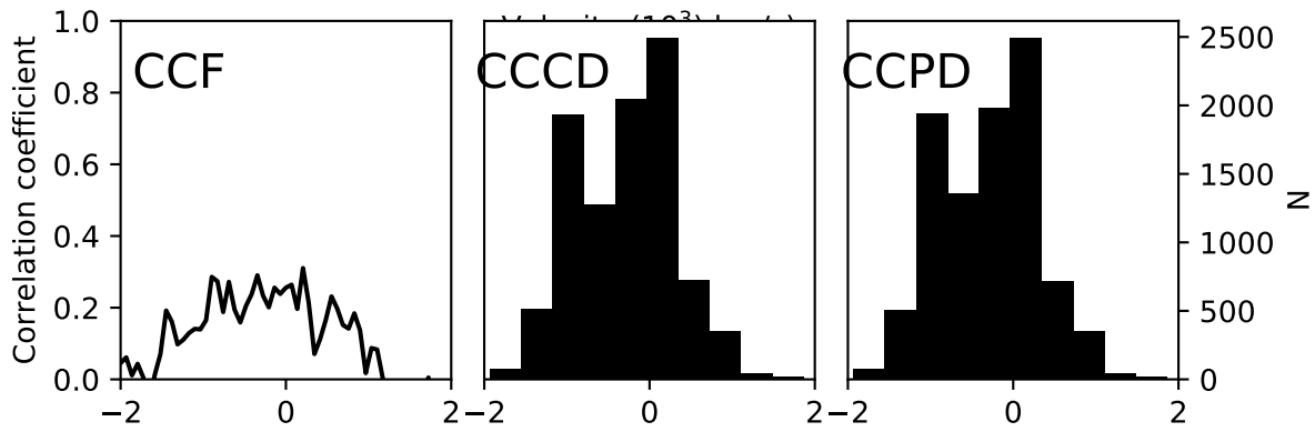
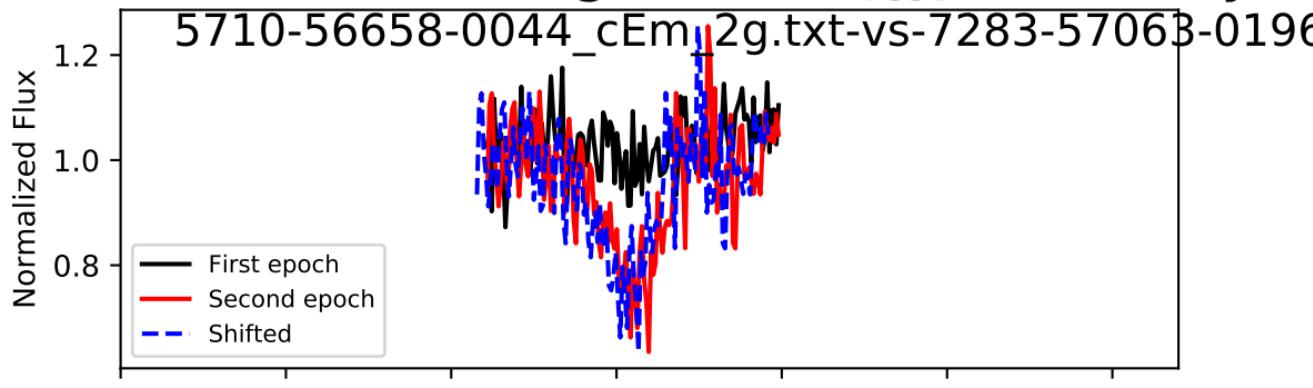
: 308.3 + 519.7 - 1241.8 km/s, Accel: 0.237+ 0.400 - 0.955 c

spectrum i = 79, Trough 0/0,  $\Delta t_{\text{rest}} = 4.506$  years



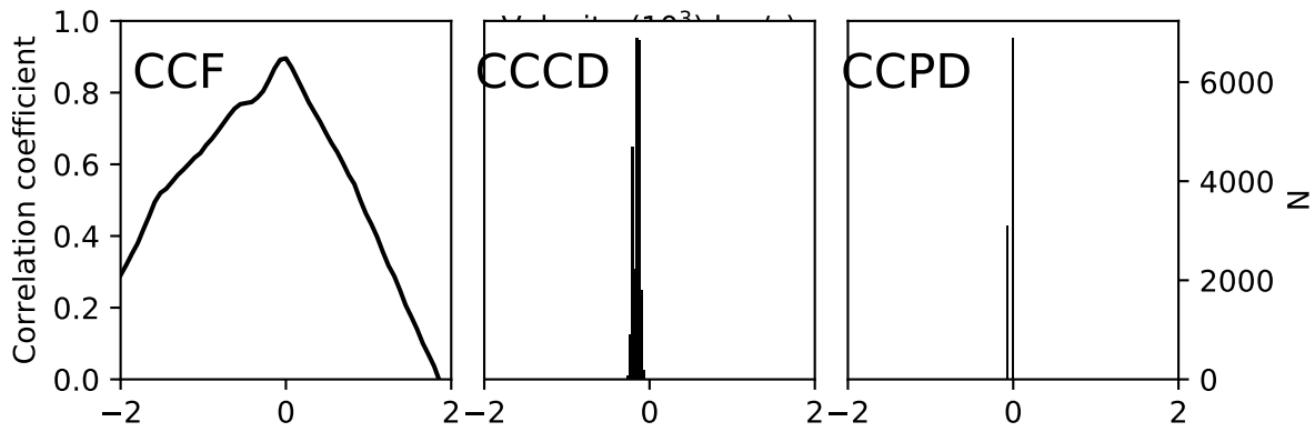
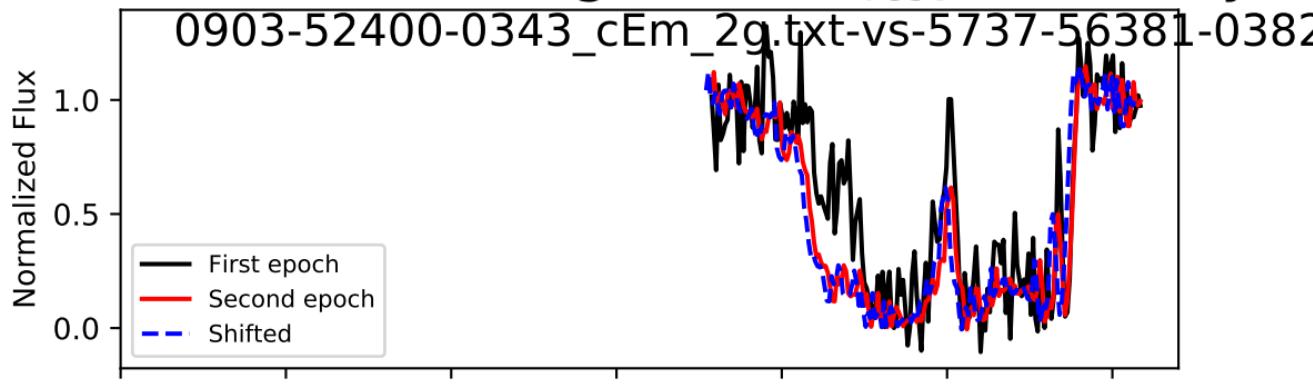
$-306.9 + 1168.2 - 590.1 \text{ km/s}$ , Accel:  $-0.216 + 0.822 - 0.415$

spectrum i = 79, Trough 0/0,  $\Delta t_{\text{rest}} = 0.382$  years



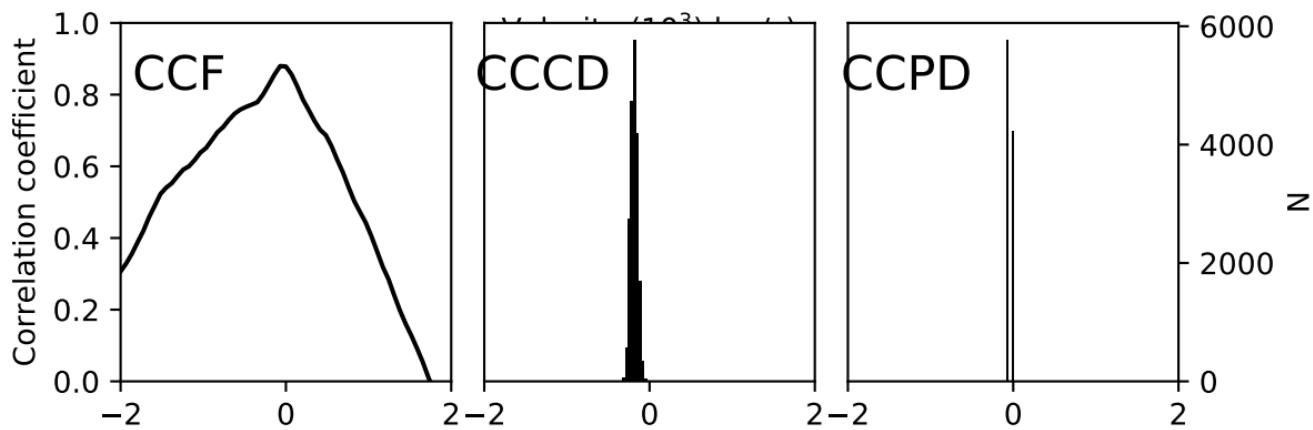
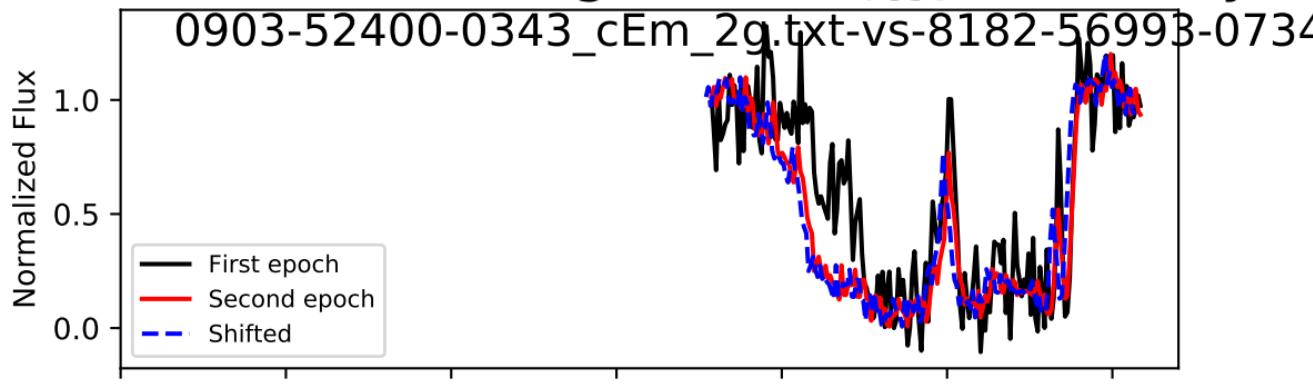
: -309.9 + 516.9 - 587.1 km/s, Accel: -2.575+ 4.295 - 4.878

spectrum  $i = 80$ , Trough 0/0,  $\Delta t_{\text{rest}} = 3.272$  years



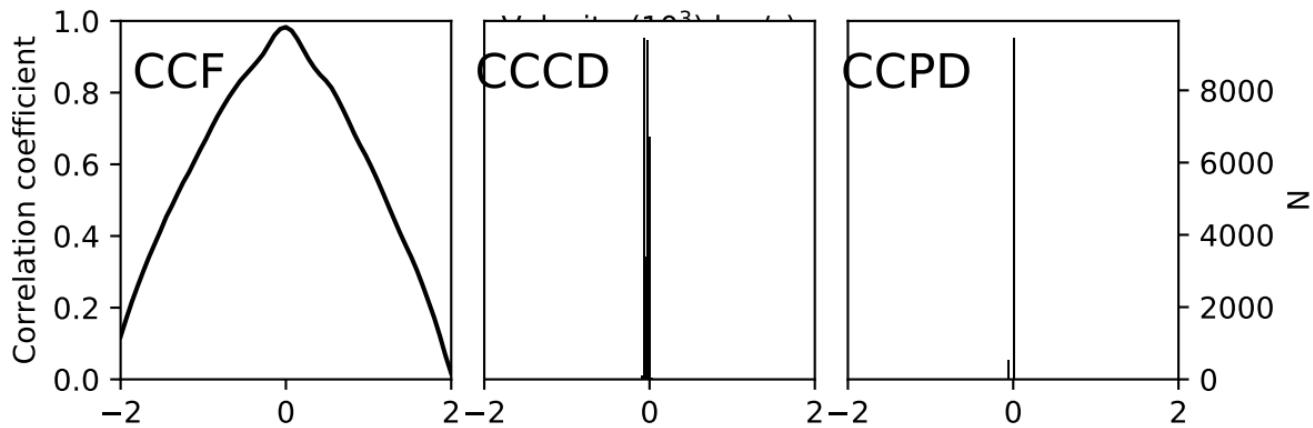
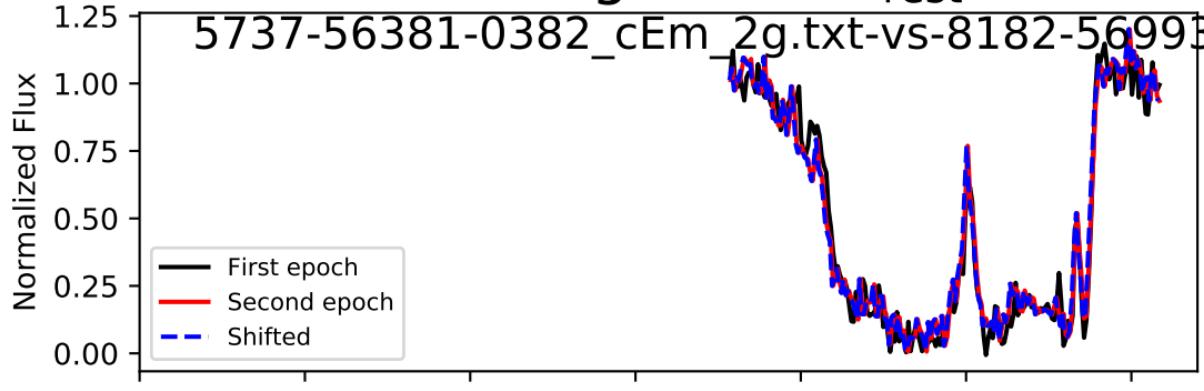
$t: -164.6 + 33.4 - 33.6 \text{ km/s}$ , Accel:  $-0.160 + 0.032 - 0.033 \text{ cm/s}^2$

spectrum  $i = 80$ , Trough 0/0,  $\Delta t_{\text{rest}} = 3.776$  years

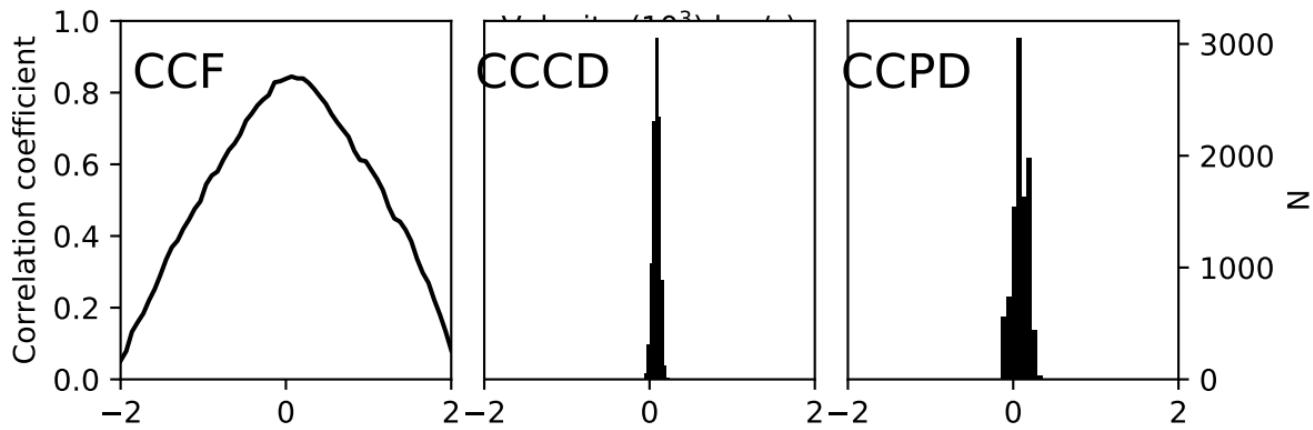
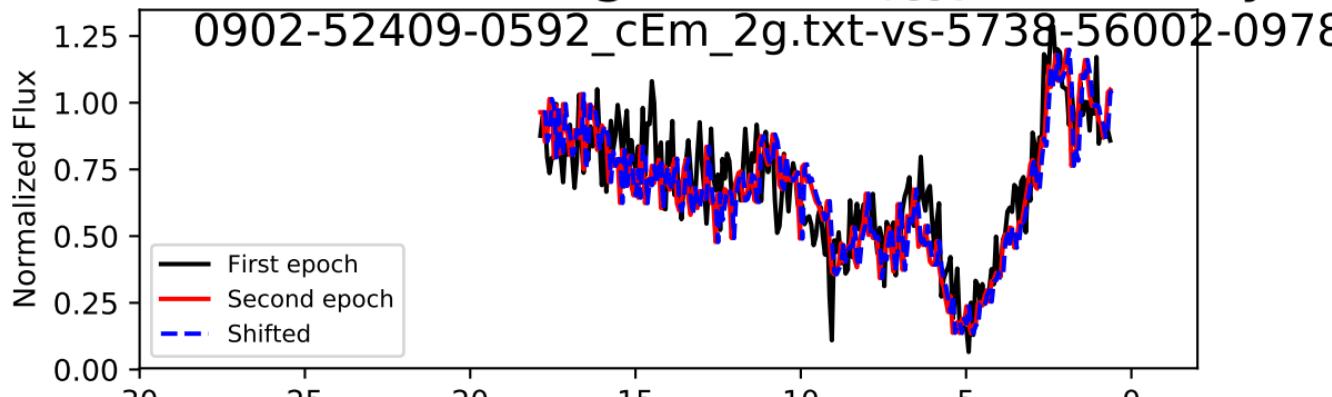


t:  $-168.5 + 34.6 - 62.5$  km/s, Accel:  $-0.141 + 0.029 - 0.053$  cm/s<sup>2</sup>

spectrum  $i = 80$ , Trough 0/0,  $\Delta t_{\text{rest}} = 0.503$  years

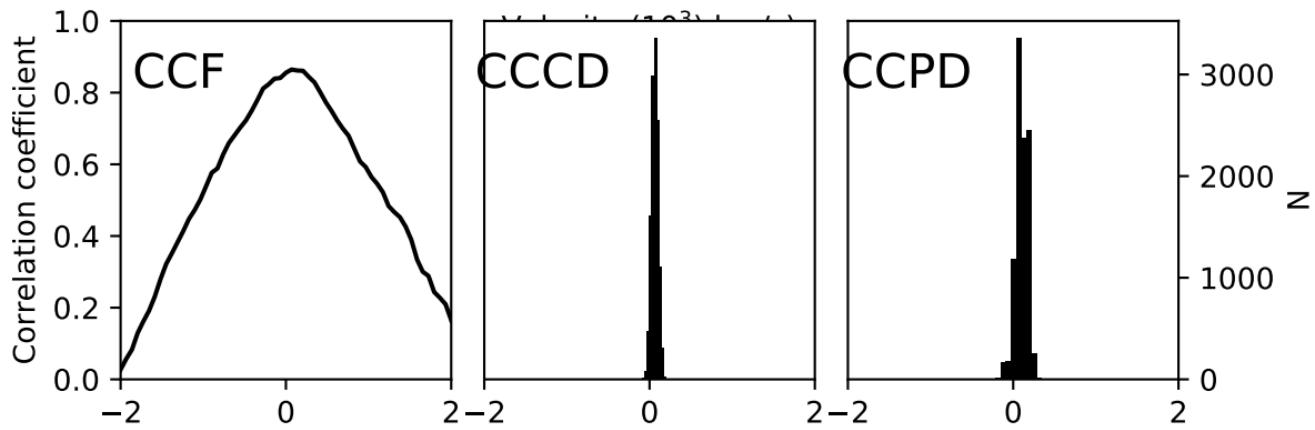
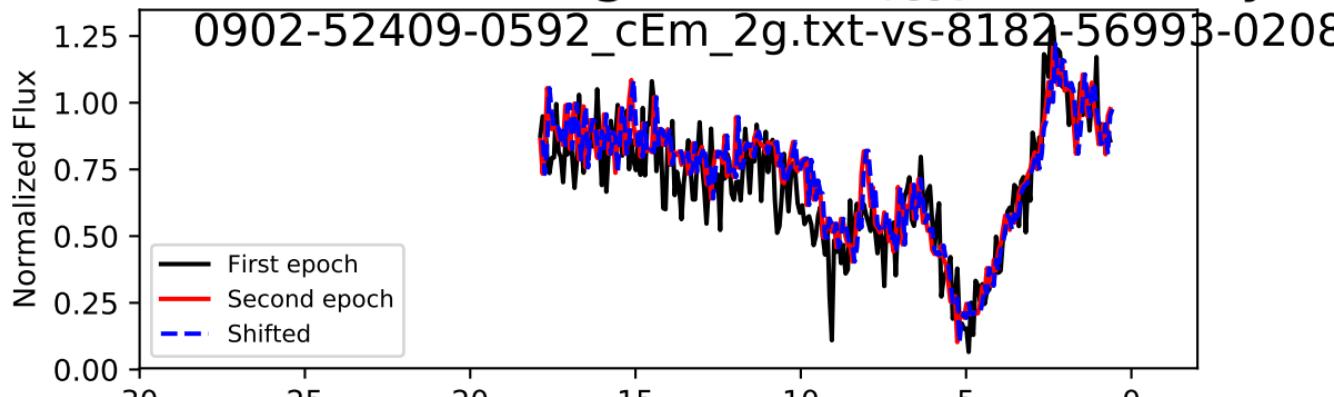


spectrum i = 81, Trough 0/0,  $\Delta t_{\text{rest}} = 3.160$  years

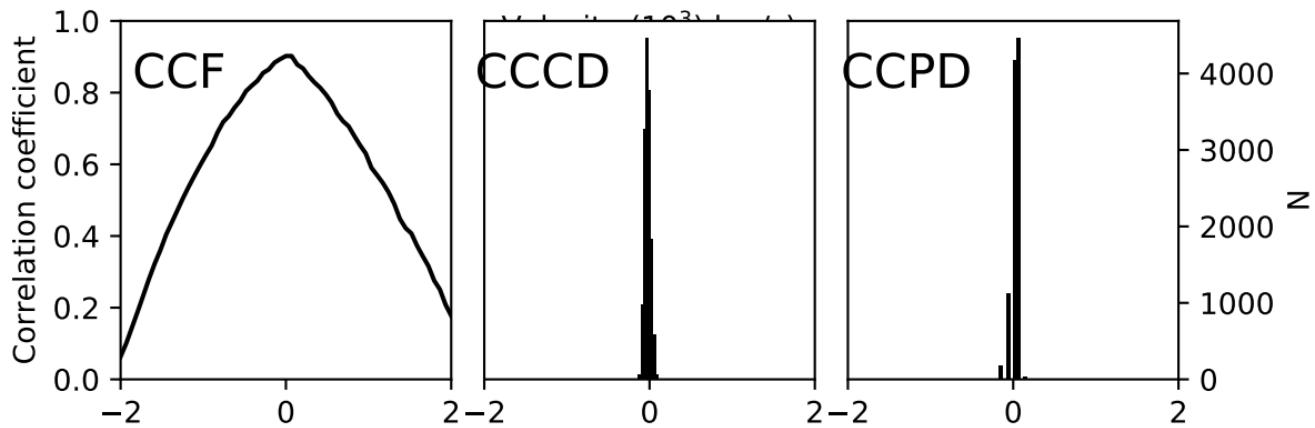
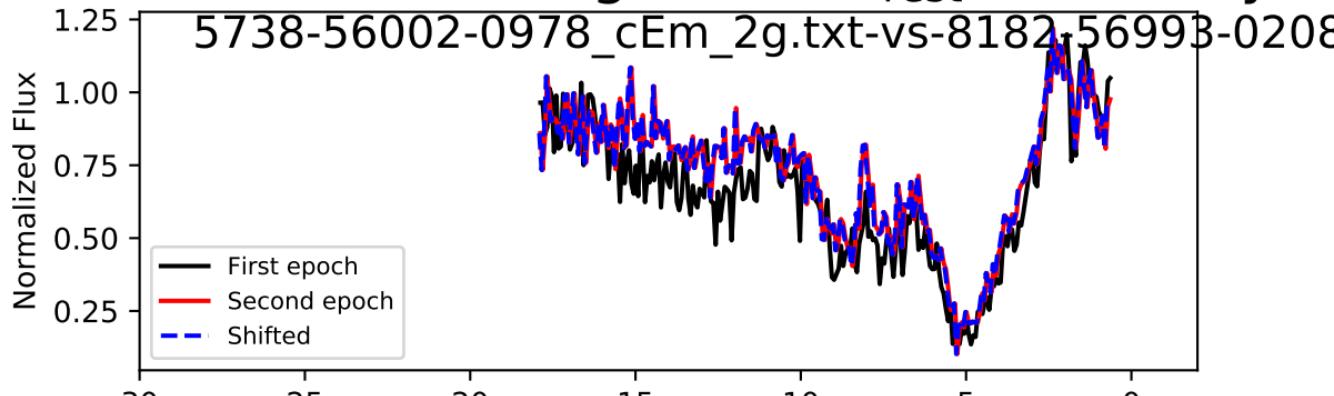


Shift:  $74.4 + 58.1 - 38.1$  km/s, Accel:  $0.075 + 0.058 - 0.038$  cm/s<sup>2</sup>

spectrum  $i = 81$ , Trough 0/0,  $\Delta t_{\text{rest}} = 4.032$  years

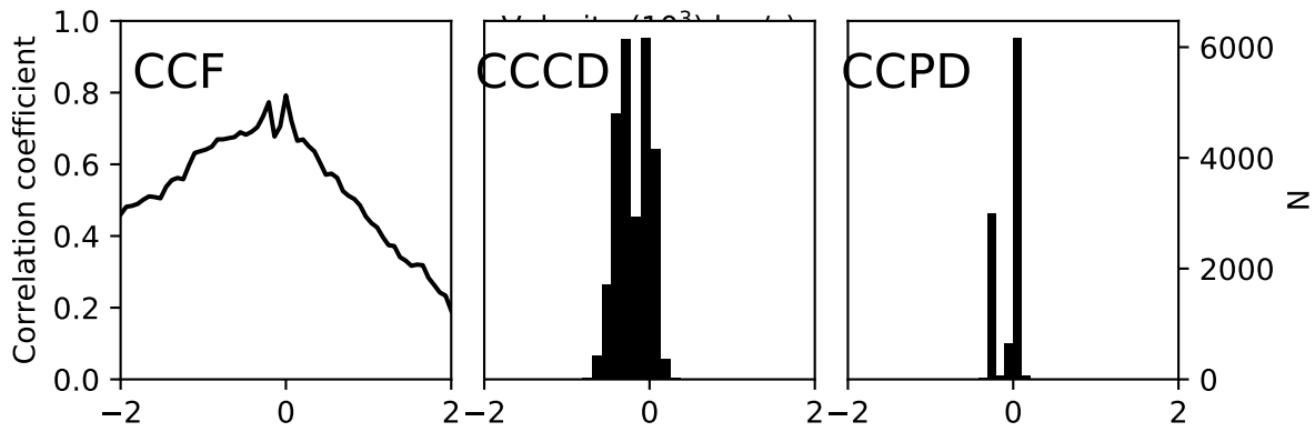
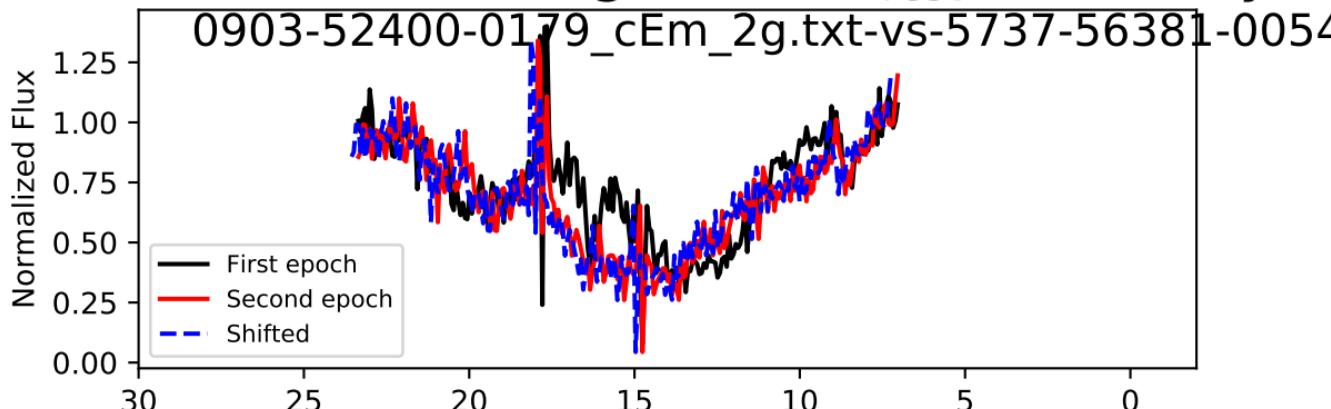


spectrum i = 81, Trough 0/0,  $\Delta t_{\text{rest}} = 0.872$  years



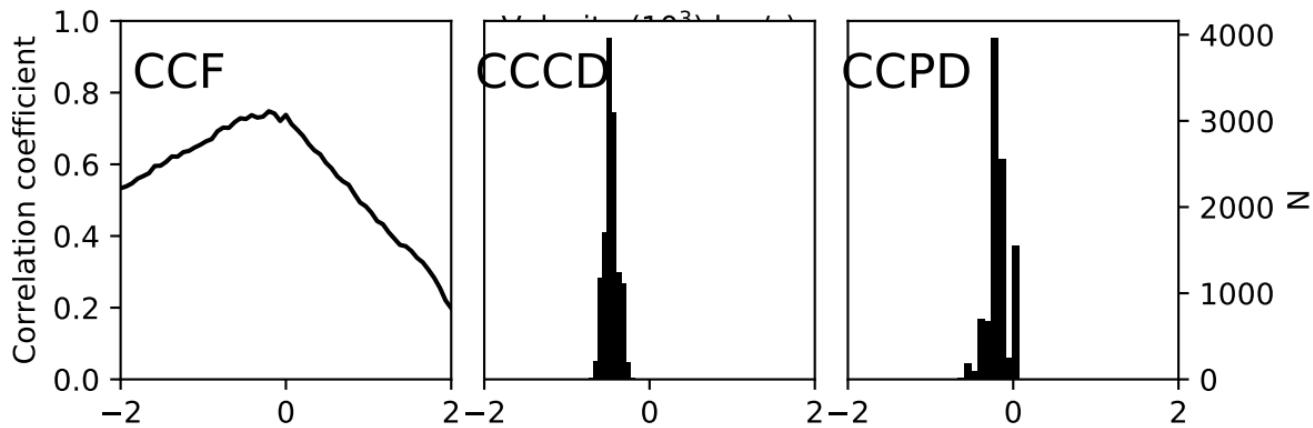
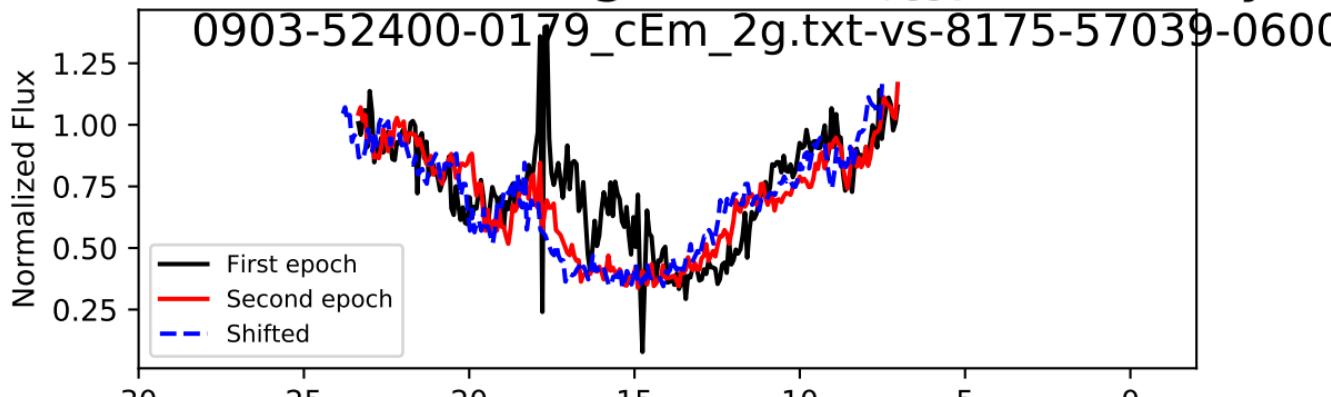
ft: -31.5 + 60.4 - 34.0 km/s, Accel: -0.115+ 0.220 - 0.124 cm

spectrum i = 82, Trough 0/0,  $\Delta t_{\text{rest}} = 2.527$  years



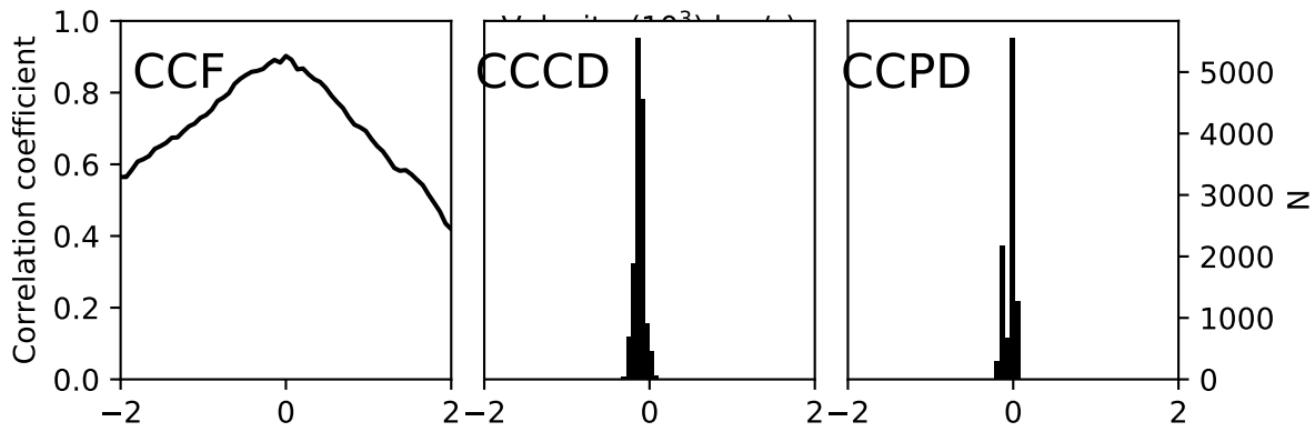
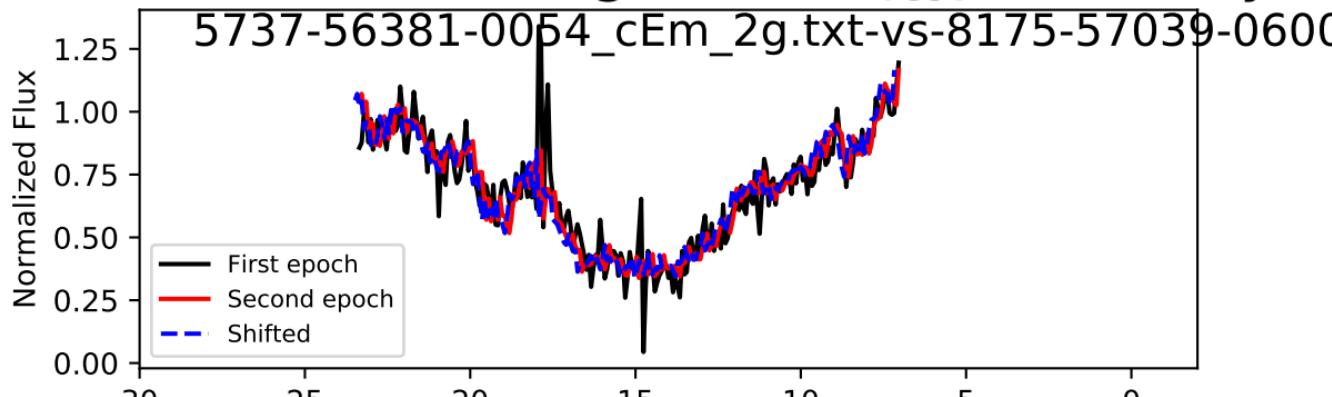
: -207.0 + 238.0 - 194.5 km/s, Accel: -0.260+ 0.299 - 0.244 c

spectrum  $i = 82$ , Trough 0/0,  $\Delta t_{\text{rest}} = 2.944$  years



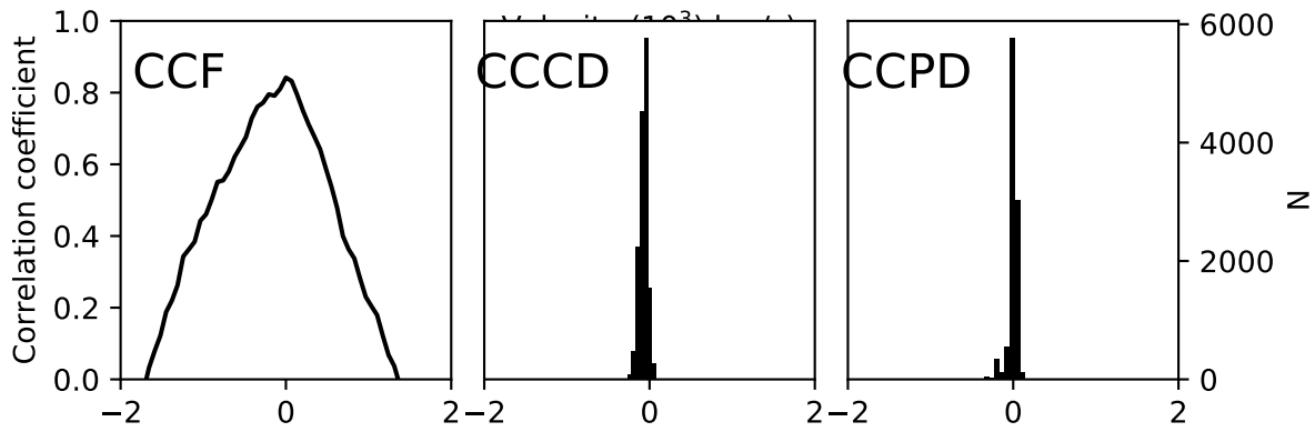
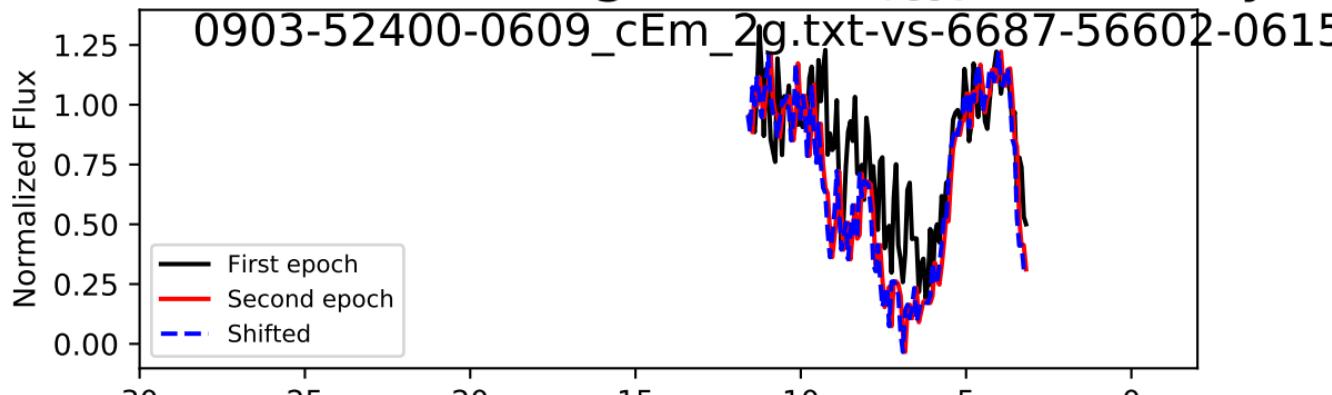
t:  $-470.2 + 96.4 - 70.2 \text{ km/s}$ , Accel:  $-0.506 + 0.104 - 0.076 \text{ cm/s}^2$

spectrum  $i = 82$ , Trough 0/0,  $\Delta t_{\text{rest}} = 0.418$  years

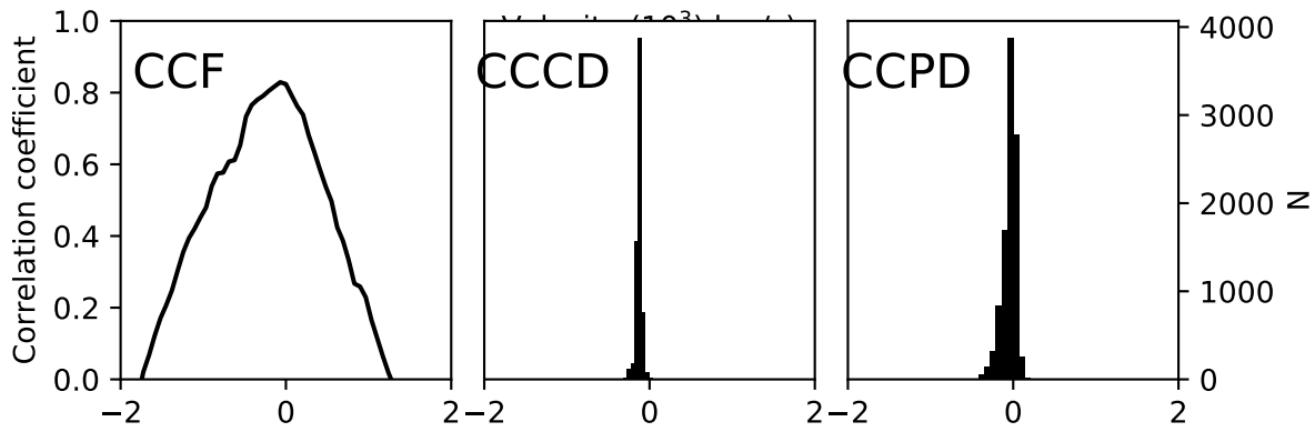
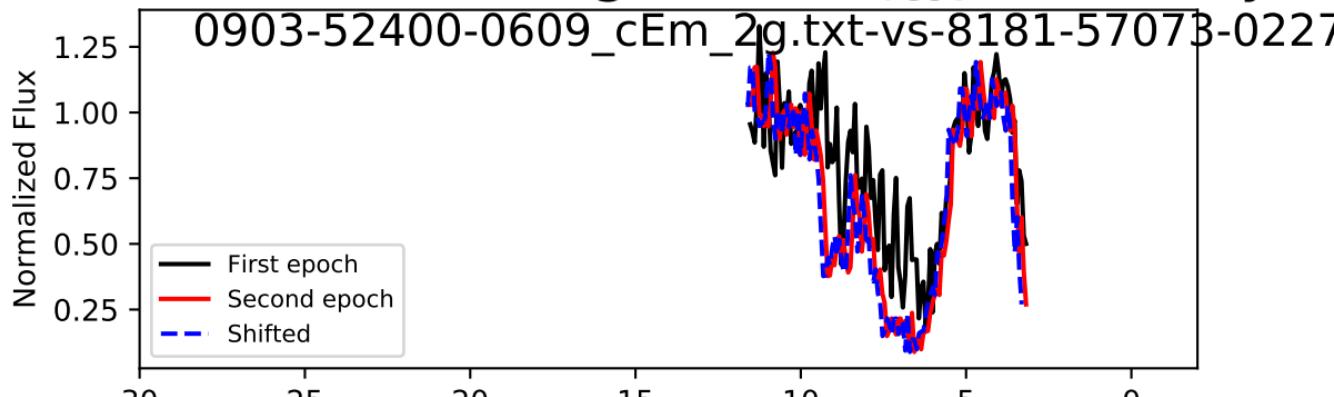


t:  $-132.9 + 64.9 - 42.4$  km/s, Accel:  $-1.009 + 0.493 - 0.322$  cm/s<sup>2</sup>

spectrum  $i = 83$ , Trough 0/0,  $\Delta t_{\text{rest}} = 3.780$  years

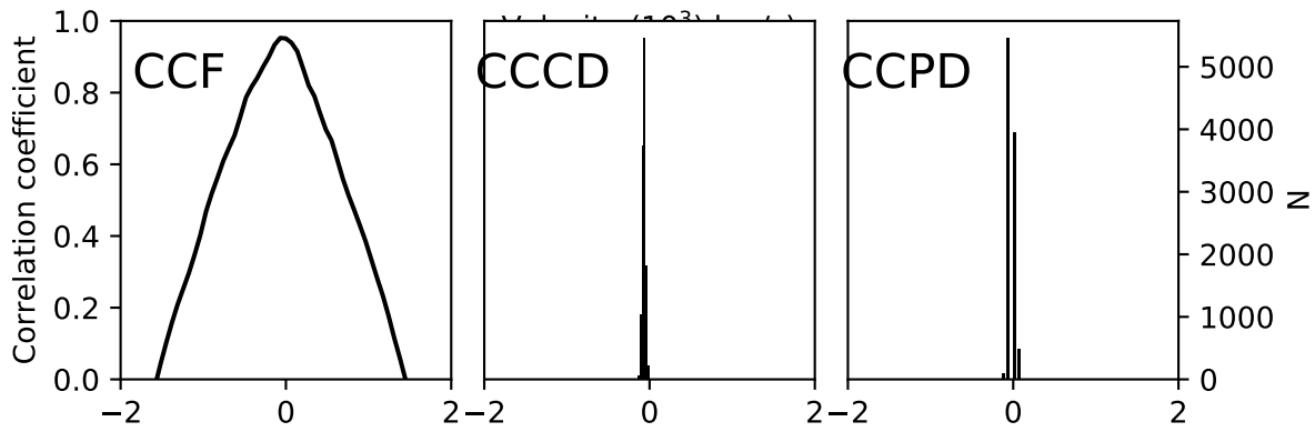
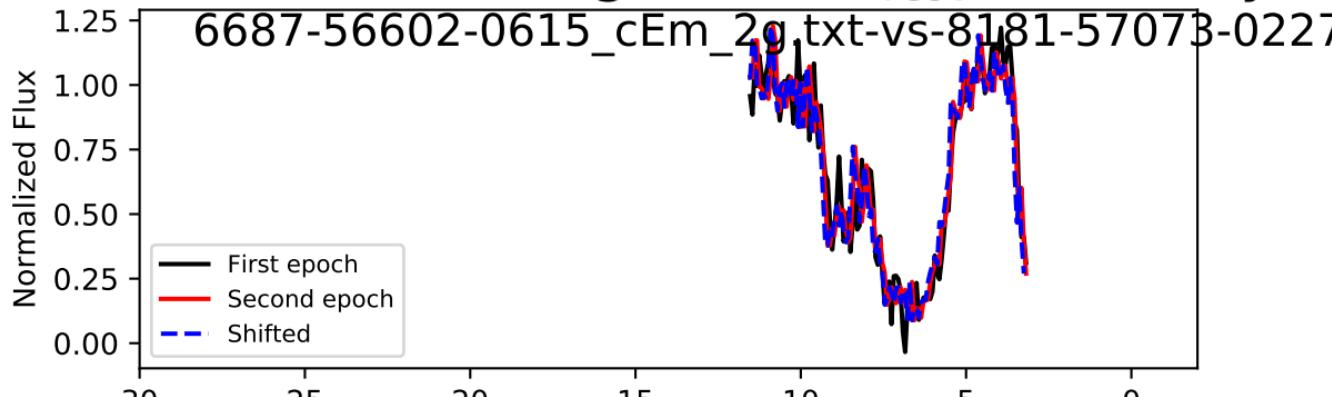


spectrum i = 83, Trough 0/0,  $\Delta t_{\text{rest}} = 4.204$  years



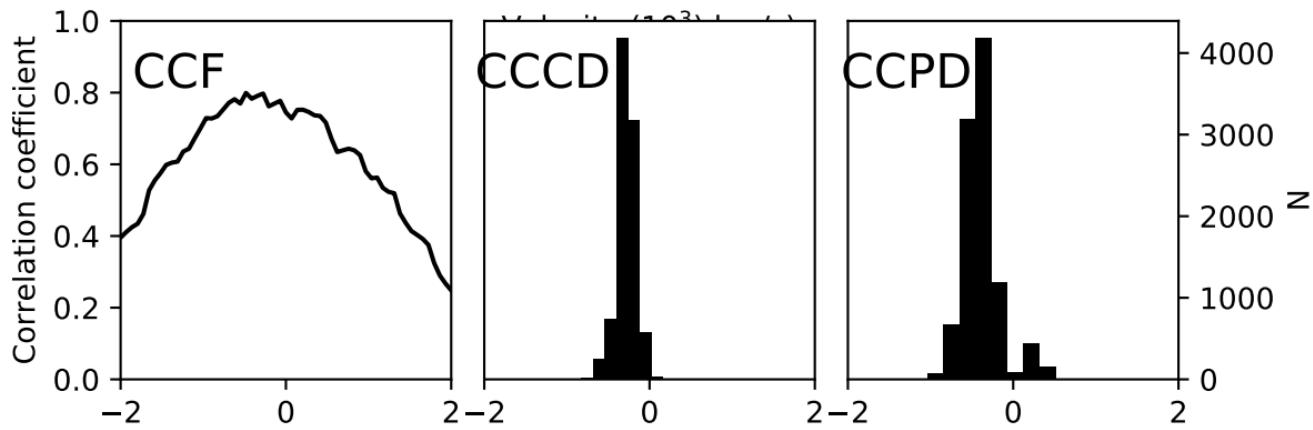
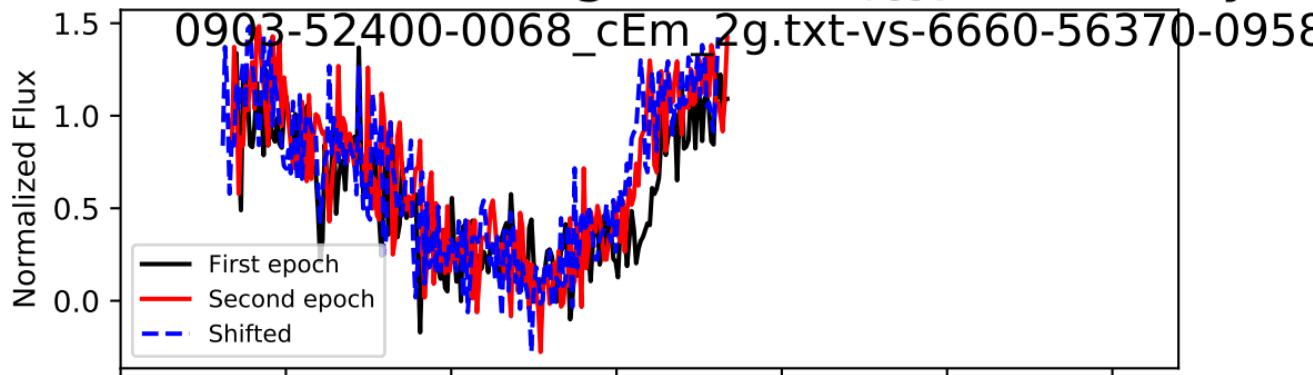
t: -133.6 + 33.8 - 36.0 km/s, Accel: -0.101+ 0.026 - 0.027 cm/s<sup>2</sup>

spectrum  $i = 83$ , Trough 0/0,  $\Delta t_{\text{rest}} = 0.424$  years



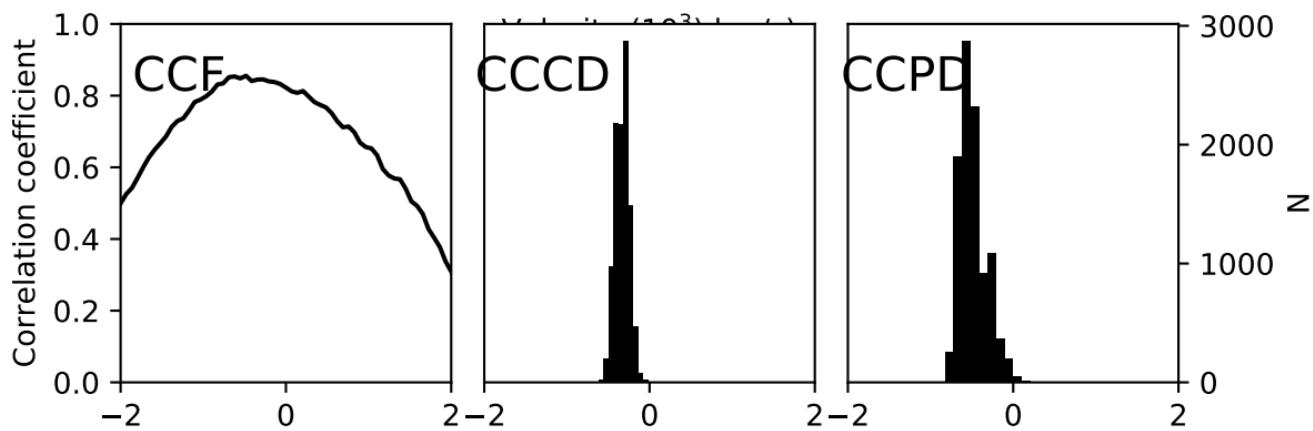
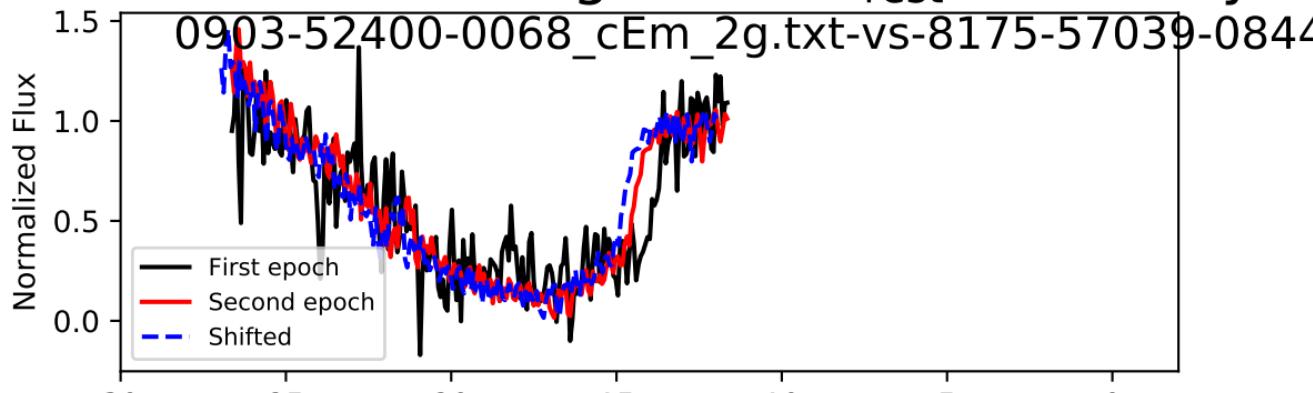
Sift:  $-66.8 + 29.9 - 2.8 \text{ km/s}$ , Accel:  $-0.500 + 0.224 - 0.021 \text{ cm/s}^2$

spectrum  $i = 84$ , Trough 0/1,  $\Delta t_{\text{rest}} = 3.139$  years



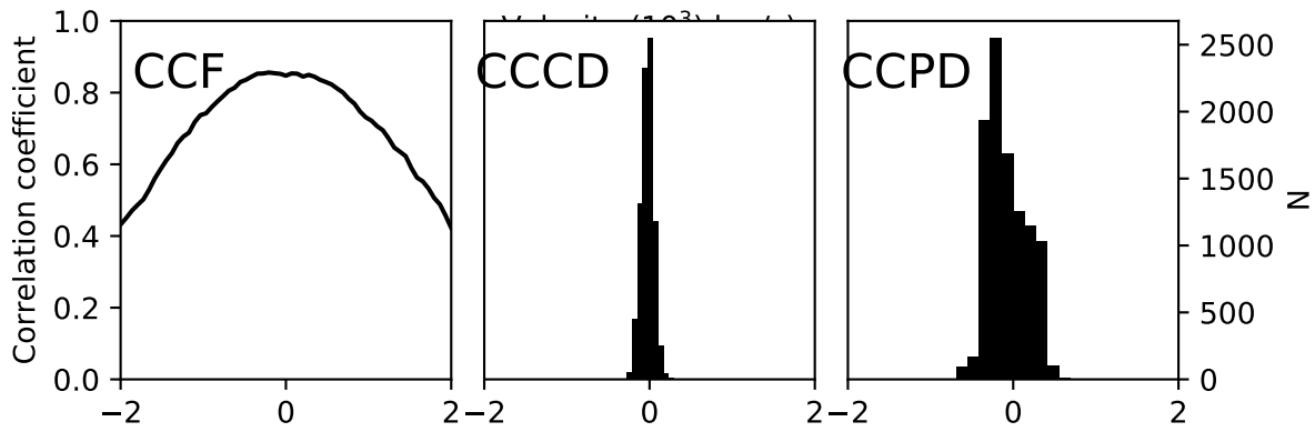
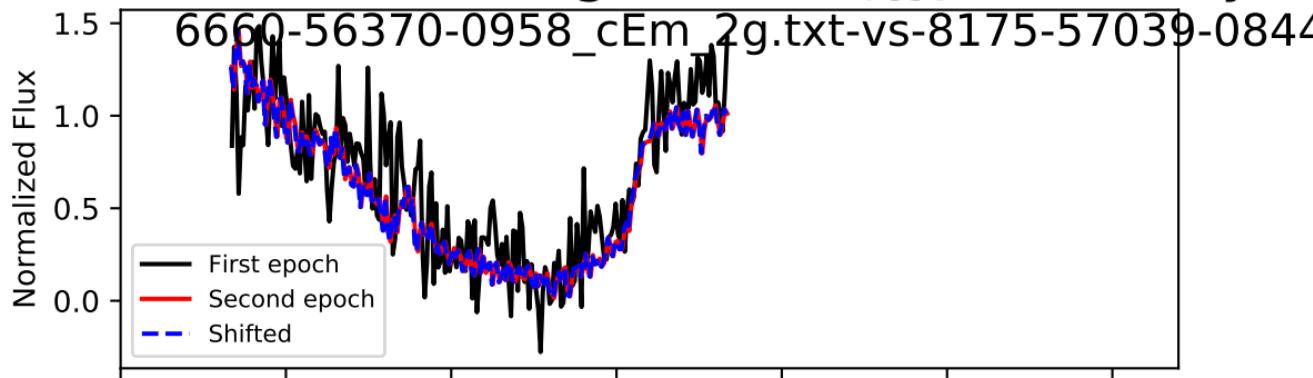
t:  $-276.4 + 97.3 - 95.8$  km/s, Accel:  $-0.279 + 0.098 - 0.097$  cm/s<sup>2</sup>

spectrum i = 84, Trough 0/1,  $\Delta t_{\text{rest}} = 3.668$  years

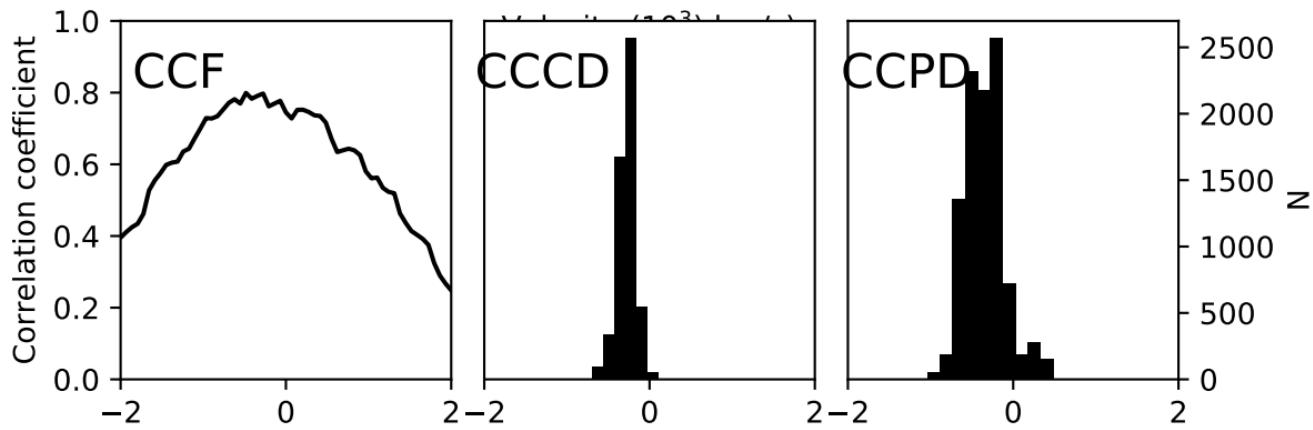
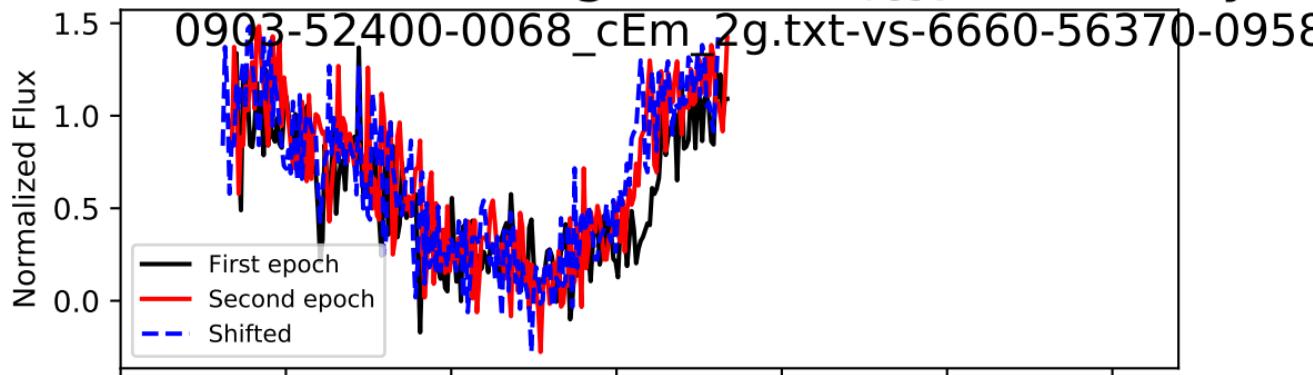


t: -318.9 + 70.5 - 97.3 km/s, Accel: -0.276+ 0.061 - 0.084 cm/s<sup>2</sup>

spectrum  $i = 84$ , Trough 0/1,  $\Delta t_{\text{rest}} = 0.529$  years

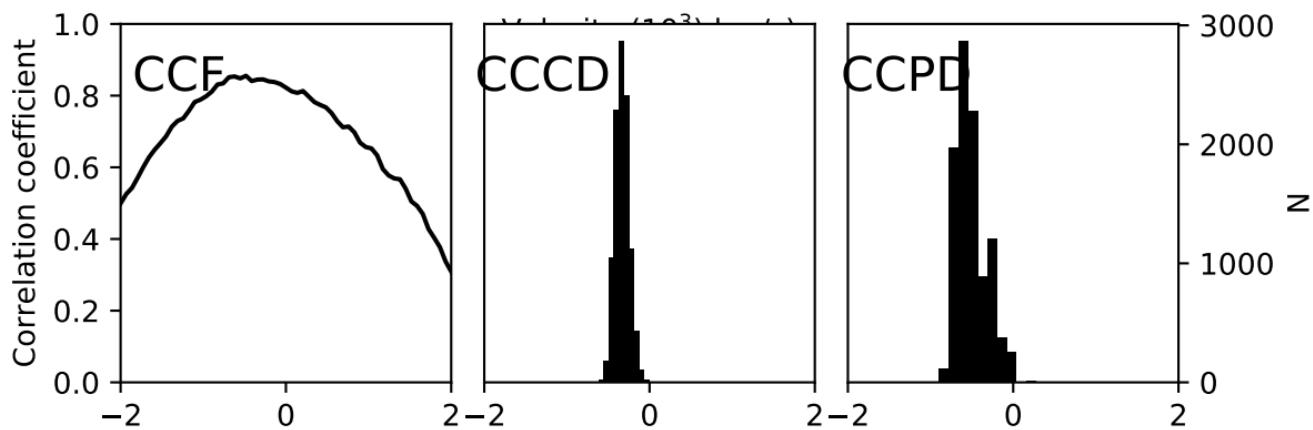
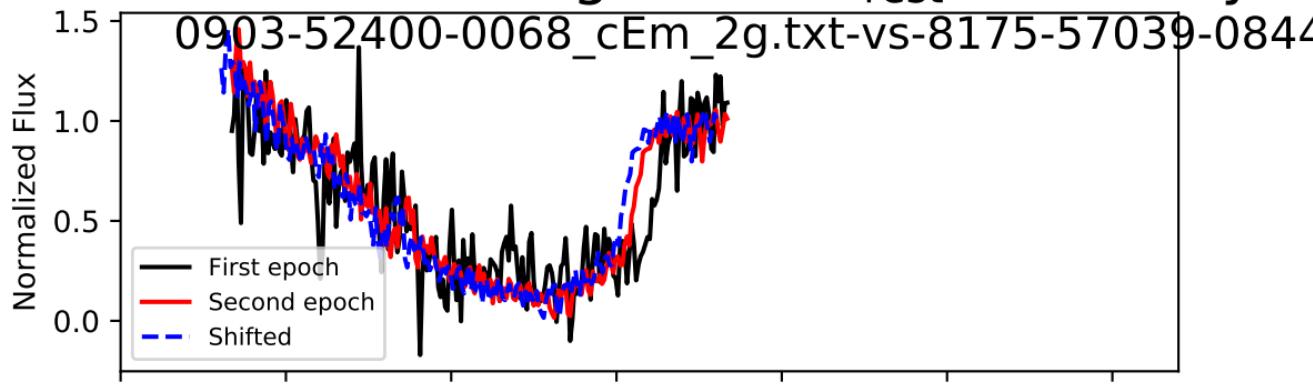


spectrum  $i = 84$ , Trough 1/1,  $\Delta t_{\text{rest}} = 3.139$  years



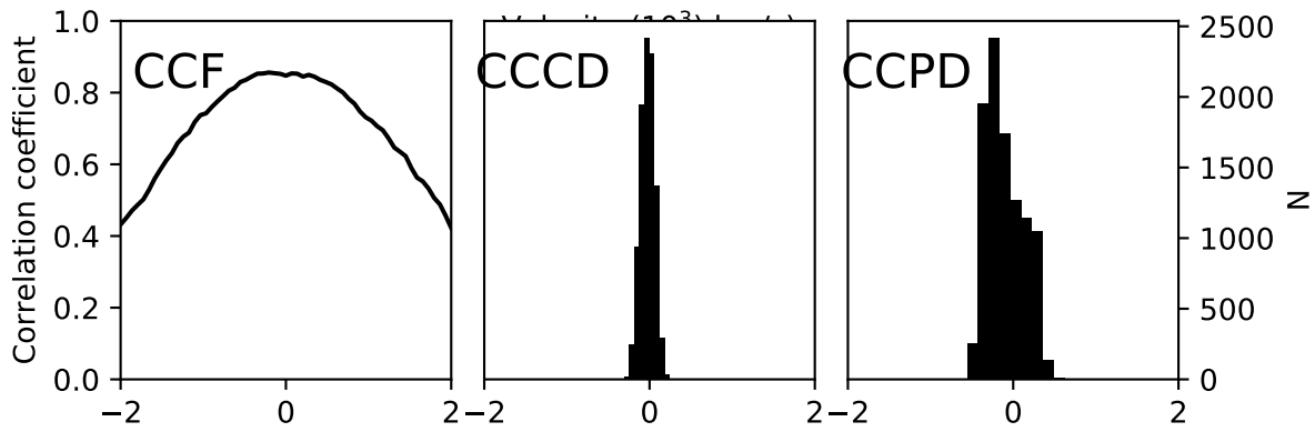
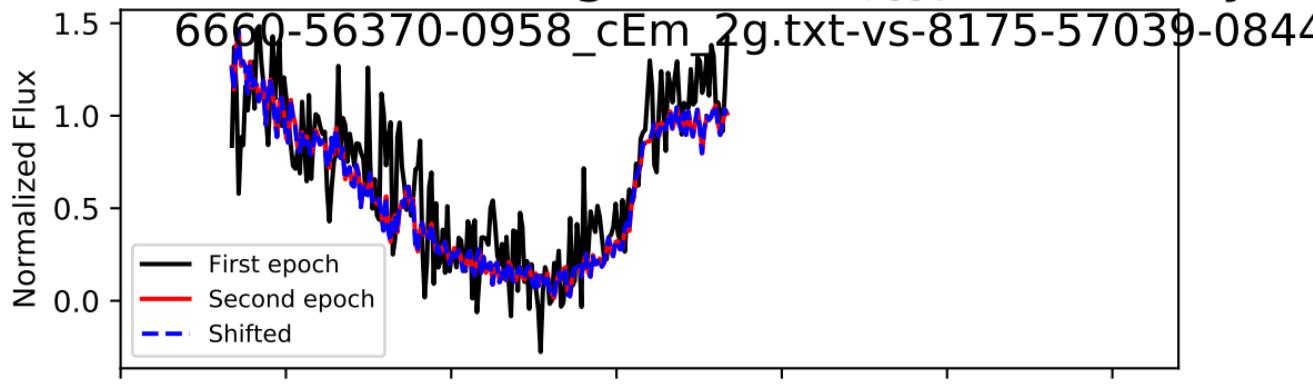
t: -276.7 + 96.2 - 93.1 km/s, Accel: -0.280+ 0.097 - 0.094 cm/s<sup>2</sup>

spectrum i = 84, Trough 1/1,  $\Delta t_{\text{rest}} = 3.668$  years



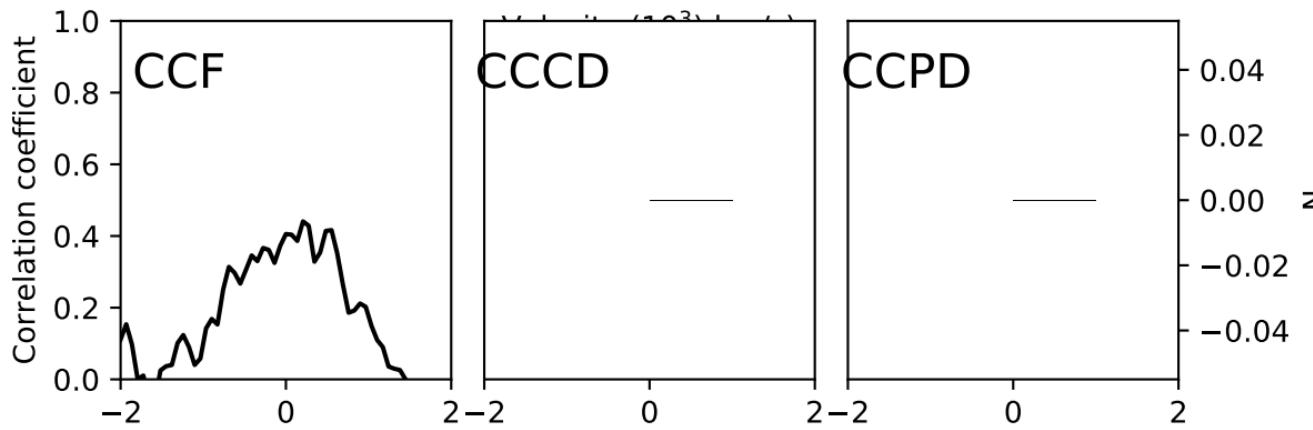
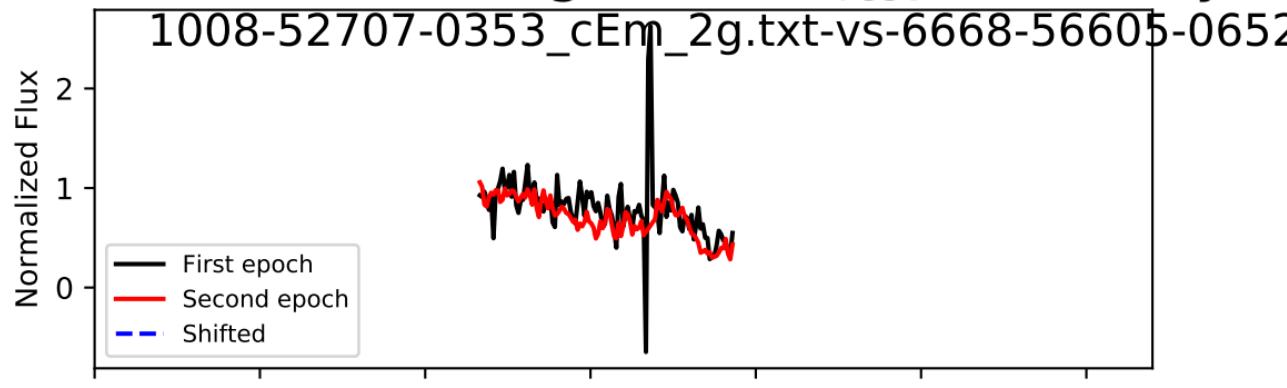
t: -318.6 + 70.2 - 98.3 km/s, Accel: -0.275+ 0.061 - 0.085 cm/s<sup>2</sup>

spectrum  $i = 84$ , Trough 1/1,  $\Delta t_{\text{rest}} = 0.529$  years



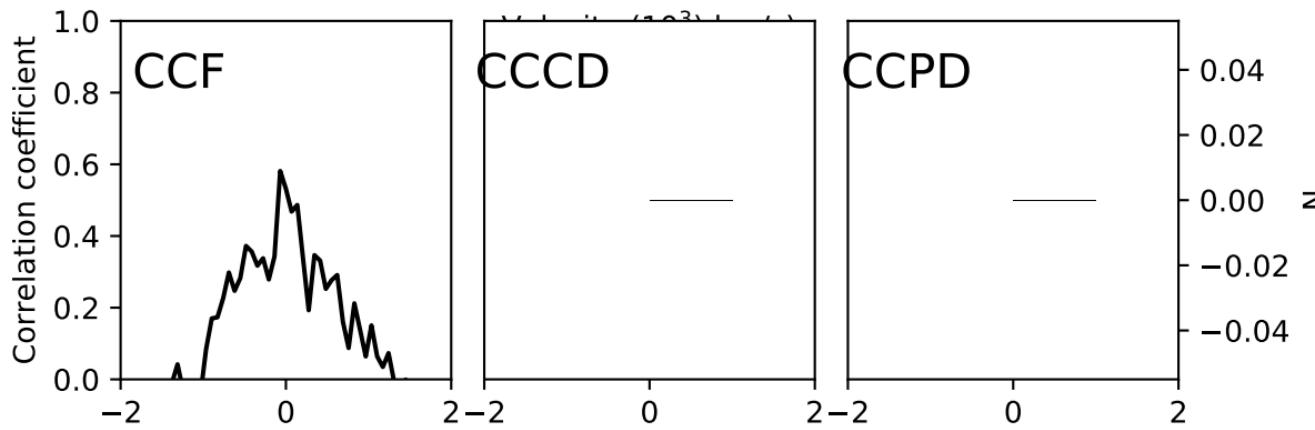
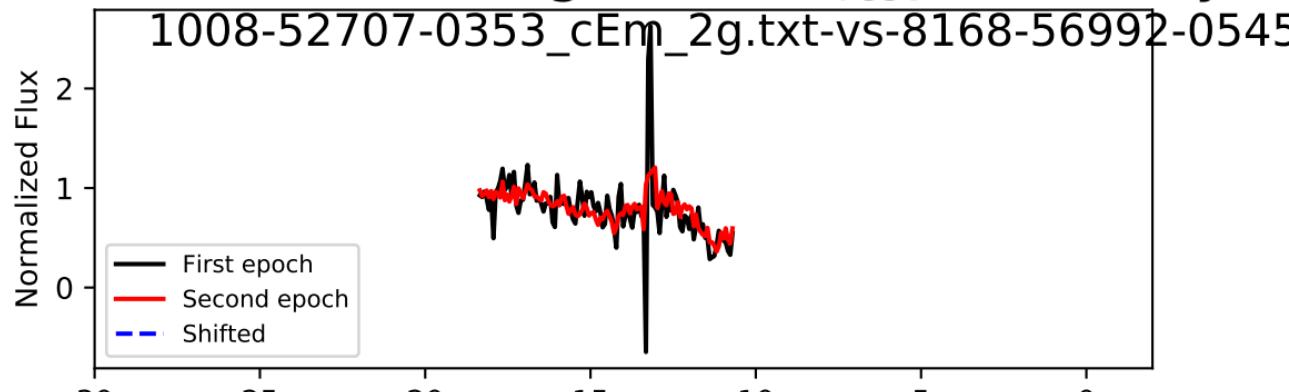
ft:  $-11.4 + 74.0 - 92.6 \text{ km/s}$ , Accel:  $-0.068 + 0.443 - 0.555 \text{ cm/s}^2$

spectrum  $i = 86$ , Trough 0/1,  $\Delta t_{\text{rest}} = 2.837$  years

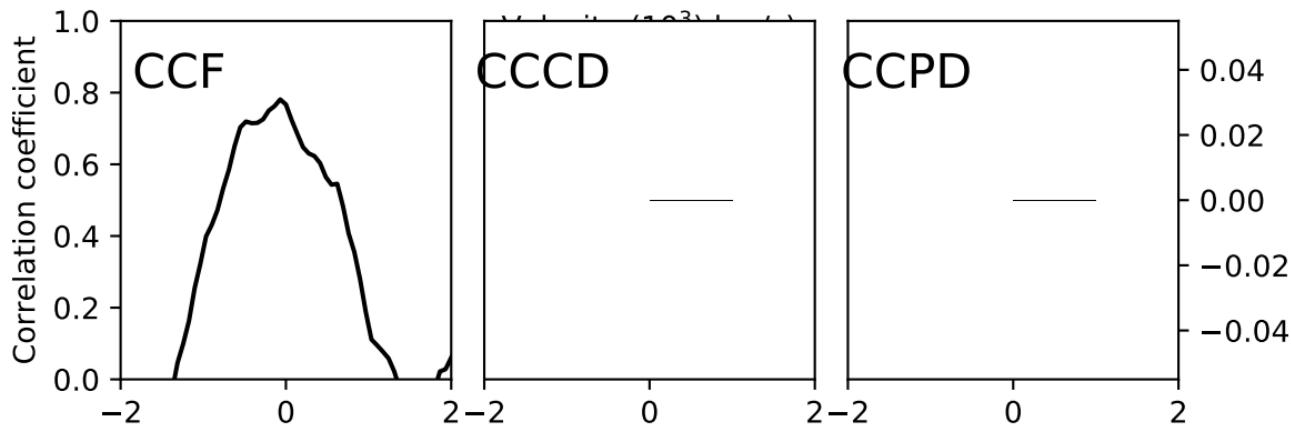
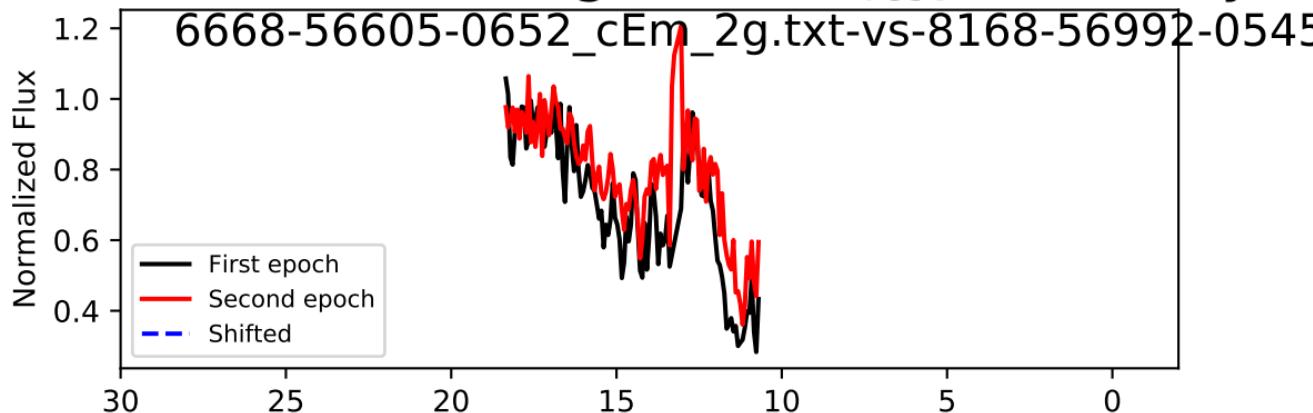


shift: nan + nan - nan km/s, Accel: nan+ nan - nan cm

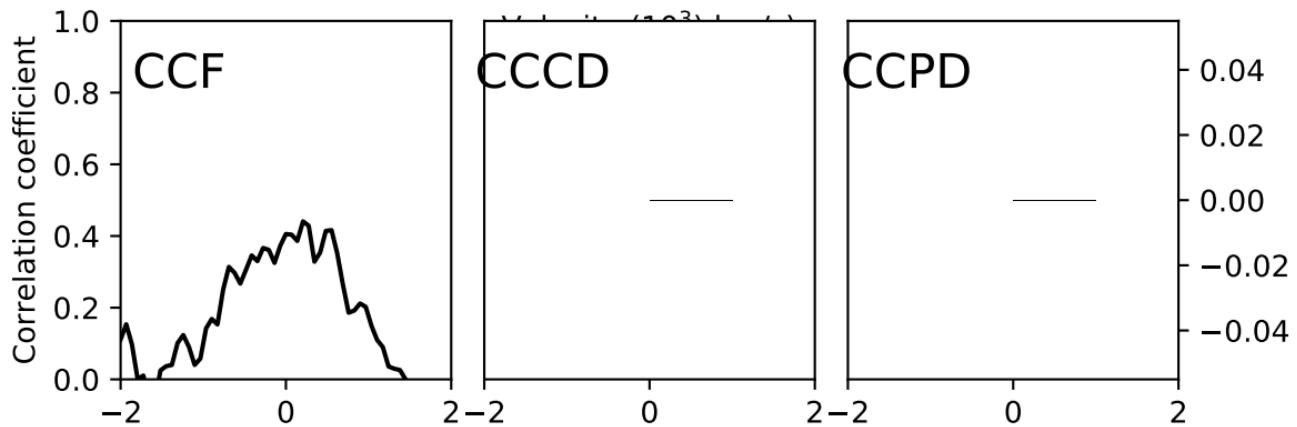
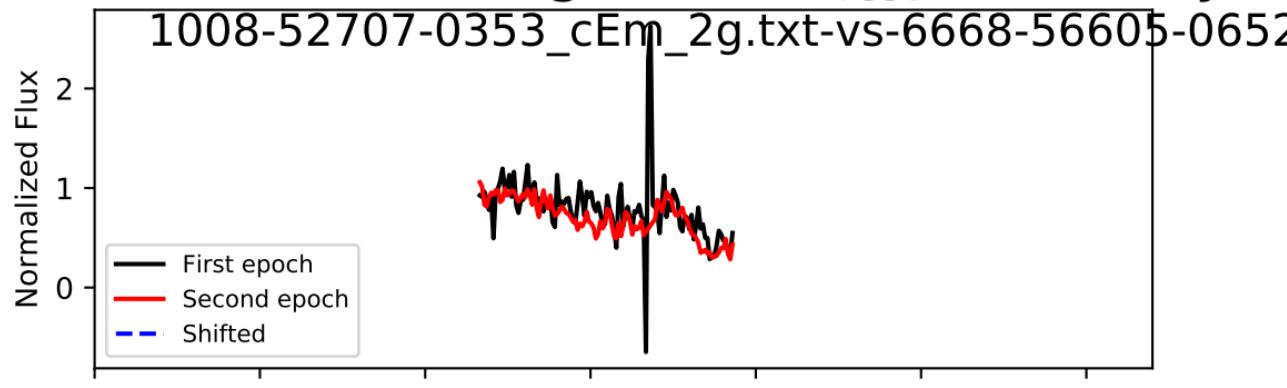
spectrum  $i = 86$ , Trough 0/1,  $\Delta t_{\text{rest}} = 3.119$  years



spectrum i = 86, Trough 0/1,  $\Delta t_{\text{rest}} = 0.282$  years

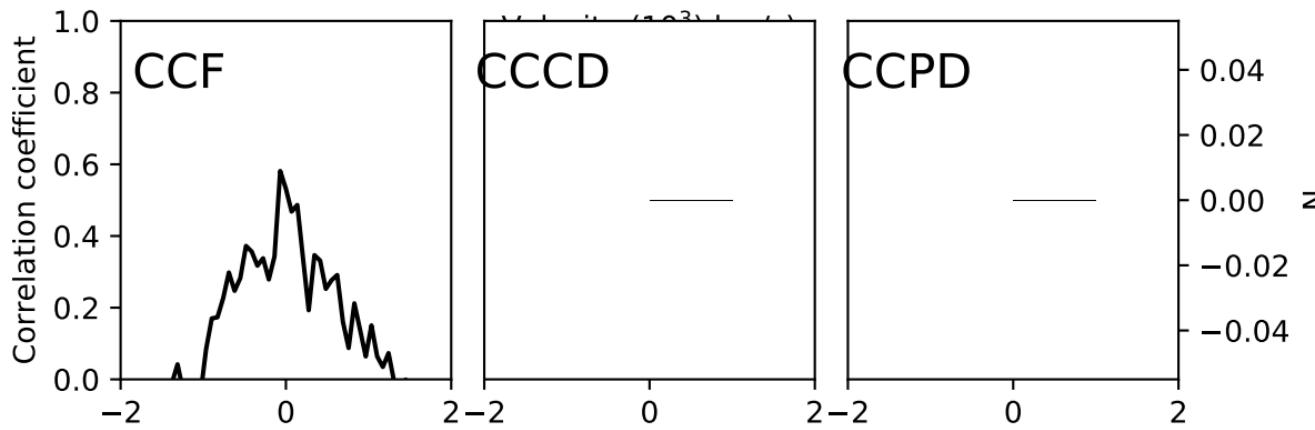
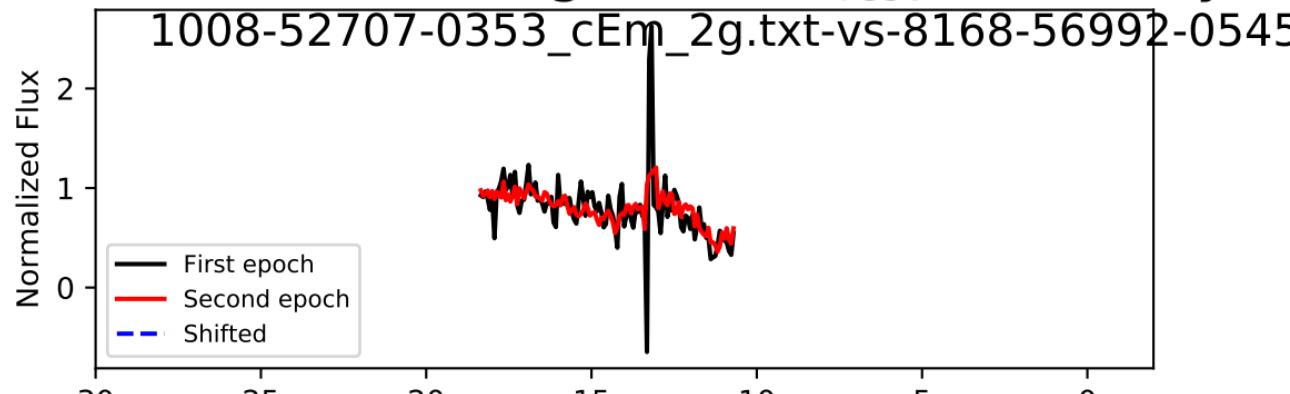


spectrum  $i = 86$ , Trough 1/1,  $\Delta t_{\text{rest}} = 2.837$  years

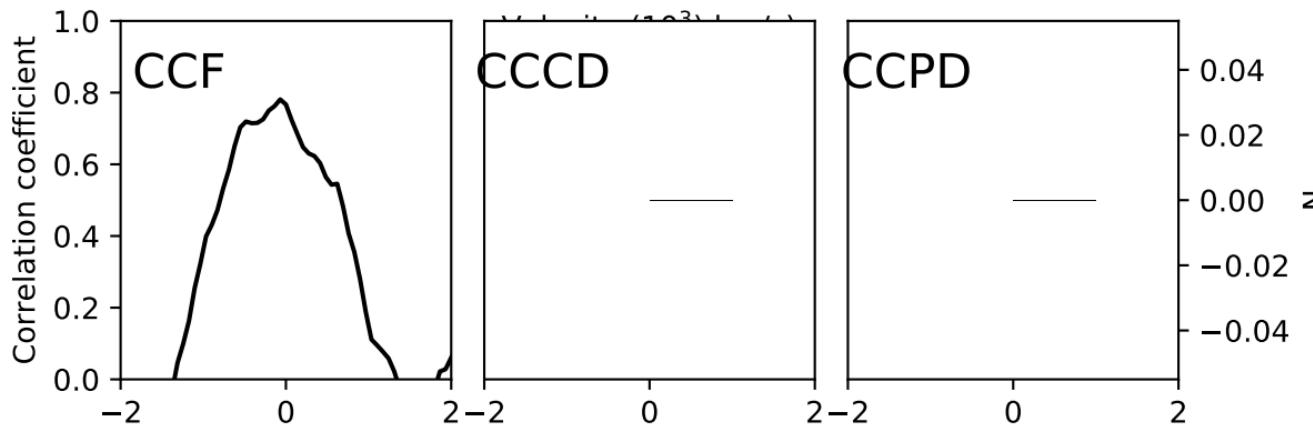
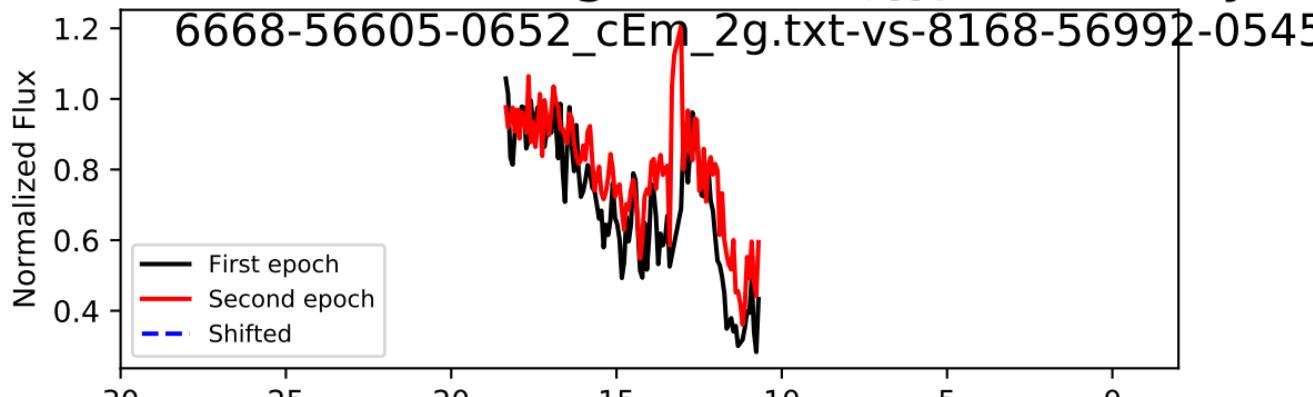


shift: nan + nan - nan km/s, Accel: nan+ nan - nan cm

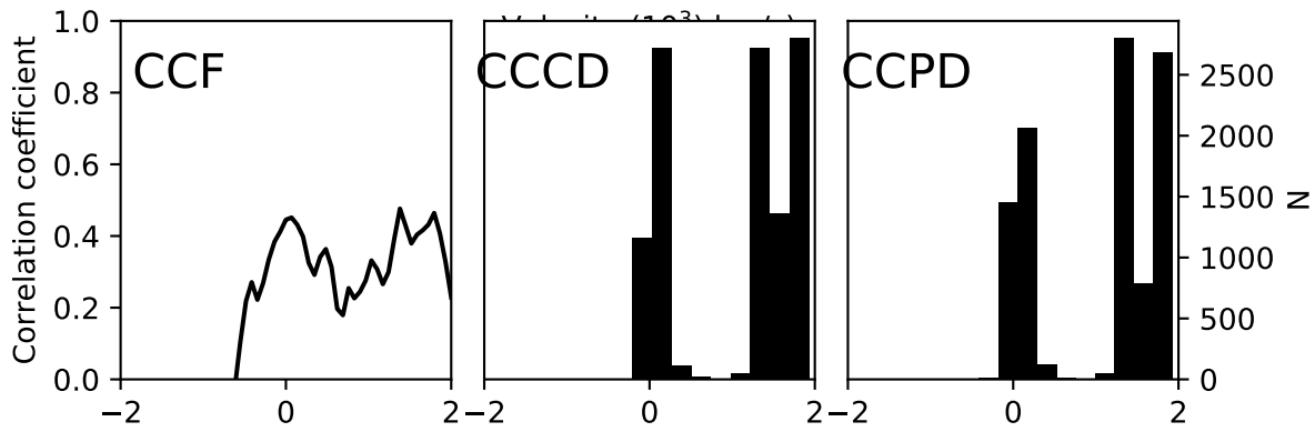
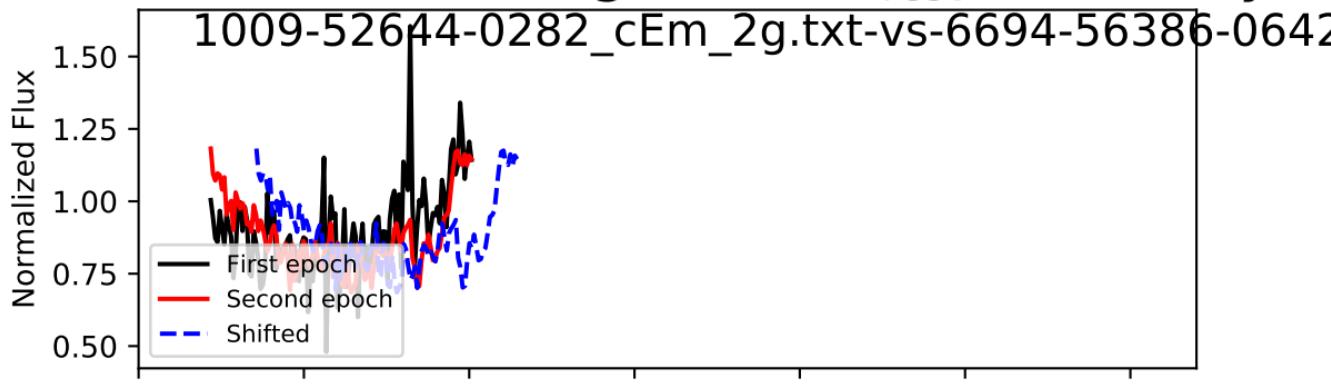
spectrum  $i = 86$ , Trough 1/1,  $\Delta t_{\text{rest}} = 3.119$  years



spectrum i = 86, Trough 1/1,  $\Delta t_{\text{rest}} = 0.282$  years

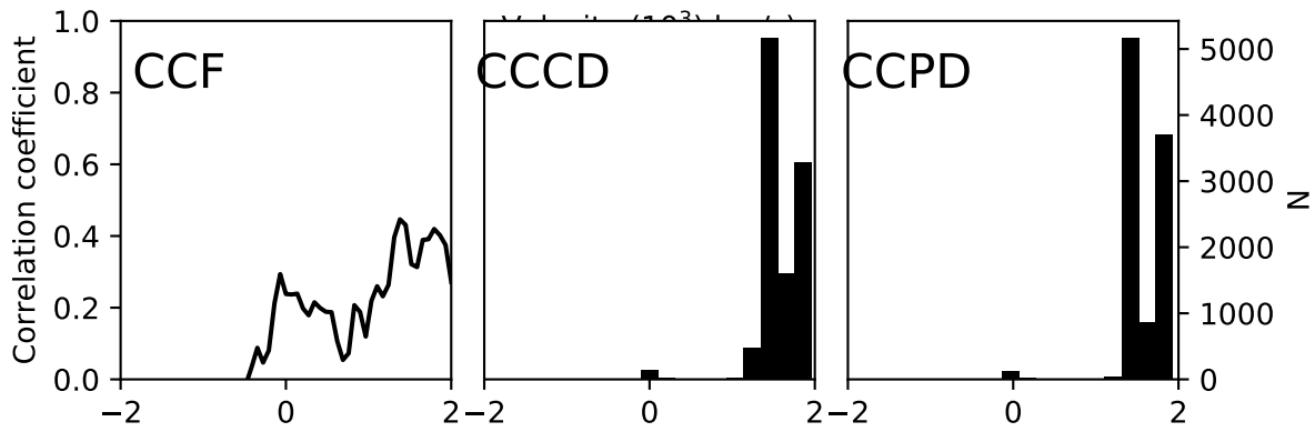
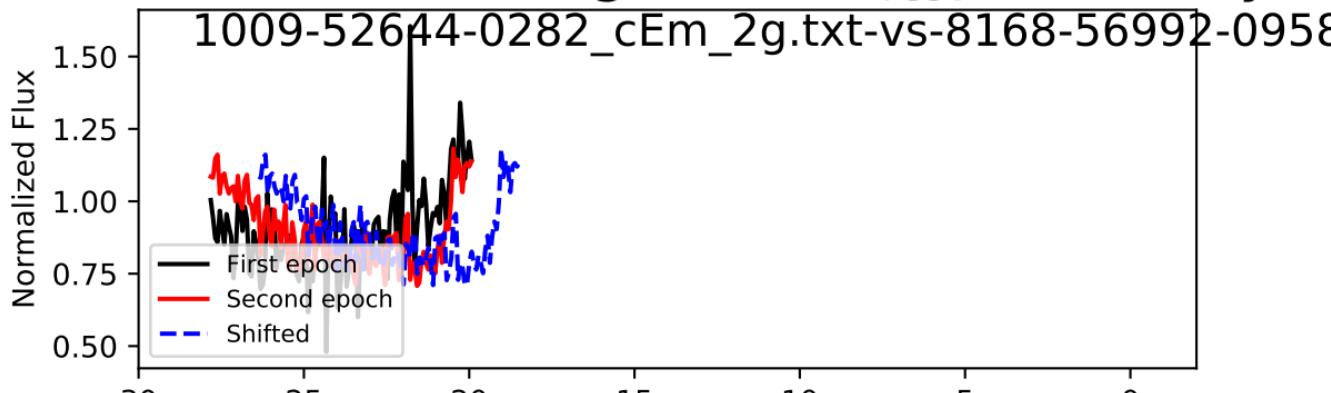


spectrum i = 88, Trough 0/1,  $\Delta t_{\text{rest}} = 2.993$  years



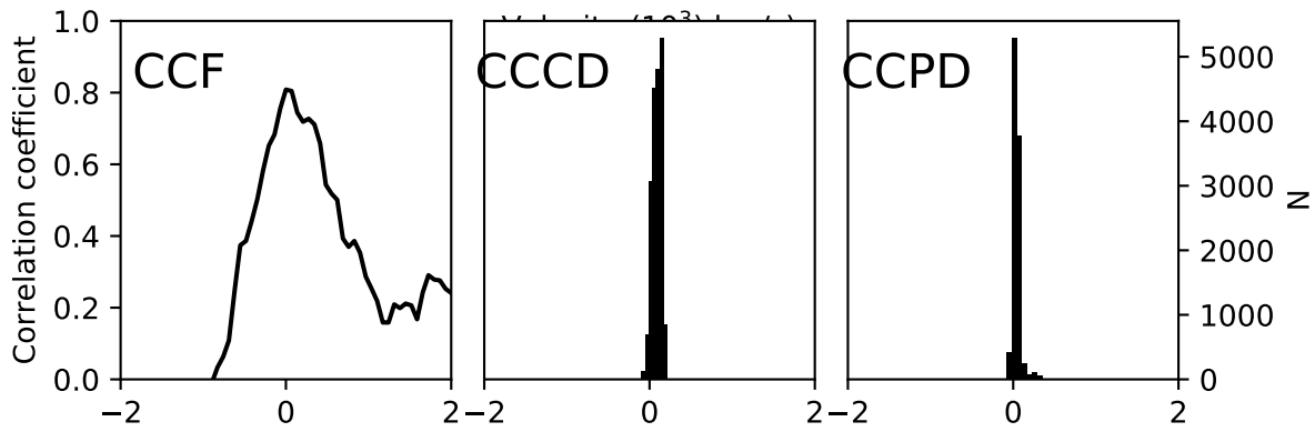
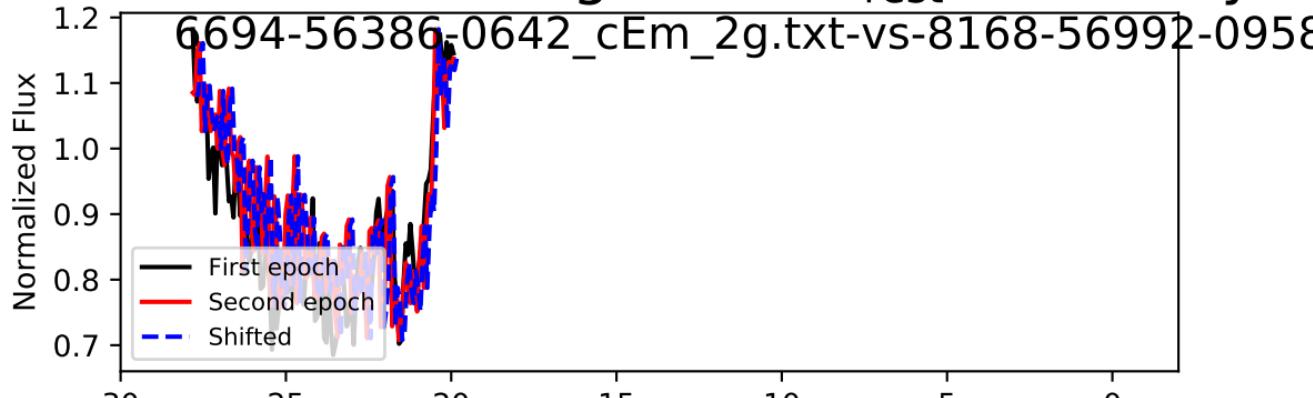
: 1381.6 + 379.3 - 1345.7 km/s, Accel: 1.464+ 0.402 - 1.426

spectrum i = 88, Trough 0/1,  $\Delta t_{\text{rest}} = 3.477$  years

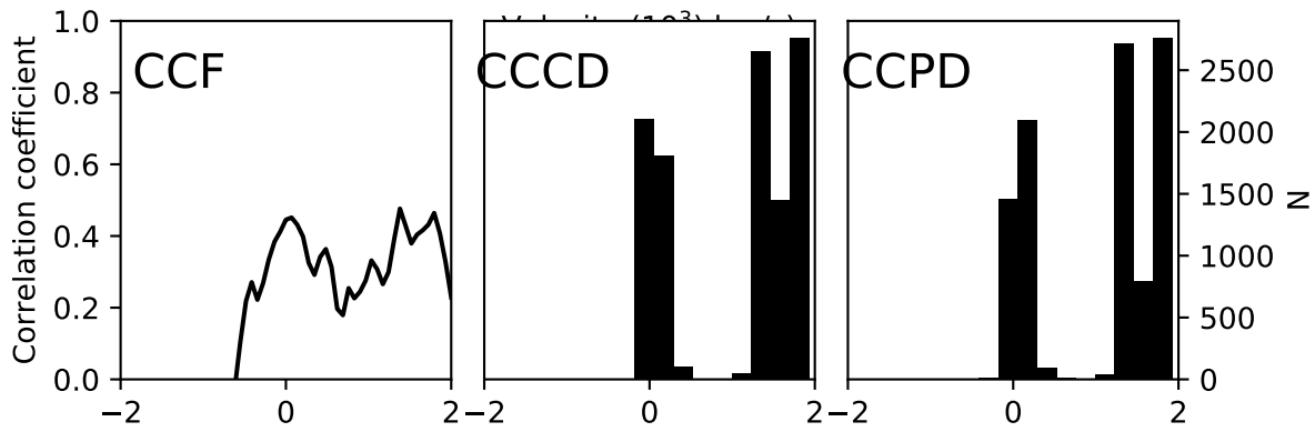
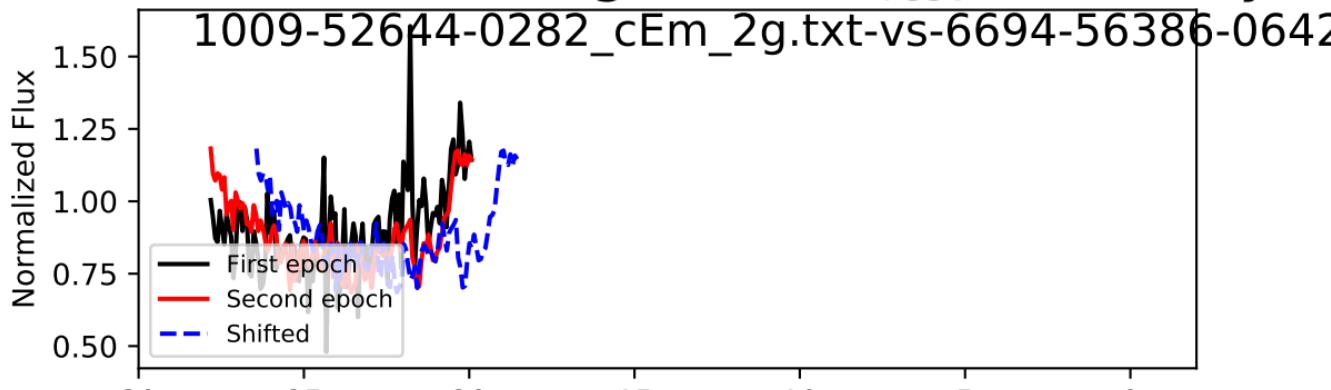


t: 1449.0 + 376.7 - 70.6 km/s, Accel: 1.321+ 0.344 - 0.064 cm/s<sup>2</sup>

spectrum  $i = 88$ , Trough 0/1,  $\Delta t_{\text{rest}} = 0.485$  years

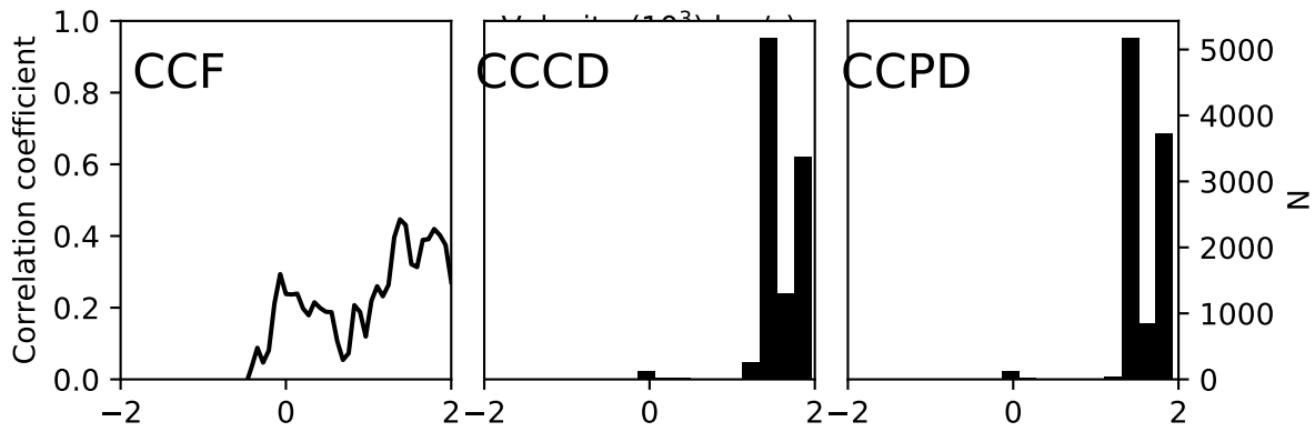
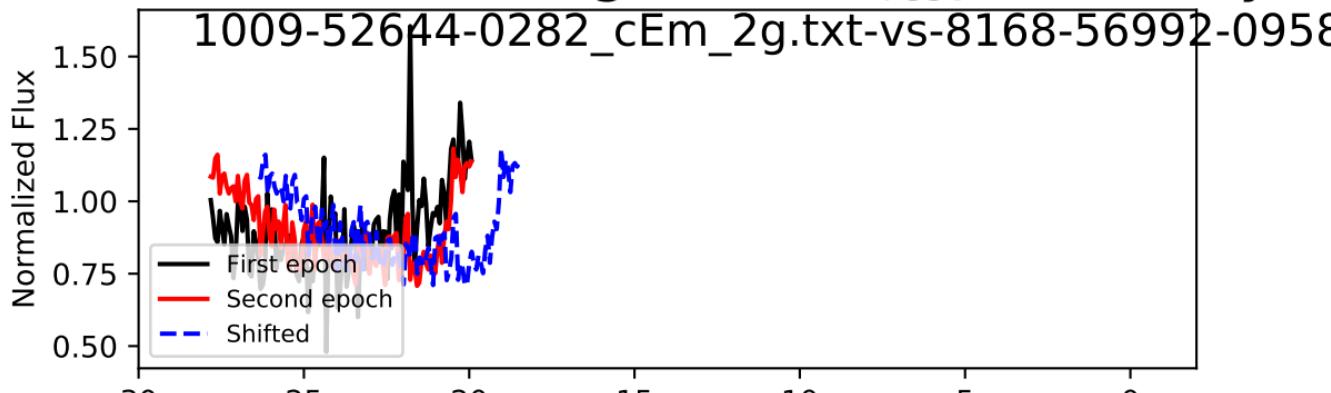


spectrum  $i = 88$ , Trough 1/1,  $\Delta t_{\text{rest}} = 2.993$  years



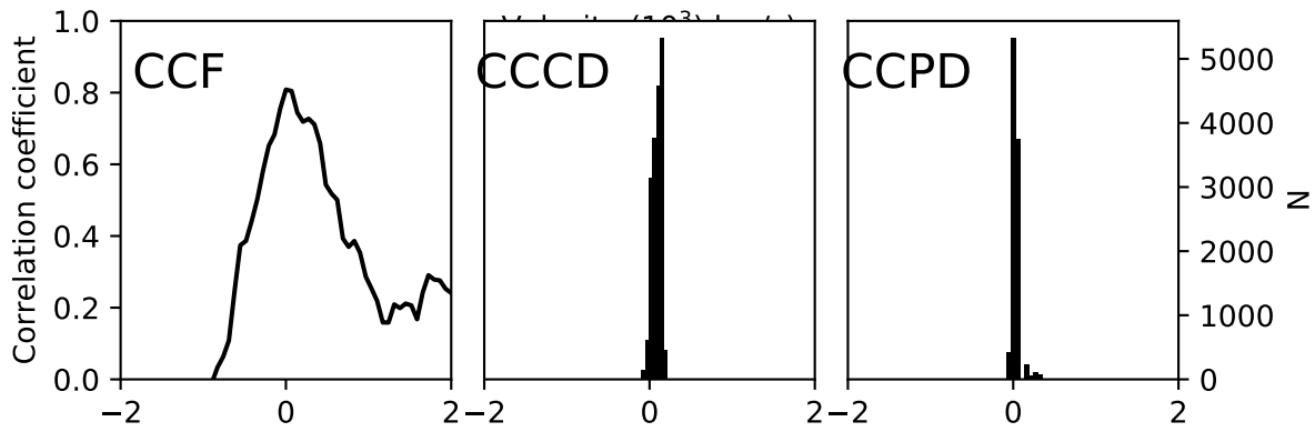
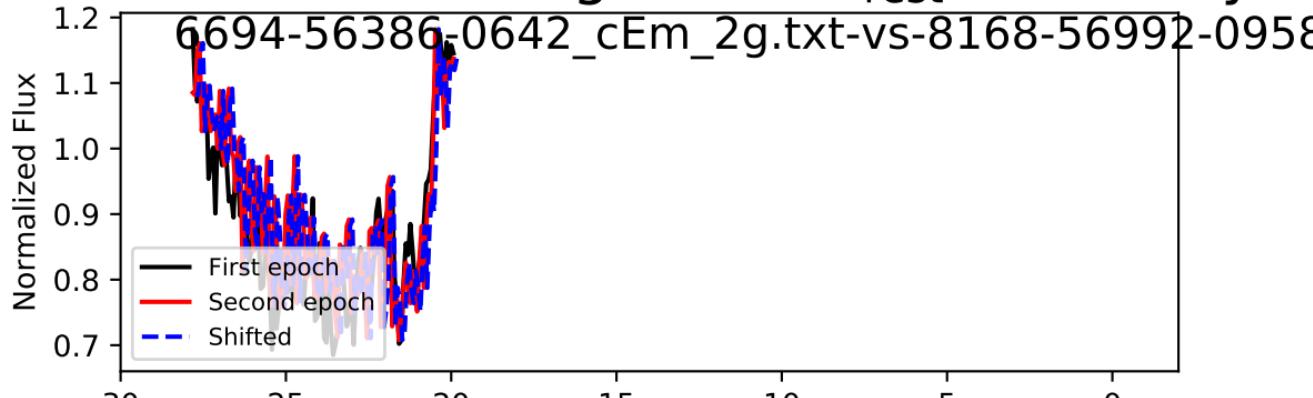
: 1382.4 + 378.6 - 1346.5 km/s, Accel: 1.465+ 0.401 - 1.427

spectrum  $i = 88$ , Trough 1/1,  $\Delta t_{\text{rest}} = 3.477$  years

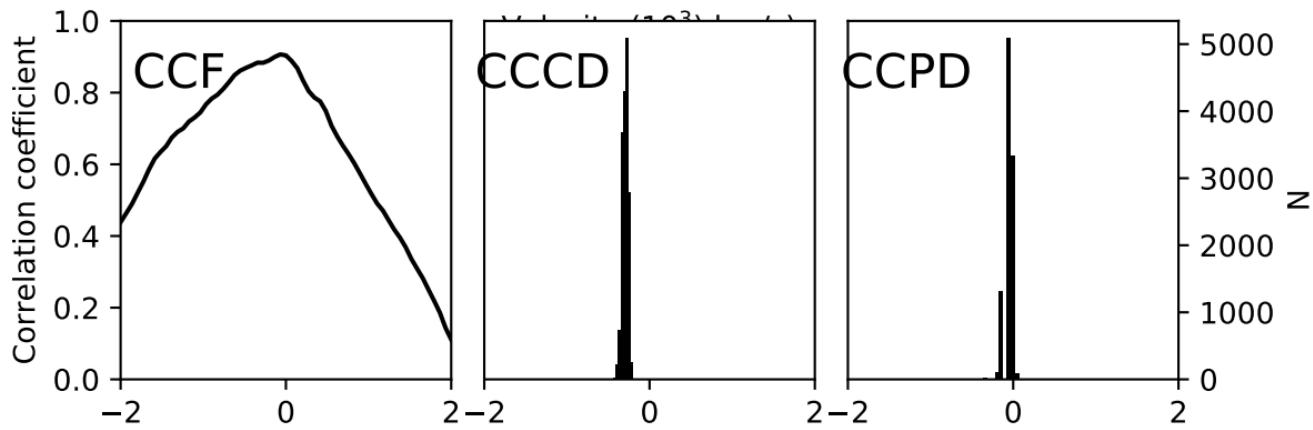
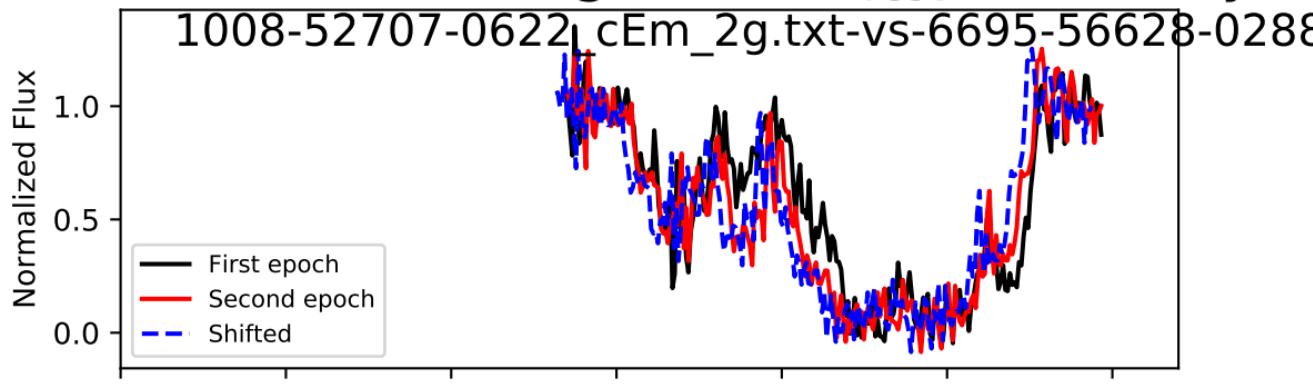


t: 1449.0 + 377.2 - 70.3 km/s, Accel: 1.321+ 0.344 - 0.064 c

spectrum  $i = 88$ , Trough 1/1,  $\Delta t_{\text{rest}} = 0.485$  years

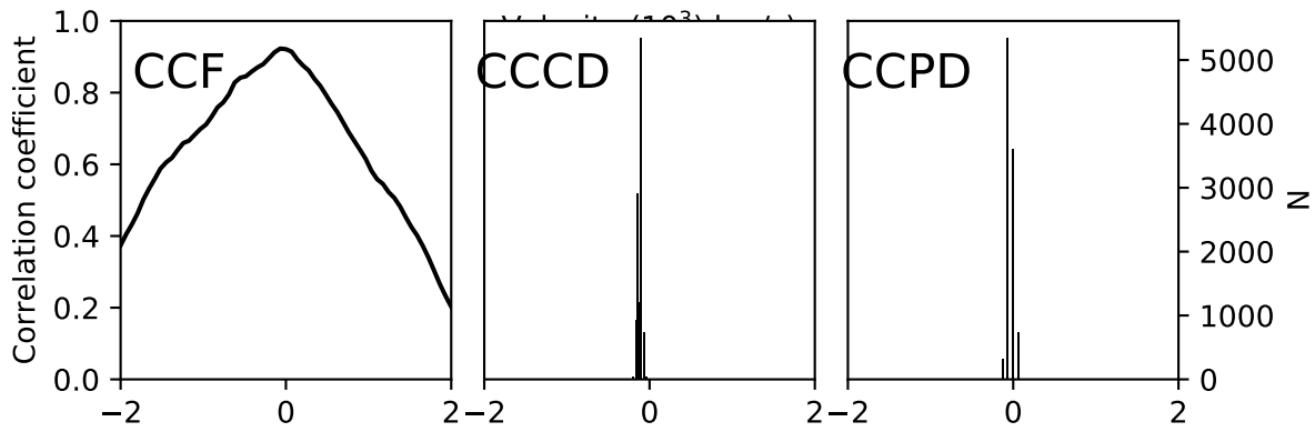
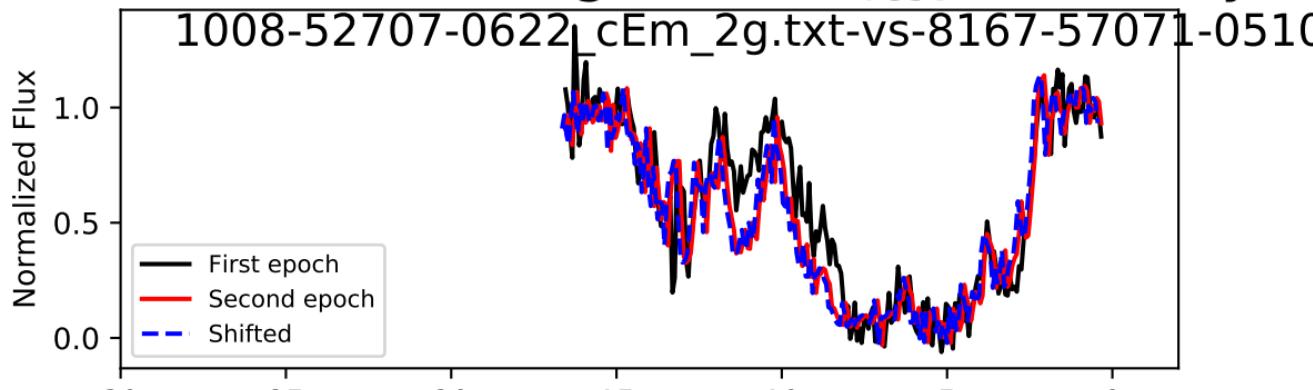


spectrum  $i = 89$ , Trough 0/0,  $\Delta t_{\text{rest}} = 2.526$  years



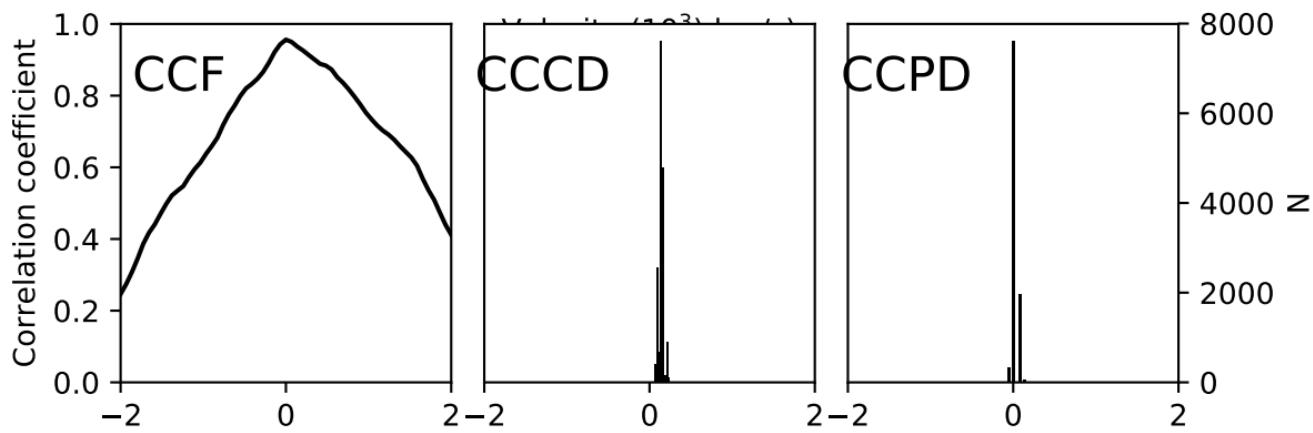
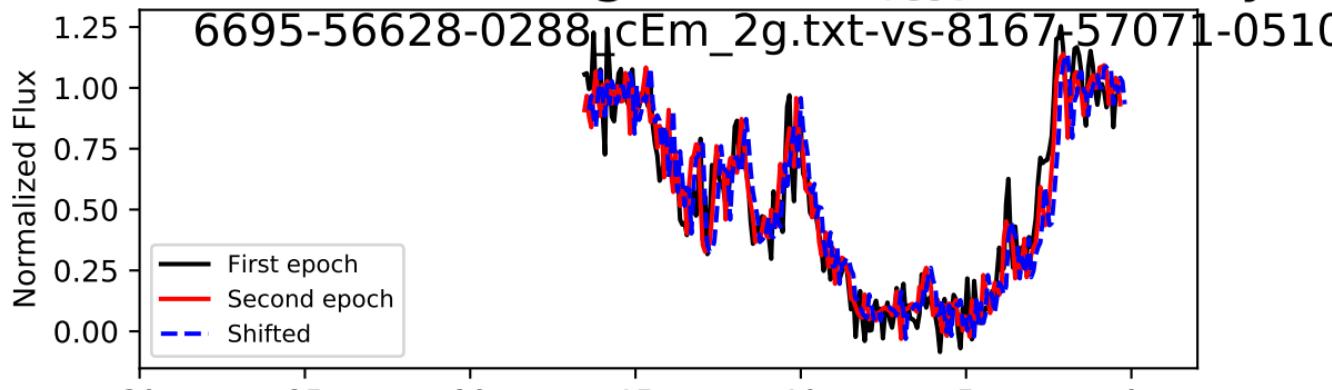
t:  $-300.2 + 60.2 - 35.6$  km/s, Accel:  $-0.377 + 0.076 - 0.045$  cm/s<sup>2</sup>

spectrum  $i = 89$ , Trough 0/0,  $\Delta t_{\text{rest}} = 2.812$  years



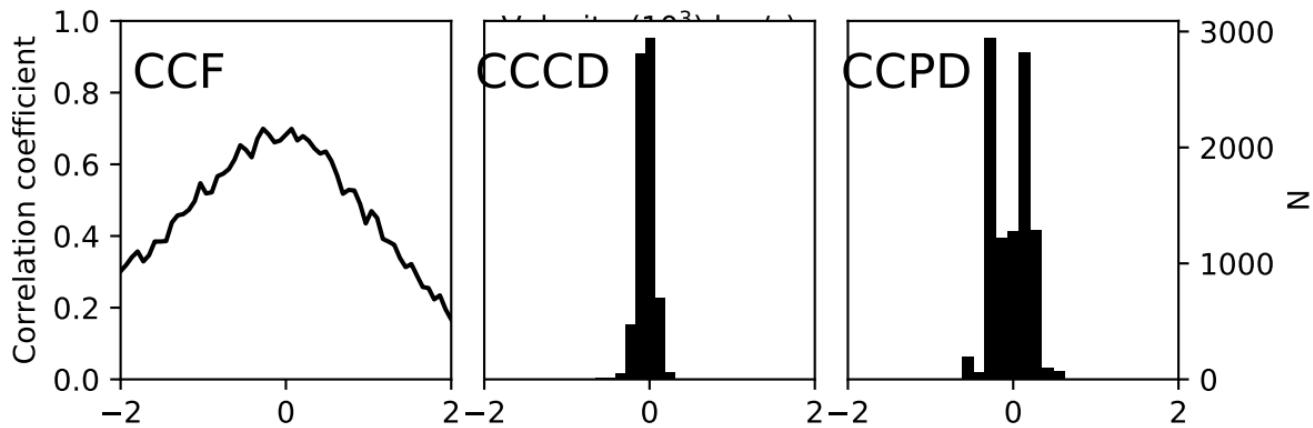
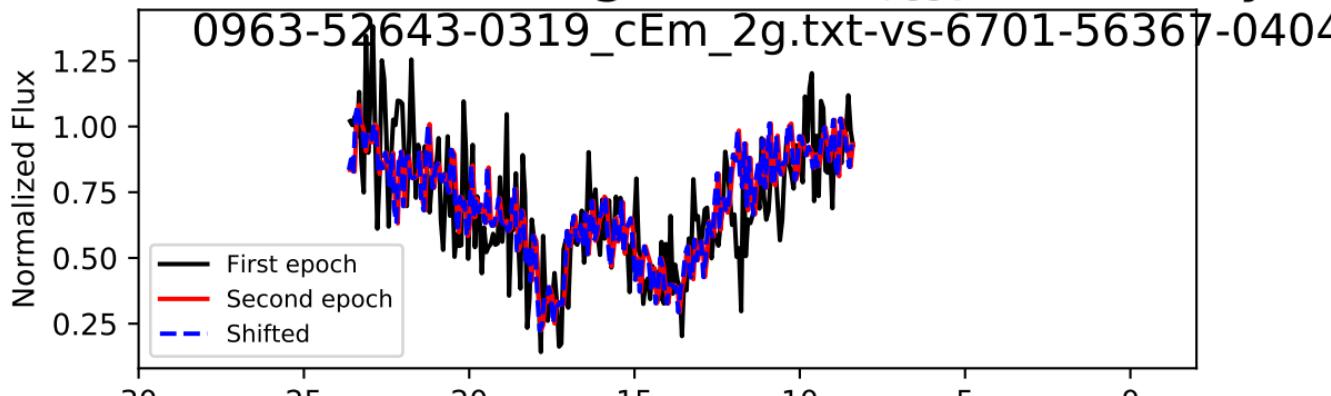
ft: -104.2 + 4.2 - 31.7 km/s, Accel: -0.118+ 0.005 - 0.036 cm/s<sup>2</sup>

spectrum  $i = 89$ , Trough 0/0,  $\Delta t_{\text{rest}} = 0.285$  years



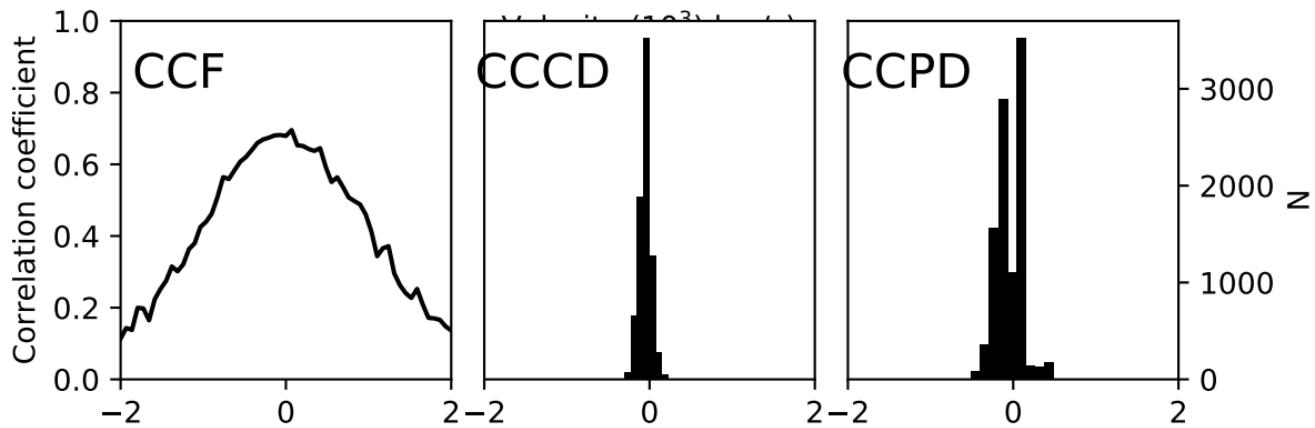
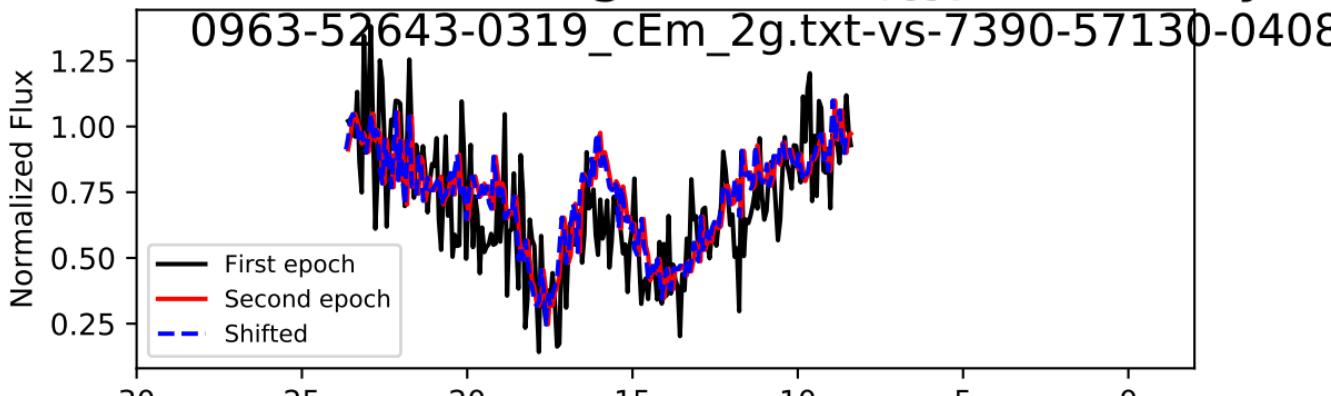
ft:  $137.3 + 32.8 - 32.5$  km/s, Accel:  $1.525 + 0.365 - 0.361$  cm/s<sup>2</sup>

spectrum i = 91, Trough 0/0,  $\Delta t_{\text{rest}} = 2.963$  years



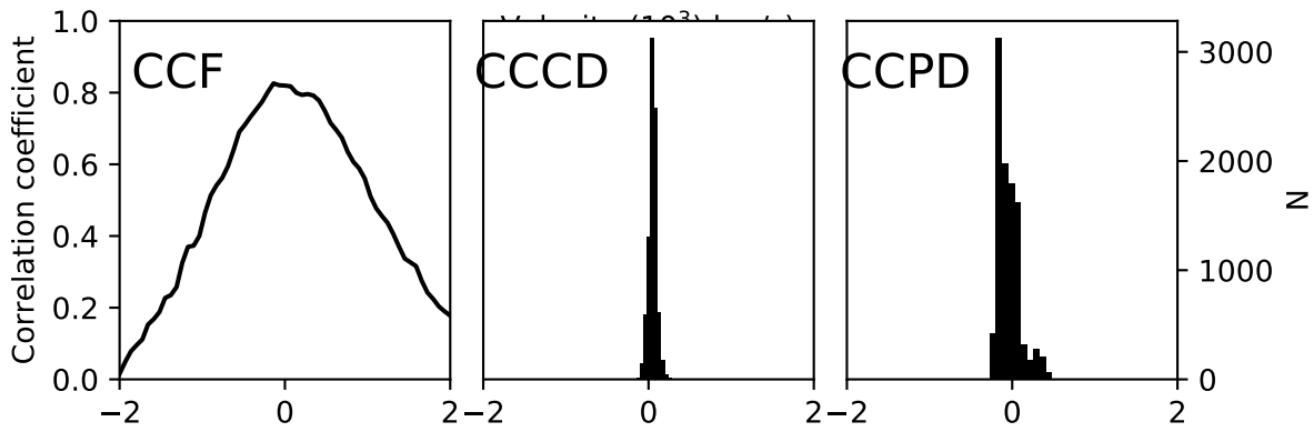
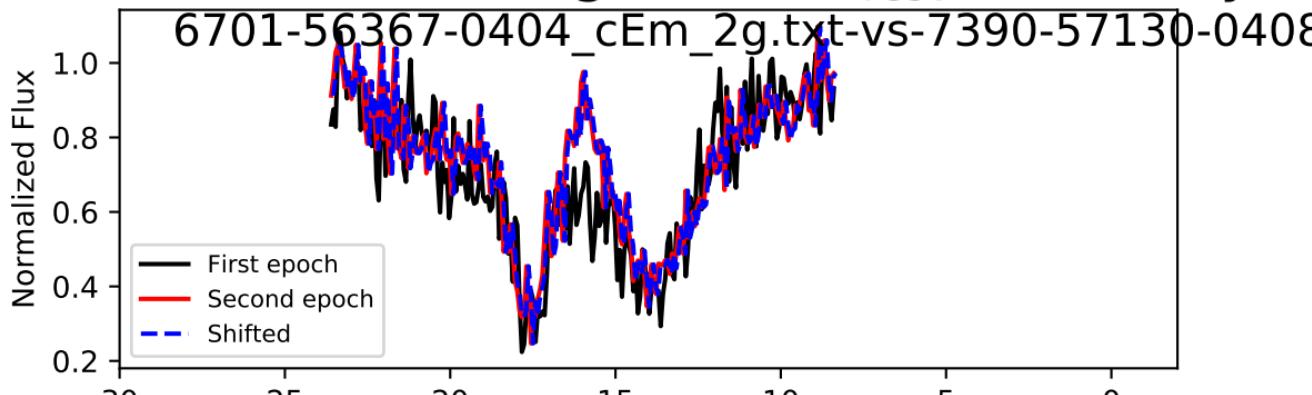
ft: -39.9 + 75.7 - 95.2 km/s, Accel: -0.043+ 0.081 - 0.102 cm

spectrum i = 91, Trough 0/0,  $\Delta t_{\text{rest}} = 3.570$  years

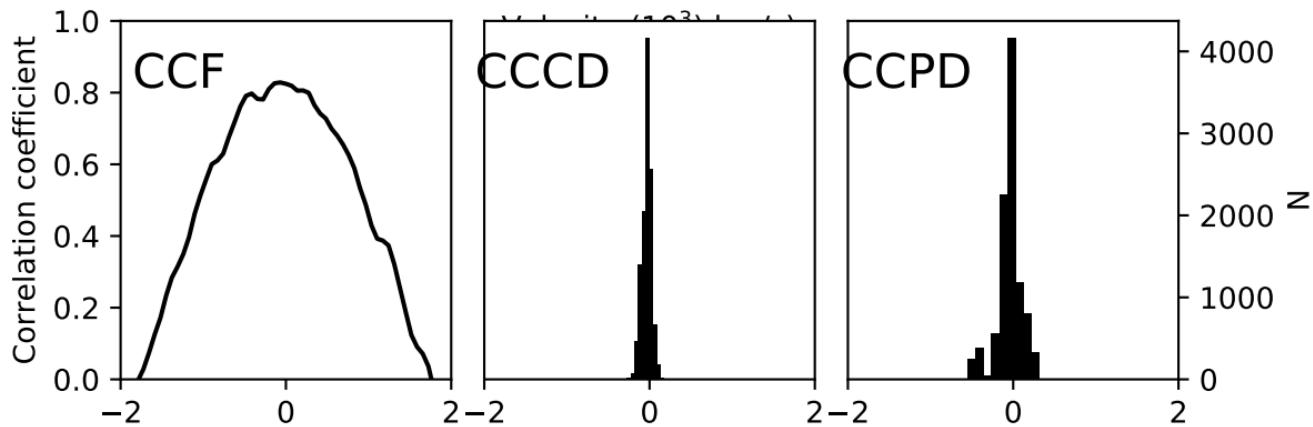
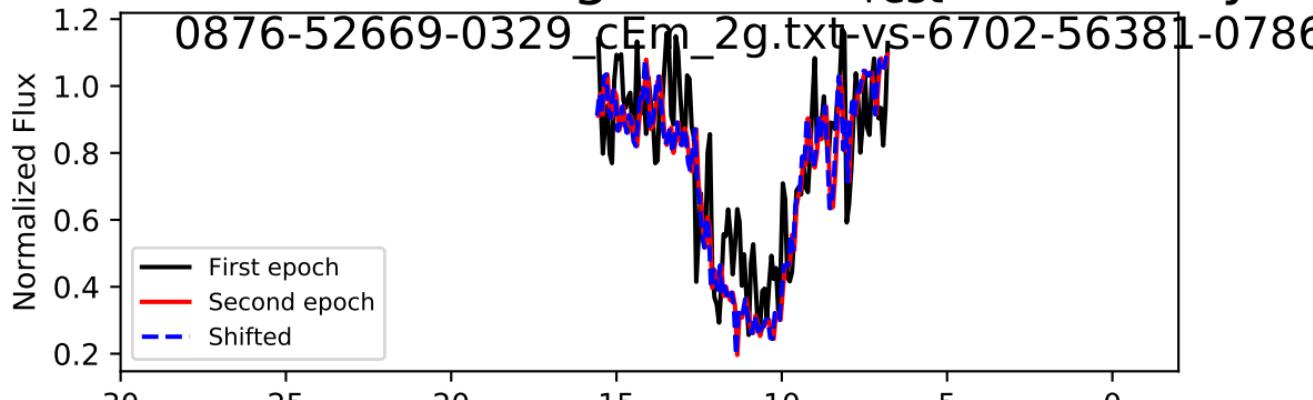


ft: -63.9 + 91.8 - 68.8 km/s, Accel: -0.057+ 0.082 - 0.061 cm

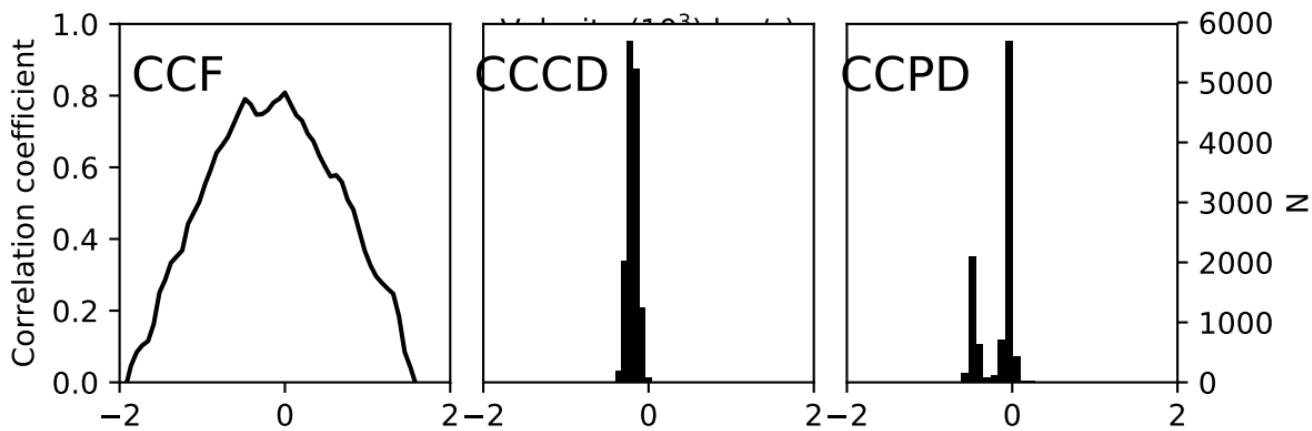
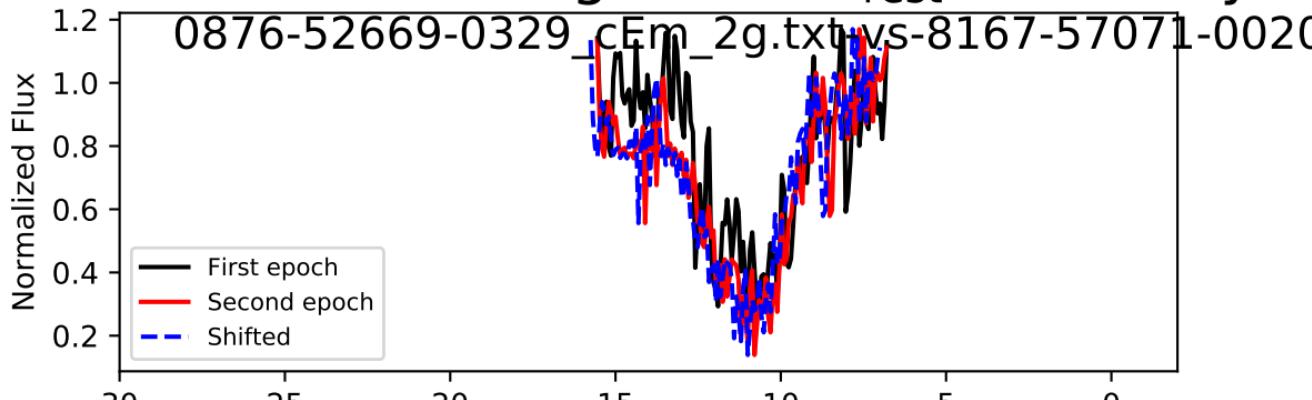
spectrum i = 91, Trough 0/0,  $\Delta t_{\text{rest}} = 0.607$  years



spectrum  $i = 92$ , Trough 0/0,  $\Delta t_{\text{rest}} = 3.718$  years

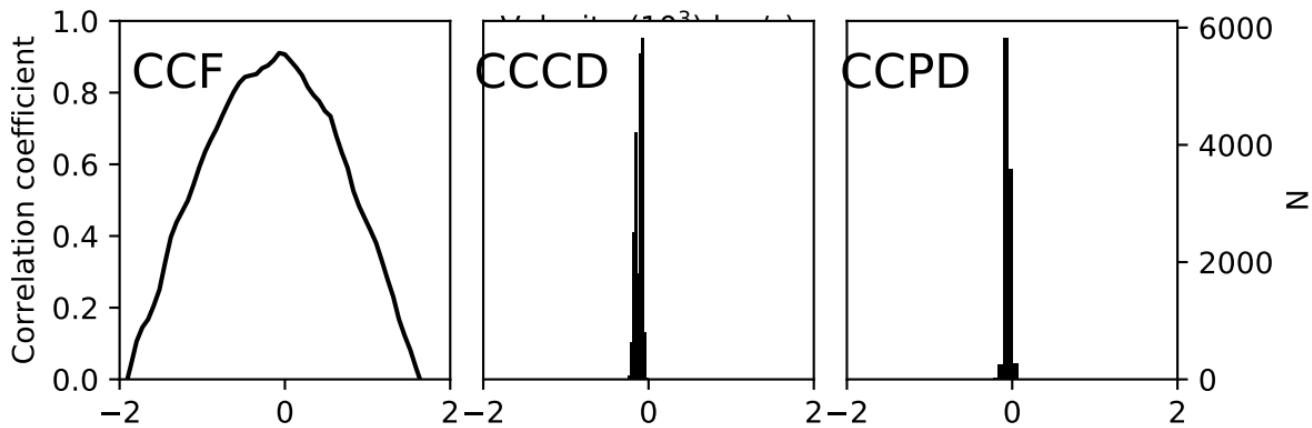
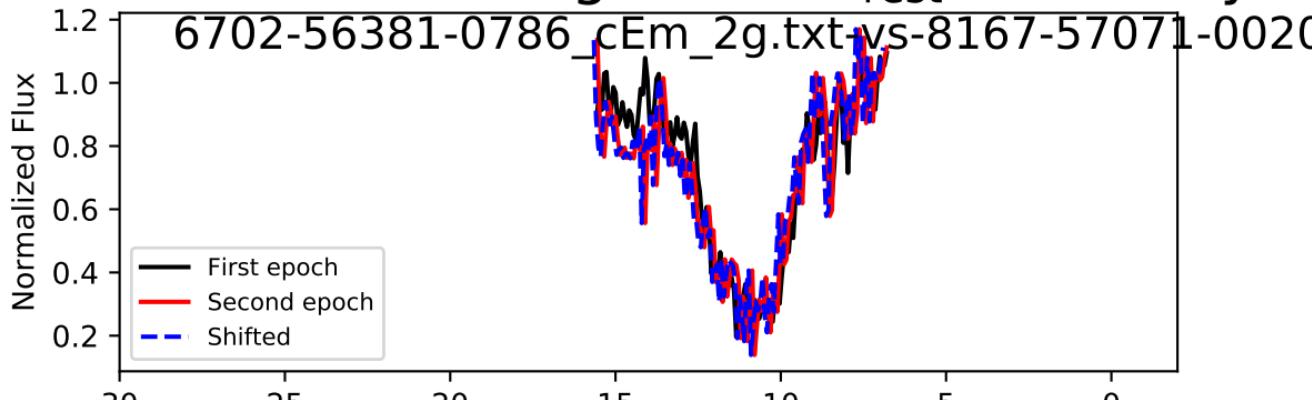


spectrum  $i = 92$ , Trough 0/0,  $\Delta t_{\text{rest}} = 4.409$  years



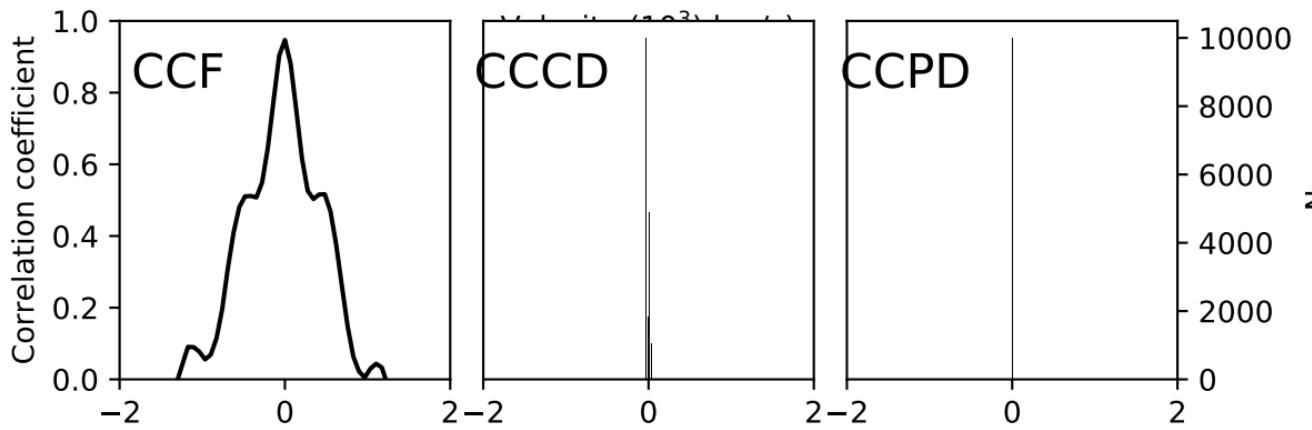
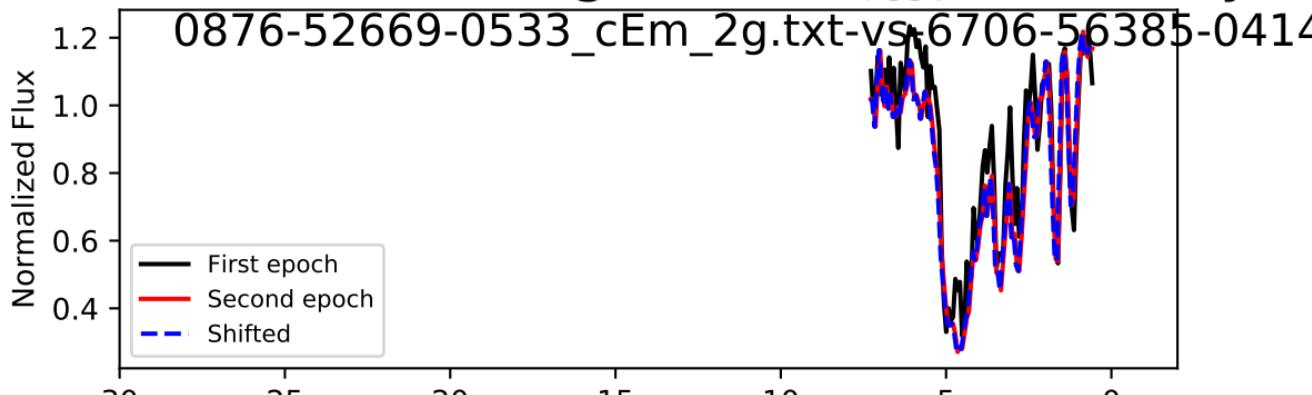
t: -203.4 + 64.0 - 43.6 km/s, Accel: -0.146+ 0.046 - 0.031 cm/s<sup>2</sup>

spectrum i = 92, Trough 0/0,  $\Delta t_{\text{rest}} = 0.691$  year

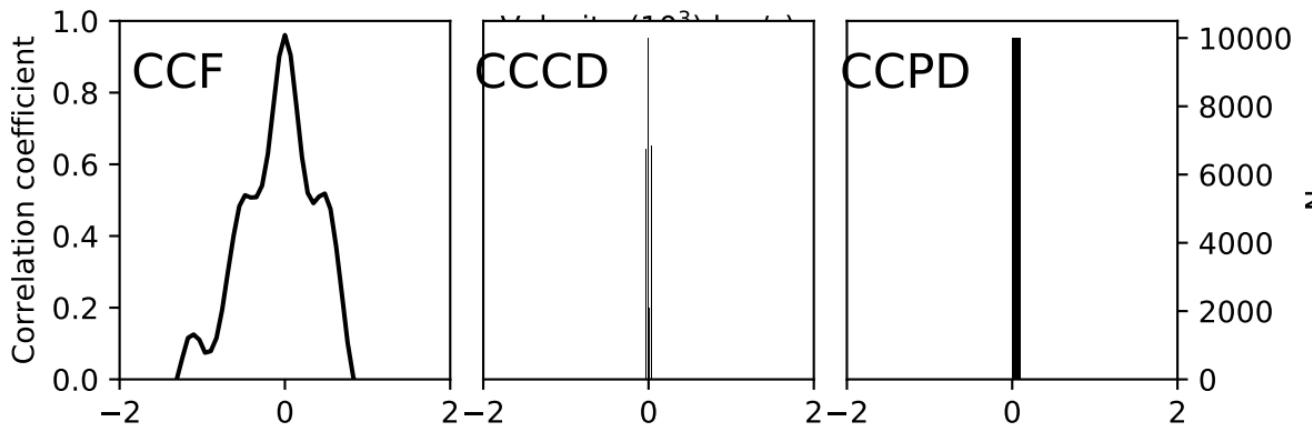
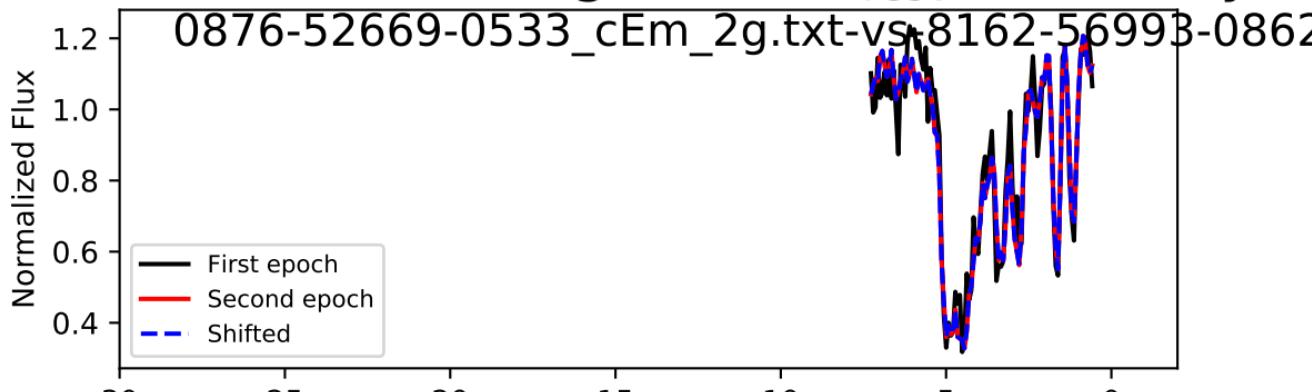


t: -105.8 + 34.6 - 36.7 km/s, Accel: -0.486+ 0.159 - 0.168 cm/s<sup>2</sup>

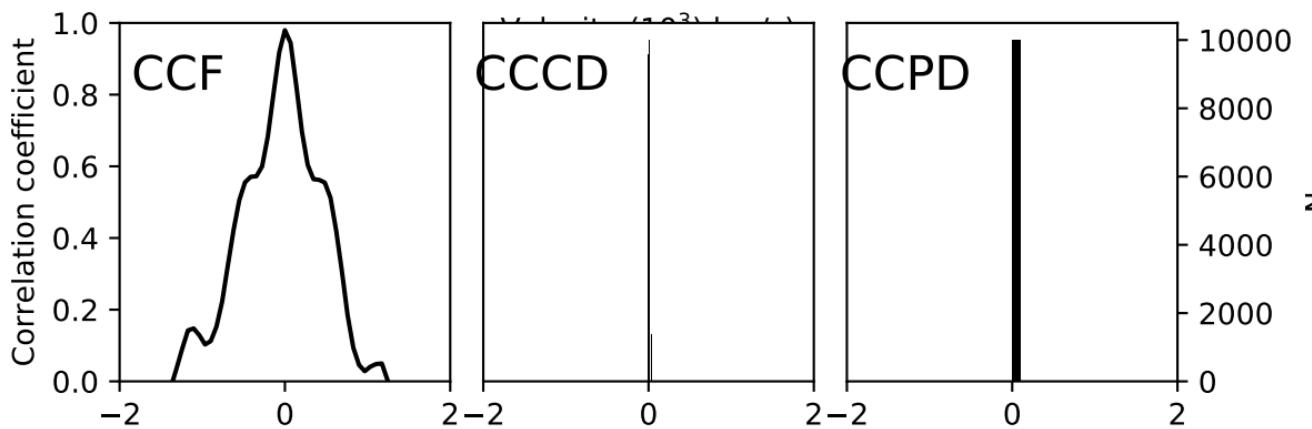
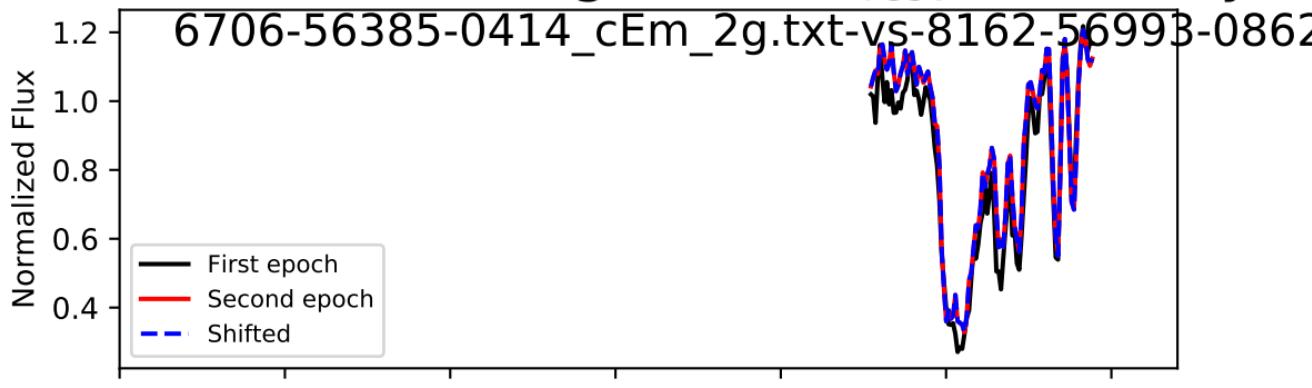
spectrum  $i = 93$ , Trough 0/0,  $\Delta t_{\text{rest}} = 3.047$  years



spectrum i = 93, Trough 0/0,  $\Delta t_{\text{rest}} = 3.546$  years

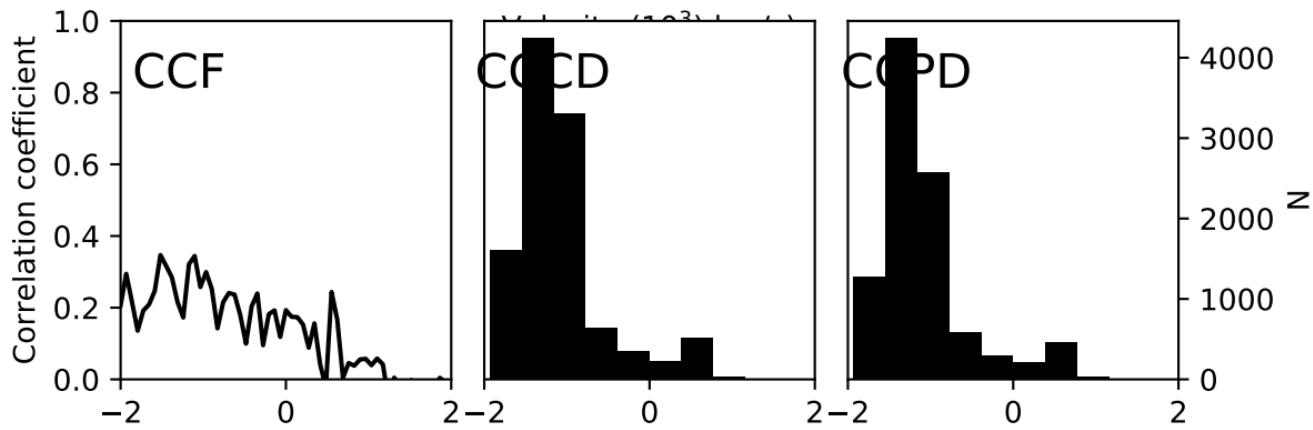
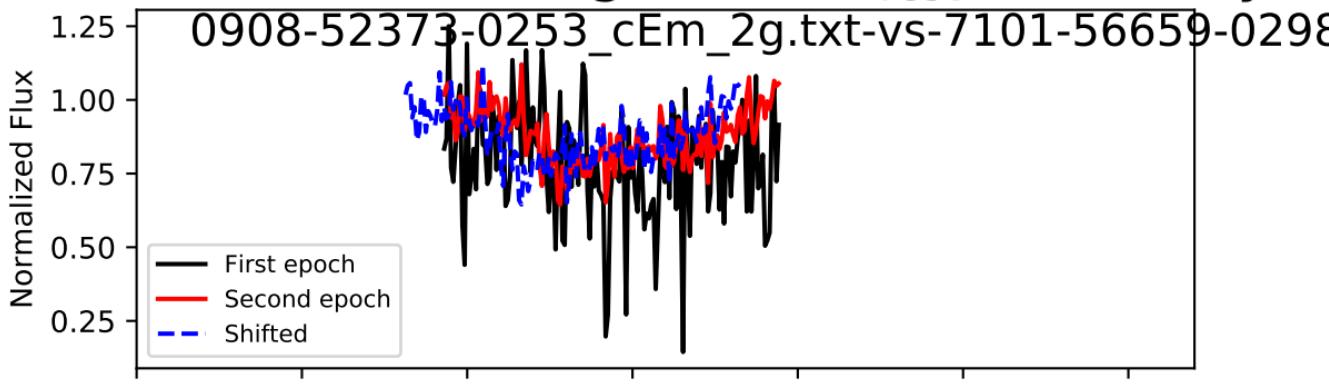


spectrum  $i = 93$ , Trough 0/0,  $\Delta t_{\text{rest}} = 0.499$  years



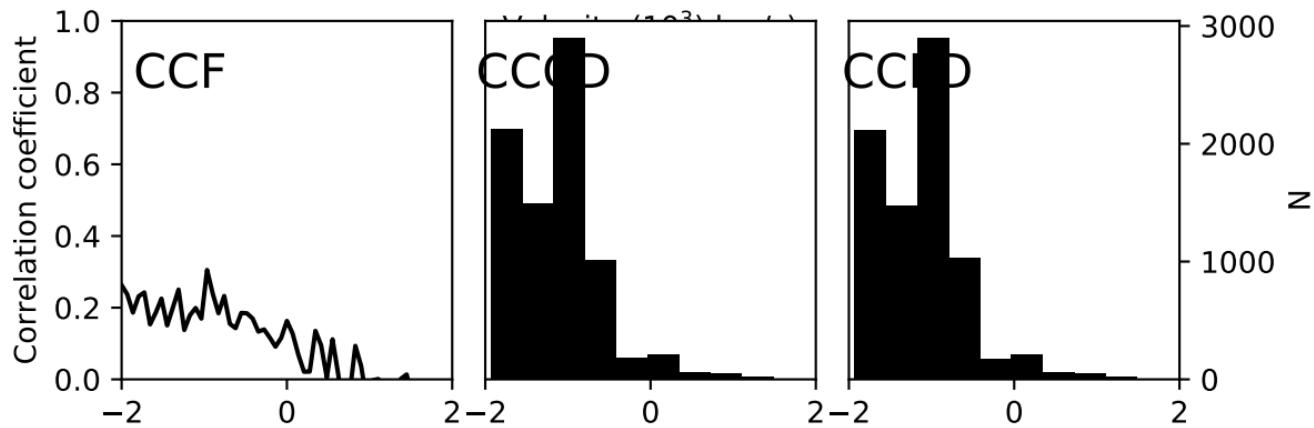
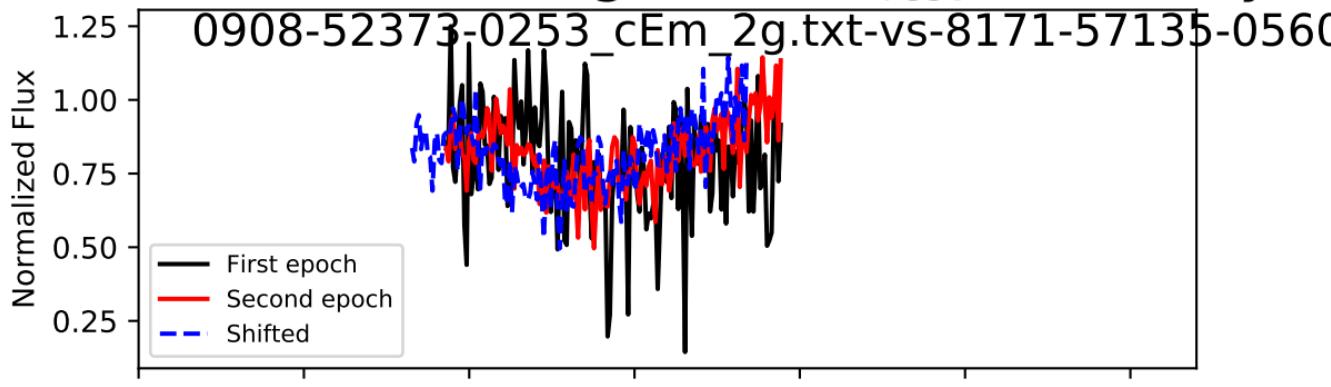
shift: 1.1 + 0.8 - 0.8 km/s, Accel: 0.007+ 0.005 - 0.005 cm

spectrum  $i = 94$ , Trough 0/0,  $\Delta t_{\text{rest}} = 3.902$  years



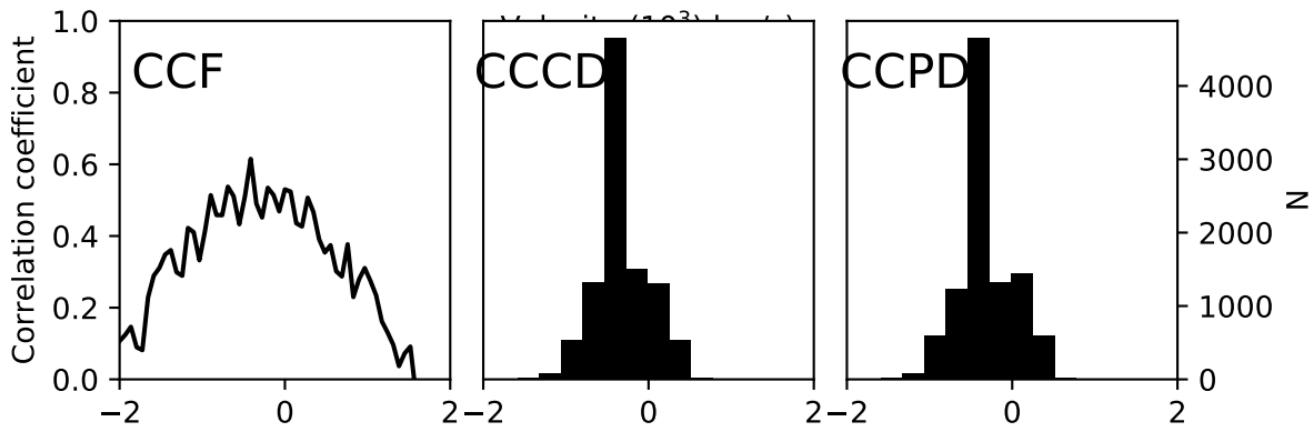
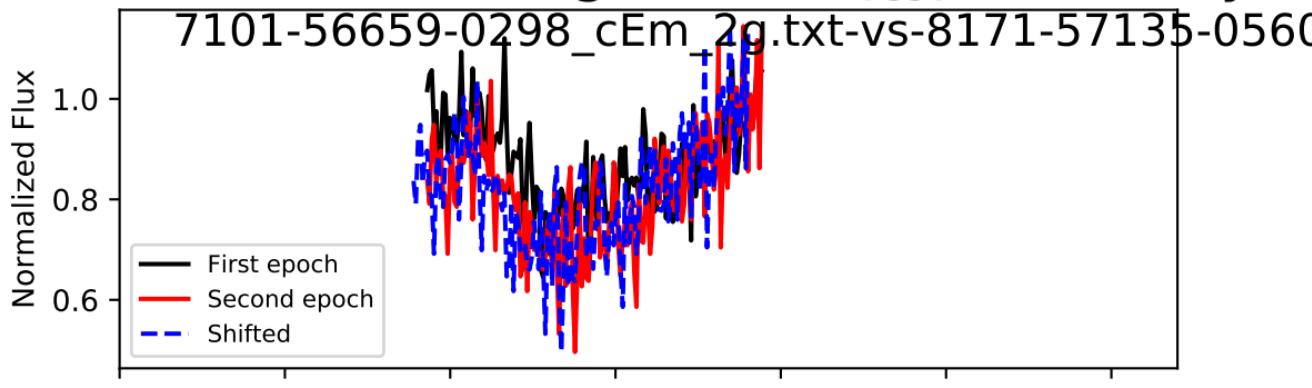
-1173.0 + 414.0 - 345.0 km/s, Accel: -0.953+ 0.336 - 0.280

spectrum  $i = 94$ , Trough 0/0,  $\Delta t_{\text{rest}} = 4.335$  years



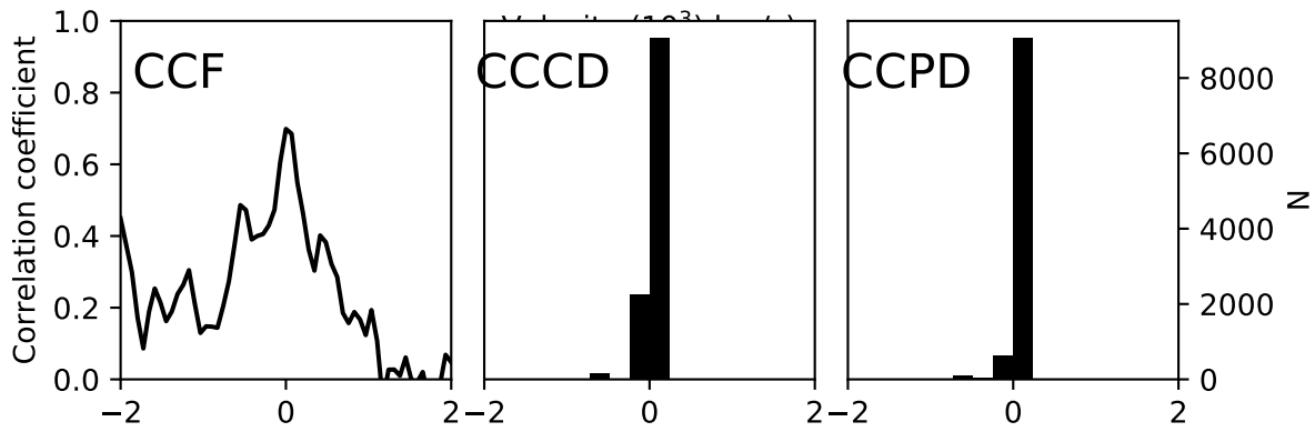
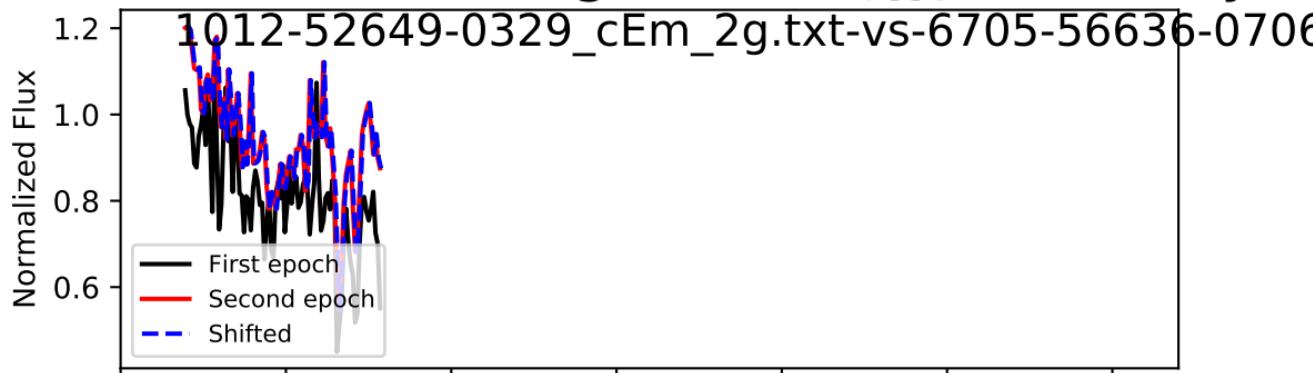
$-1035.0 + 276.0 - 722.2 \text{ km/s}$ , Accel:  $-0.757 + 0.202 - 0.528$

spectrum  $i = 94$ , Trough 0/0,  $\Delta t_{\text{rest}} = 0.433$  years



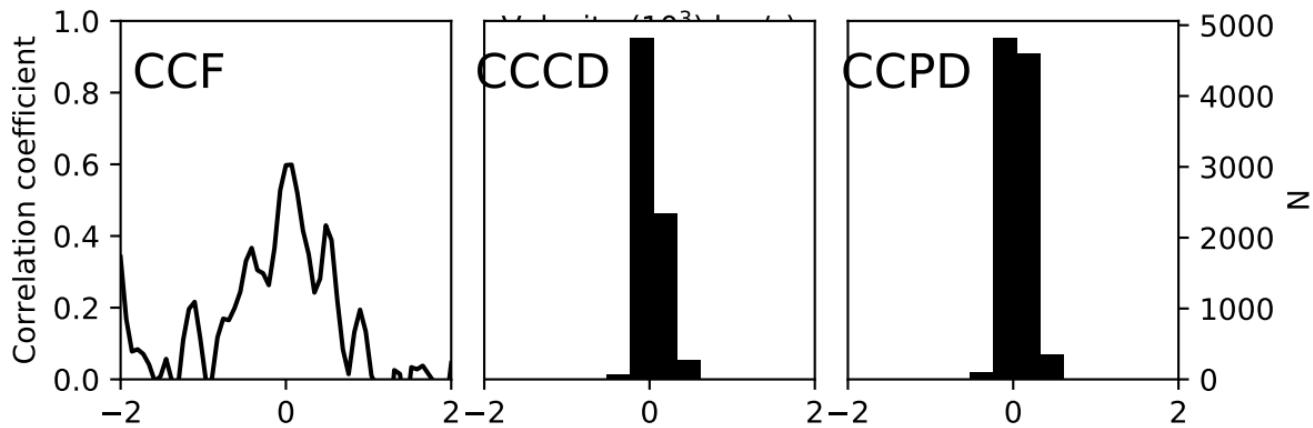
: -414.0 + 414.7 - 239.3 km/s, Accel: -3.029+ 3.035 - 1.751 c

spectrum i = 95, Trough 0/2,  $\Delta t_{\text{rest}} = 3.708$  years



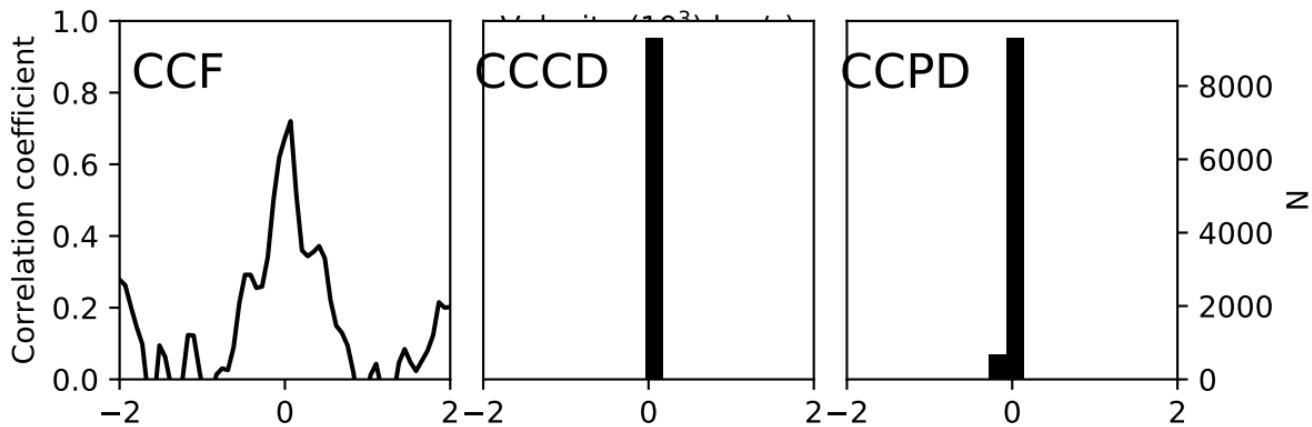
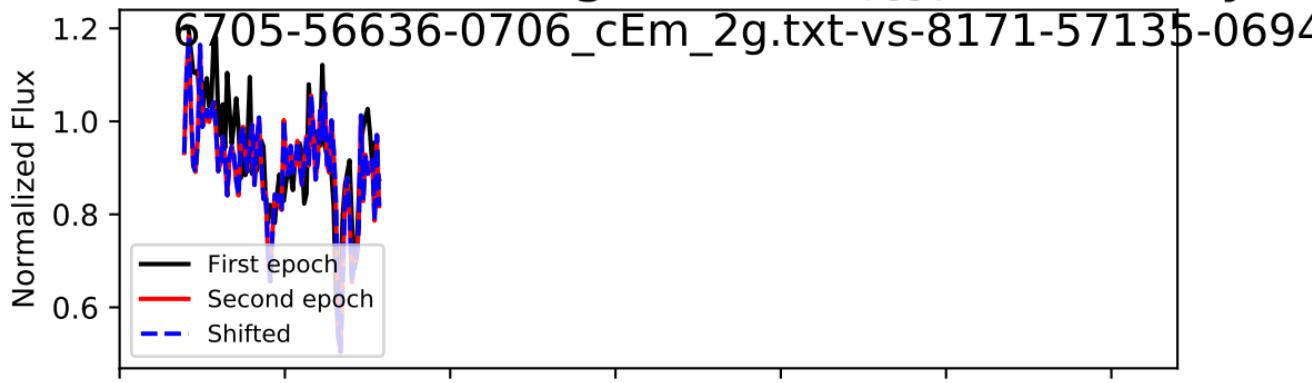
Shift:  $31.2 + 7.0 - 32.6$  km/s, Accel:  $0.027 + 0.006 - 0.028$  cm/s<sup>2</sup>

pectrum i = 95, Trough 0/2,  $\Delta t_{rest} = 4.172$  years

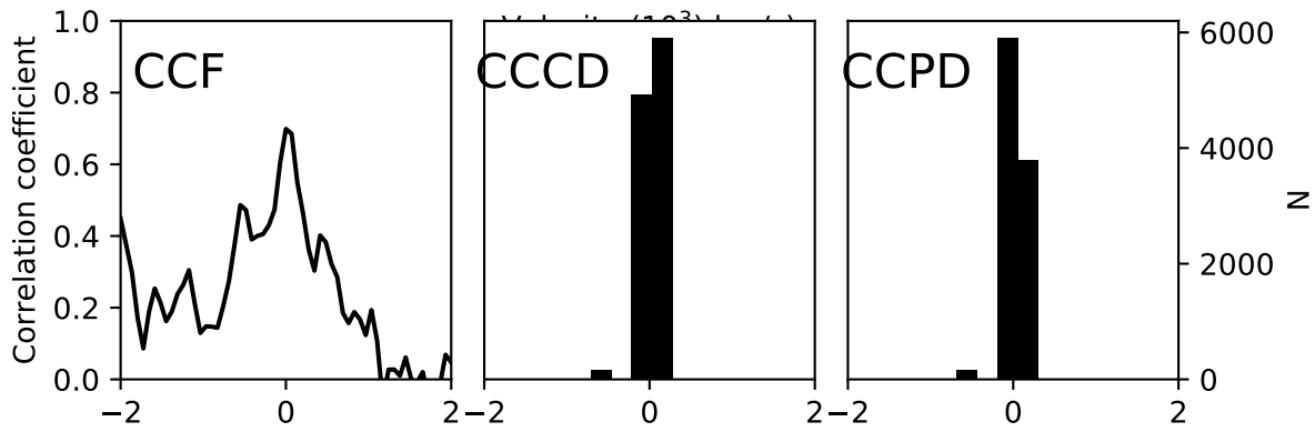
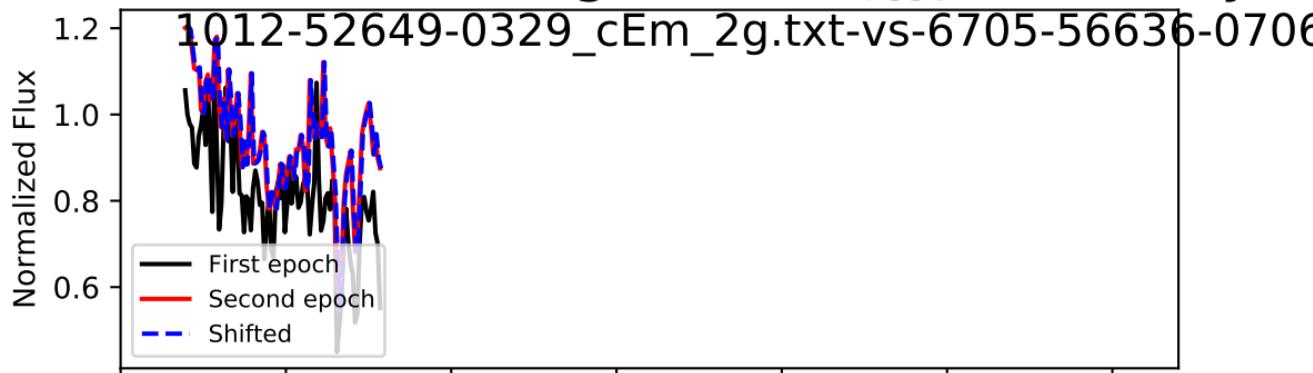


Shift: 34.6 + 36.9 - 35.8 km/s, Accel: 0.026+ 0.028 - 0.027 cm

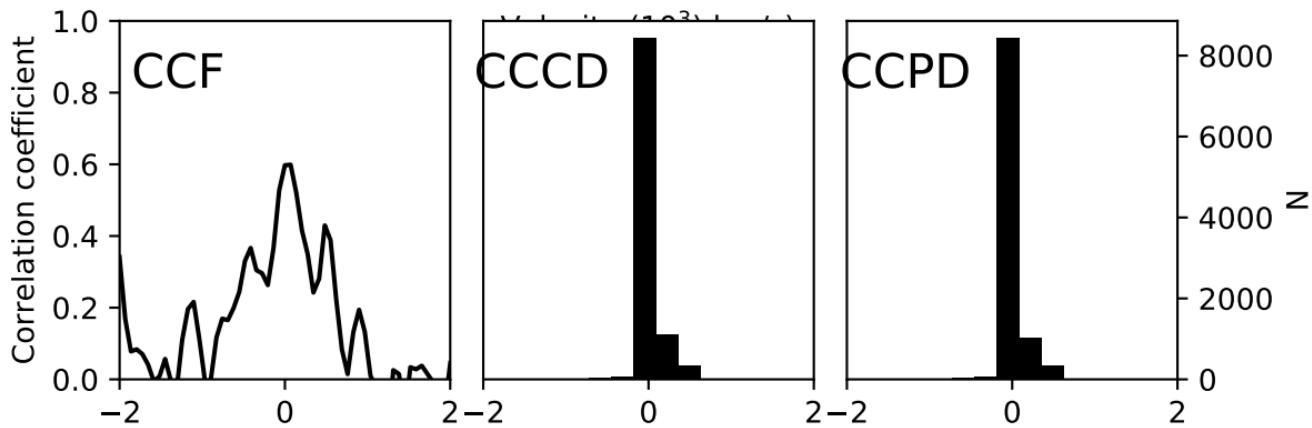
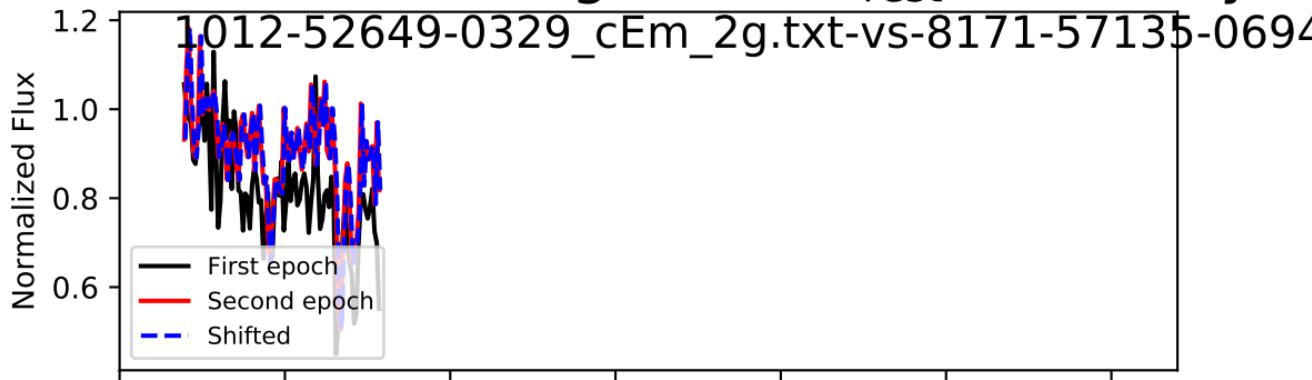
spectrum i = 95, Trough 0/2,  $\Delta t_{\text{rest}} = 0.464$  year



spectrum  $i = 95$ , Trough 1/2,  $\Delta t_{\text{rest}} = 3.708$  years

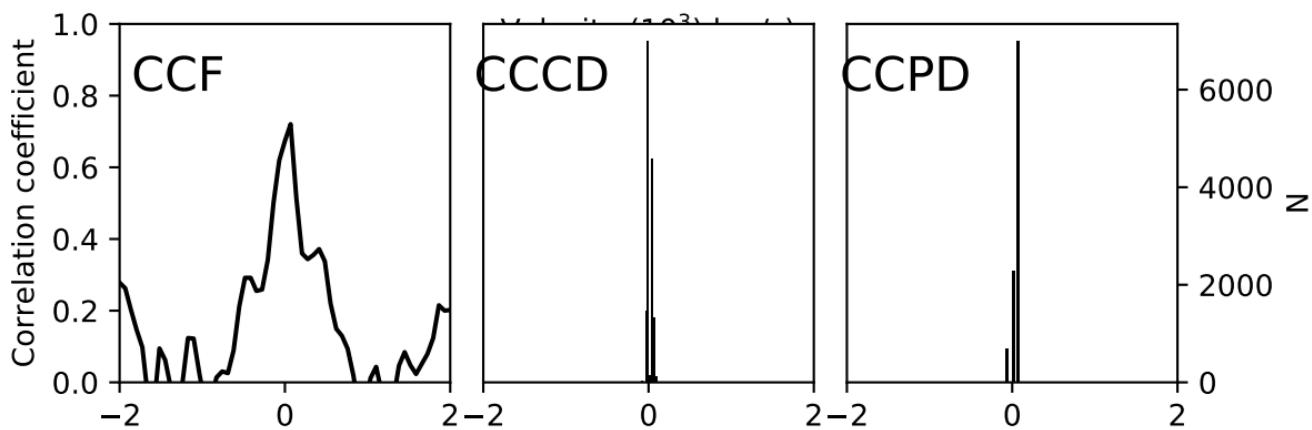
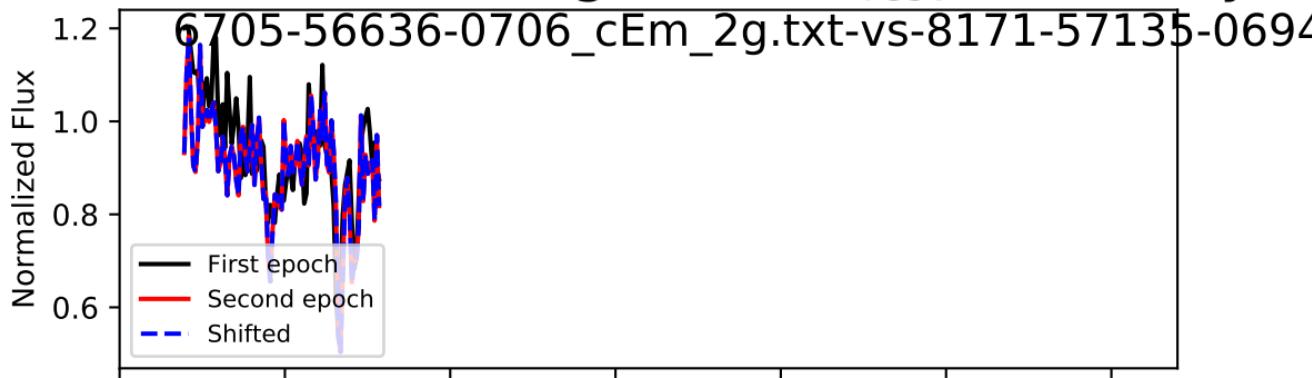


spectrum i = 95, Trough 1/2,  $\Delta t_{\text{rest}} = 4.172$  years

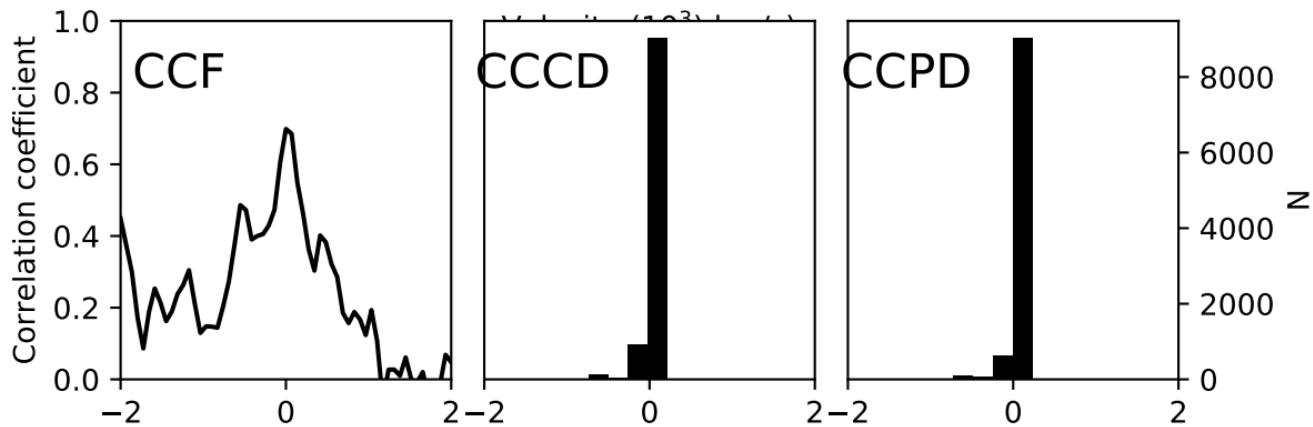
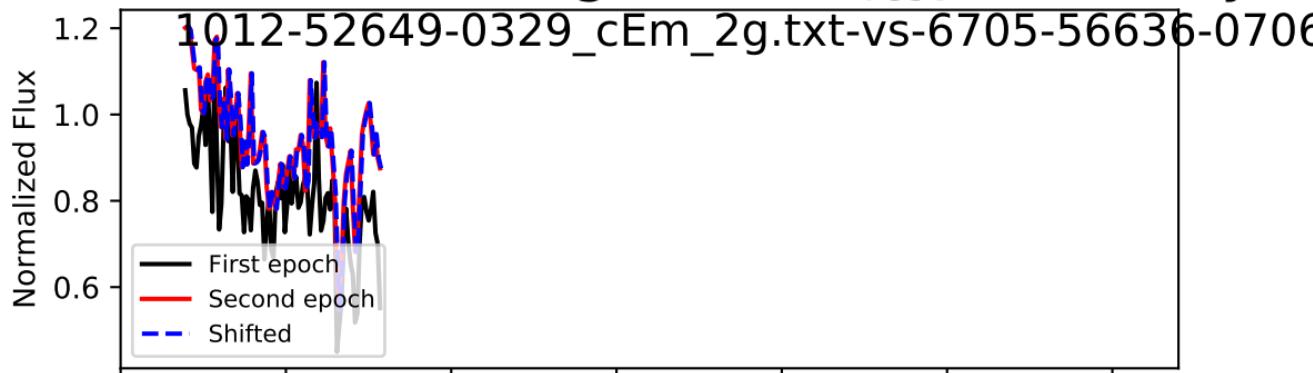


Shift: 34.6 + 37.5 - 35.2 km/s, Accel: 0.026+ 0.028 - 0.027 cm

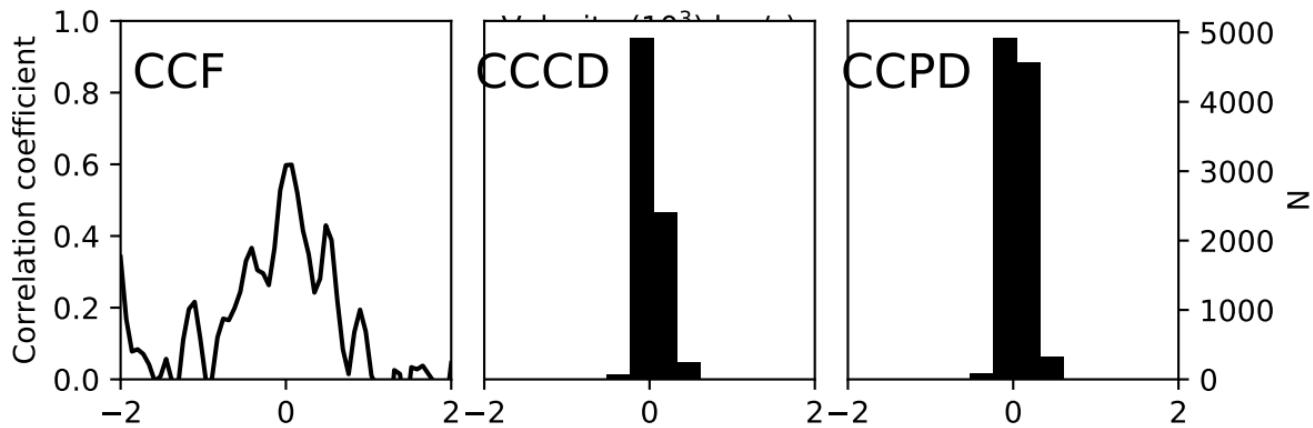
spectrum i = 95, Trough 1/2,  $\Delta t_{\text{rest}} = 0.464$  years



spectrum i = 95, Trough 2/2,  $\Delta t_{\text{rest}} = 3.708$  years

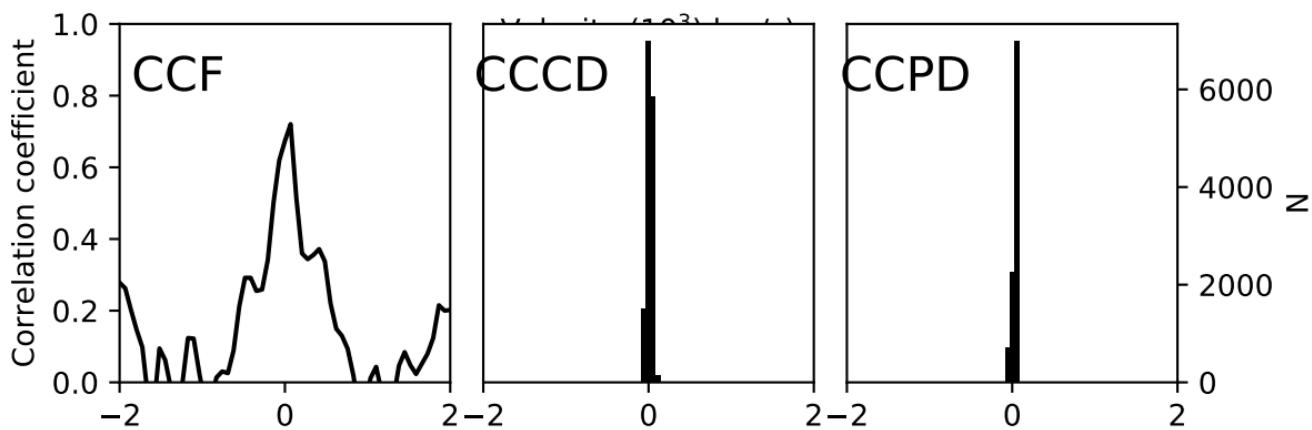
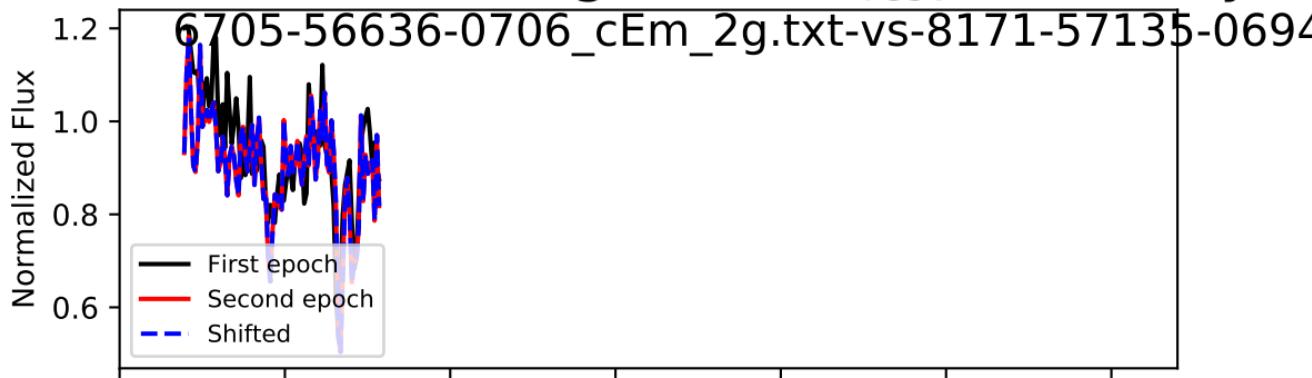


pectrum i = 95, Trough 2/2,  $\Delta t_{\text{rest}} = 4.172$  years

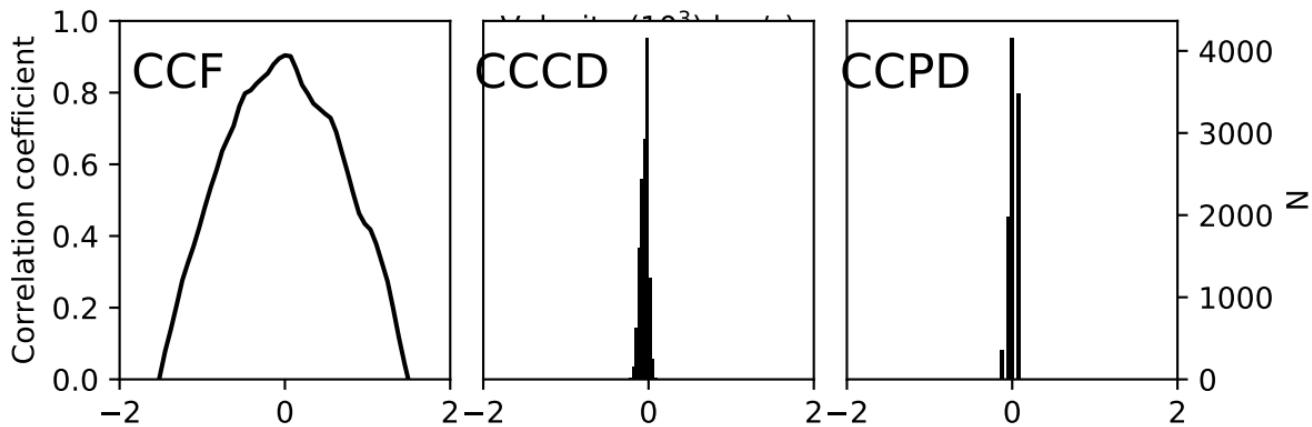
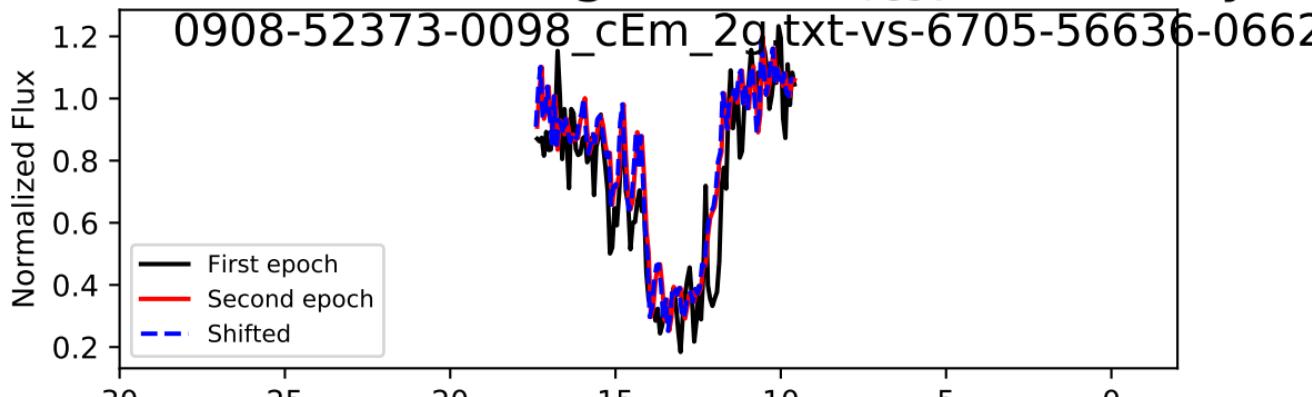


Shift: 34.6 + 37.3 - 35.6 km/s, Accel: 0.026+ 0.028 - 0.027 cm

spectrum i = 95, Trough 2/2,  $\Delta t_{\text{rest}} = 0.464$  years

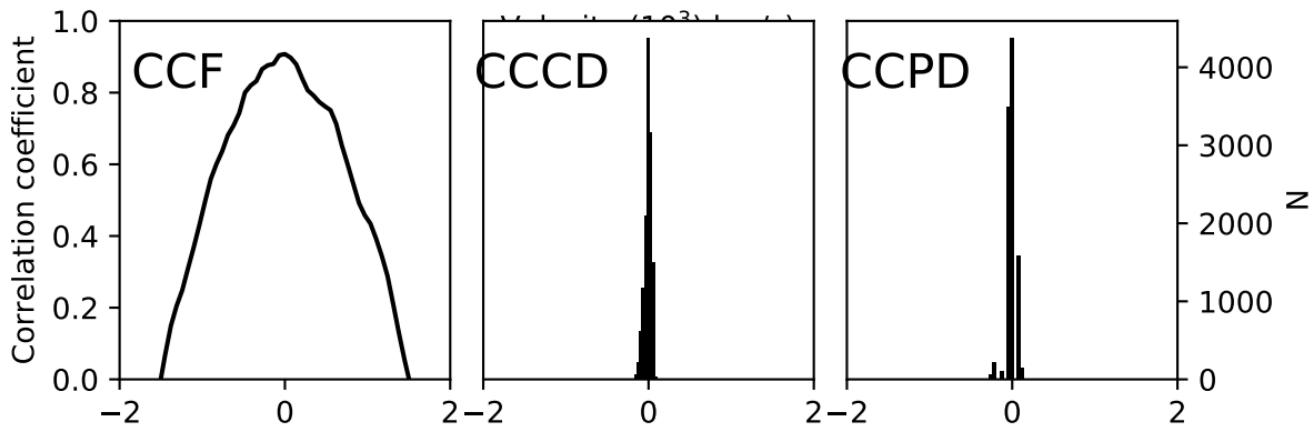
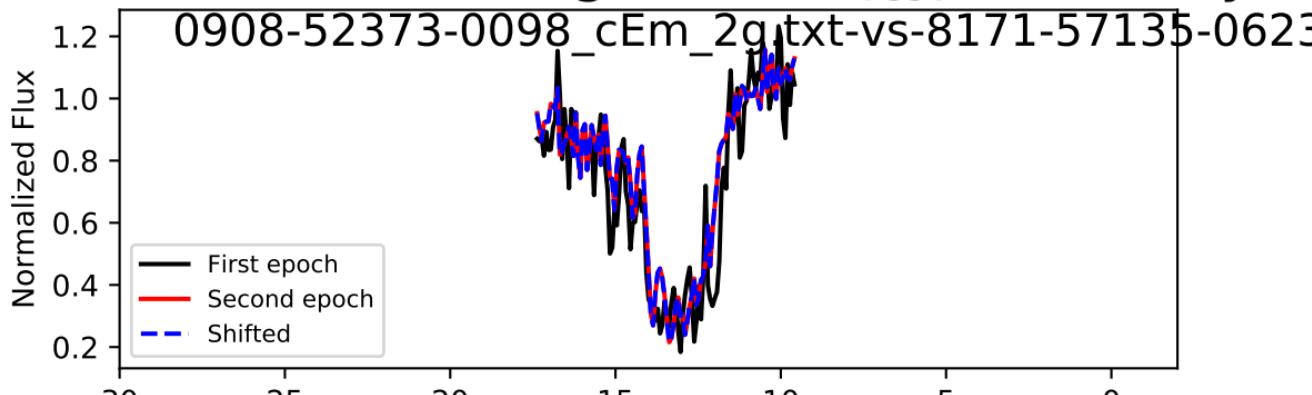


spectrum i = 96, Trough 0/0,  $\Delta t_{\text{rest}} = 4.079$  years



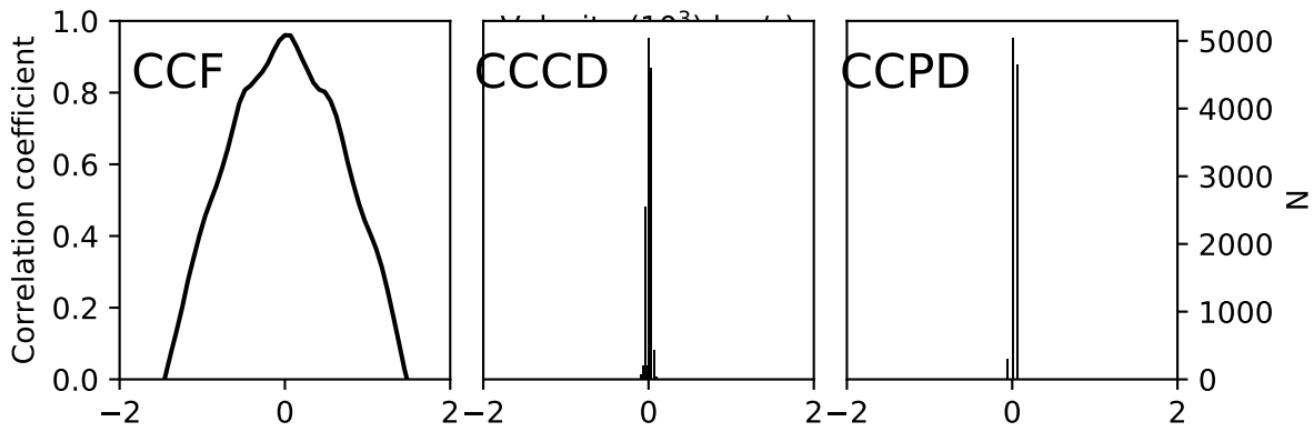
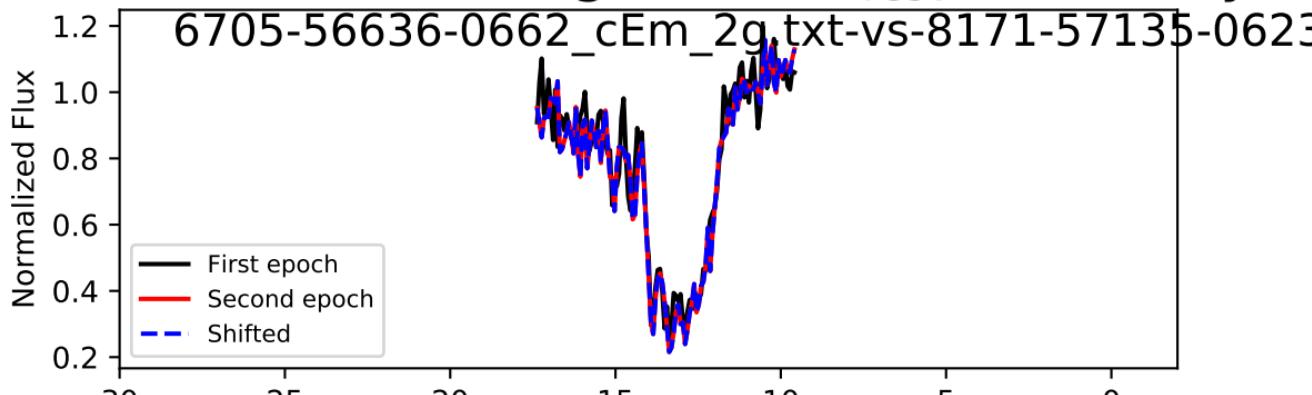
ft: -37.9 + 35.6 - 64.4 km/s, Accel: -0.029+ 0.028 - 0.050 cm

spectrum i = 96, Trough 0/0,  $\Delta t_{\text{rest}} = 4.557$  years

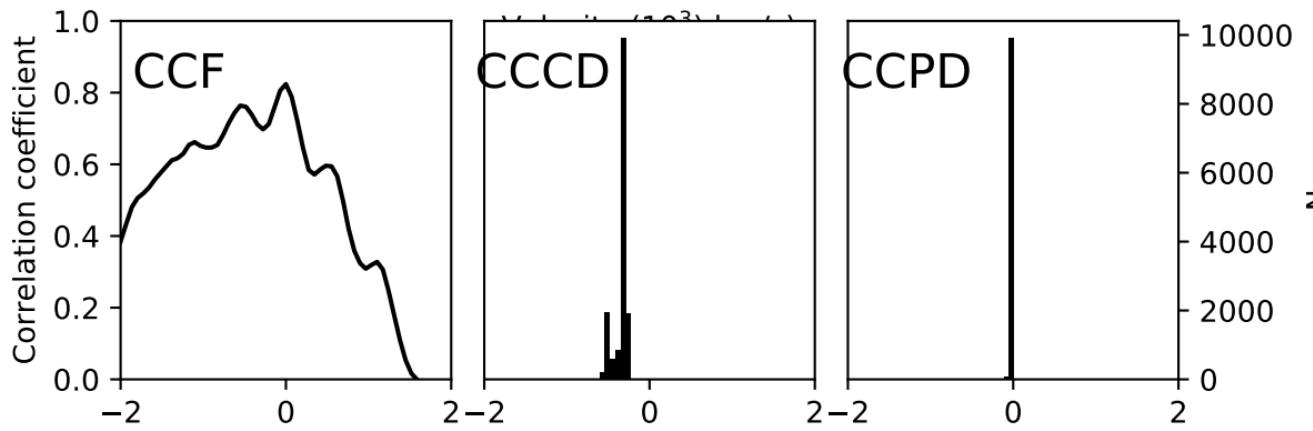
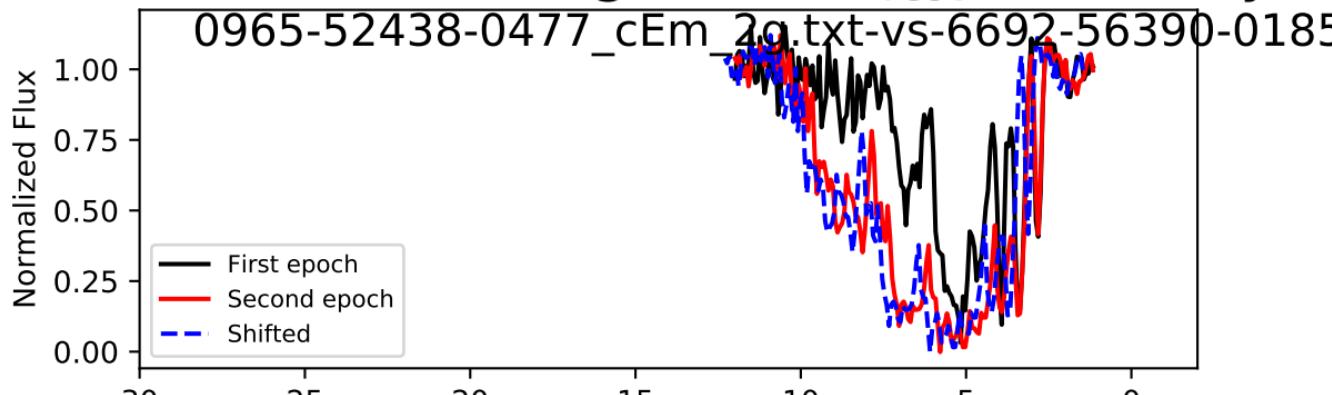


Shift:  $-5.1 + 35.6 - 39.0$  km/s, Accel:  $-0.004 + 0.025 - 0.027$  cm/s<sup>2</sup>

spectrum i = 96, Trough 0/0,  $\Delta t_{\text{rest}} = 0.477$  years

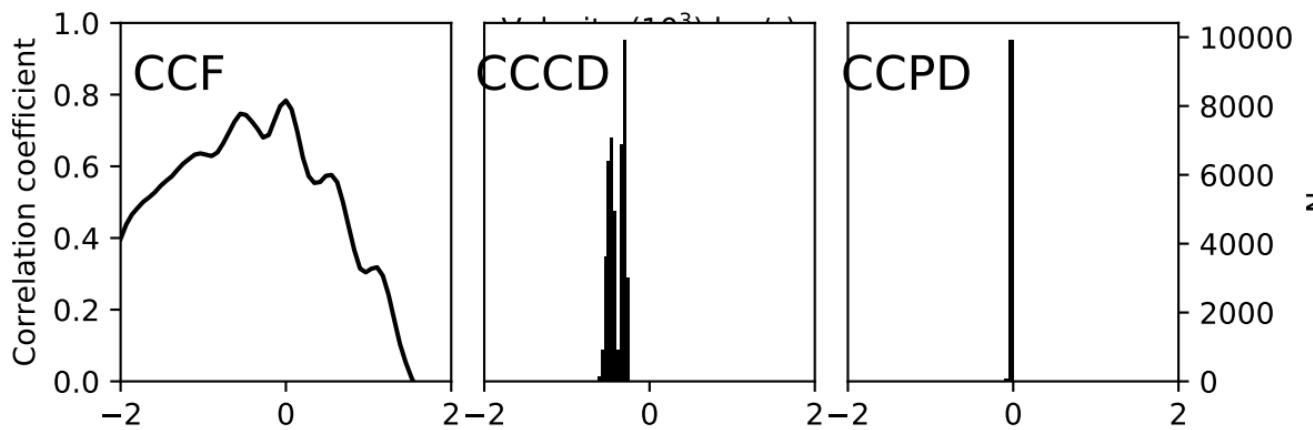
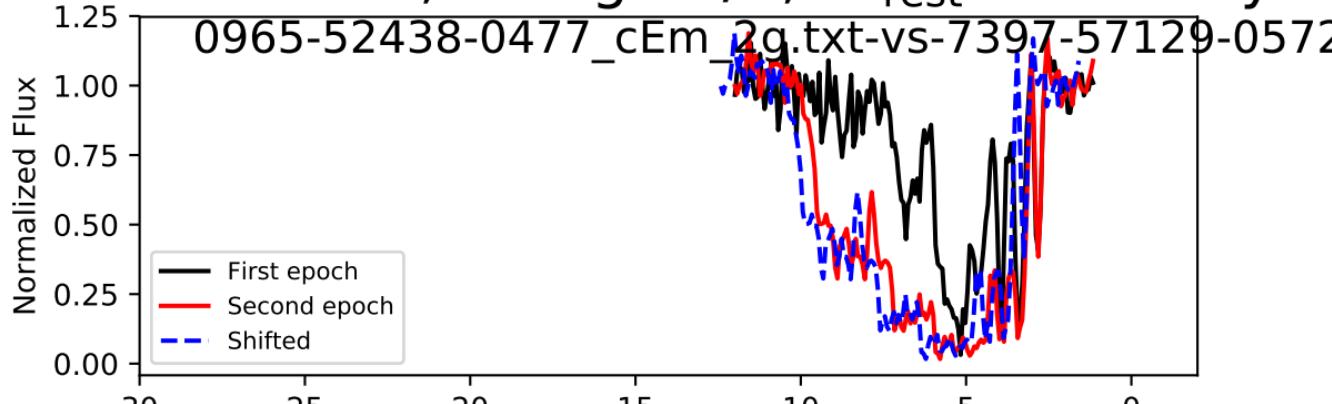


spectrum i = 98, Trough 0/0,  $\Delta t_{\text{rest}} = 3.124$  years



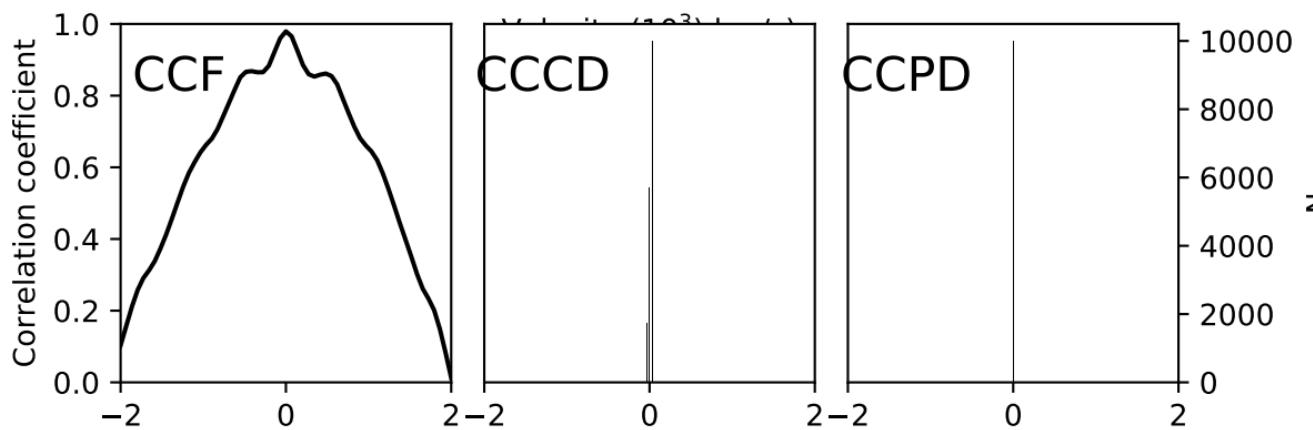
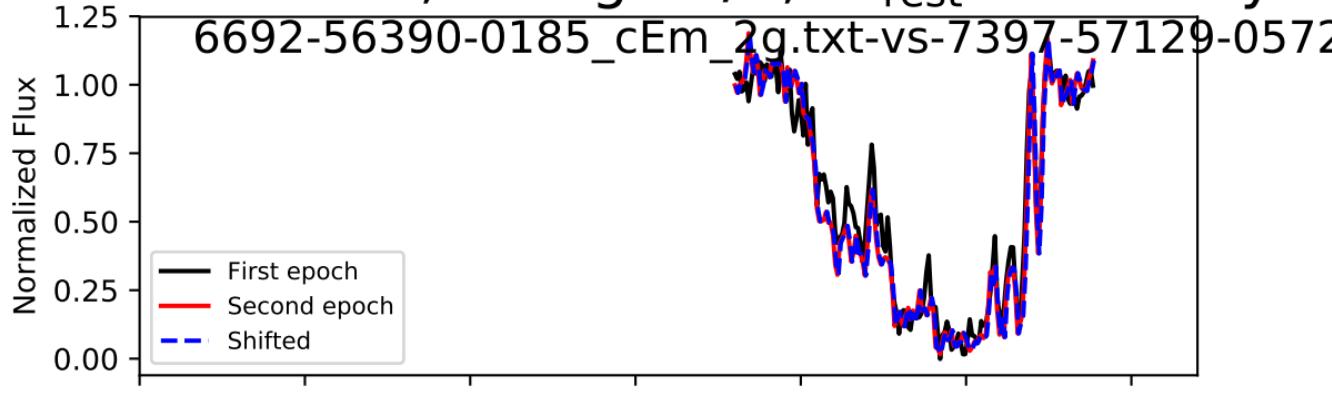
t: -303.7 + 3.0 - 161.4 km/s, Accel: -0.308+ 0.003 - 0.164 cm/s<sup>2</sup>

spectrum i = 98, Trough 0/0,  $\Delta t_{\text{rest}} = 3.708$  years



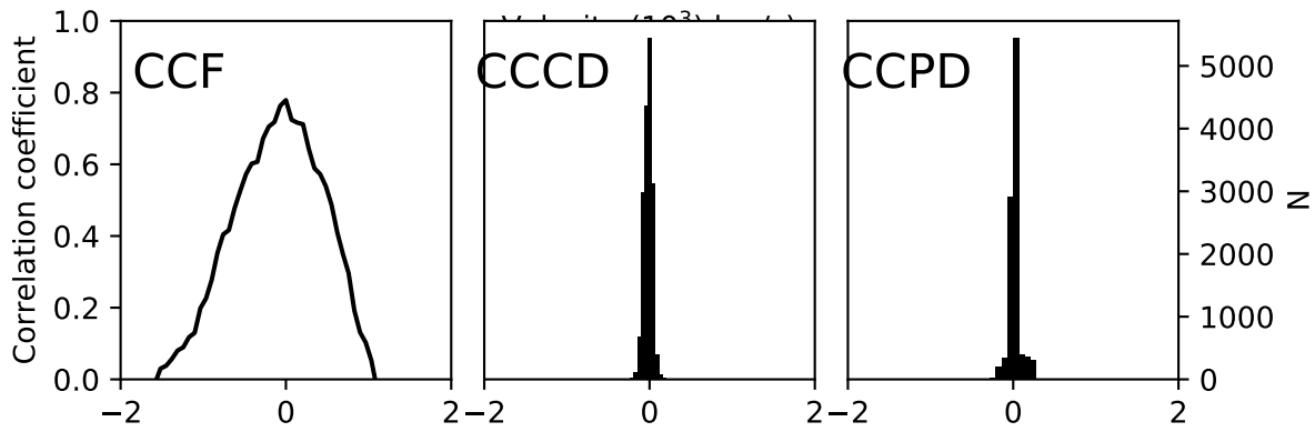
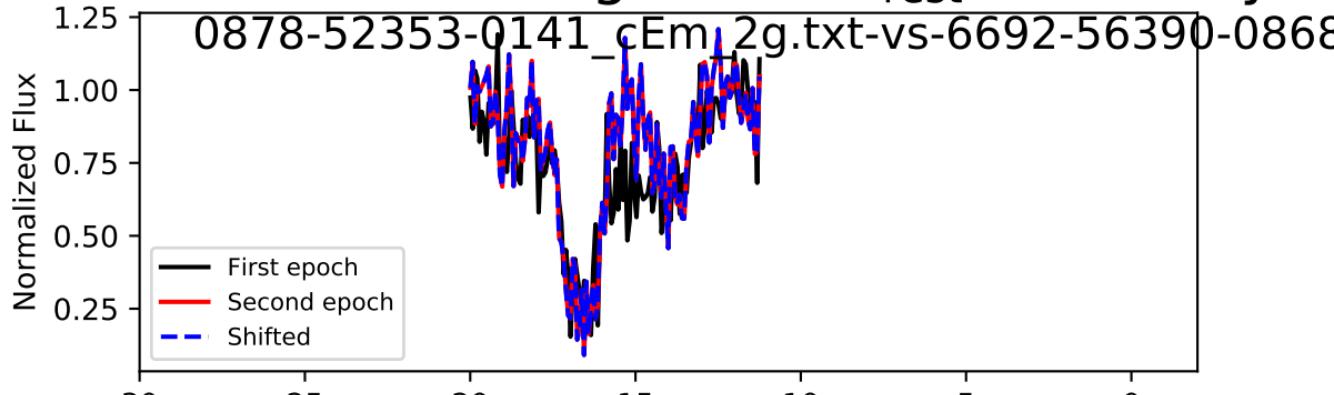
t: -430.0 + 126.5 - 68.8 km/s, Accel: -0.368+ 0.108 - 0.059 c

spectrum i = 98, Trough 0/0,  $\Delta t_{\text{rest}} = 0.584$  years

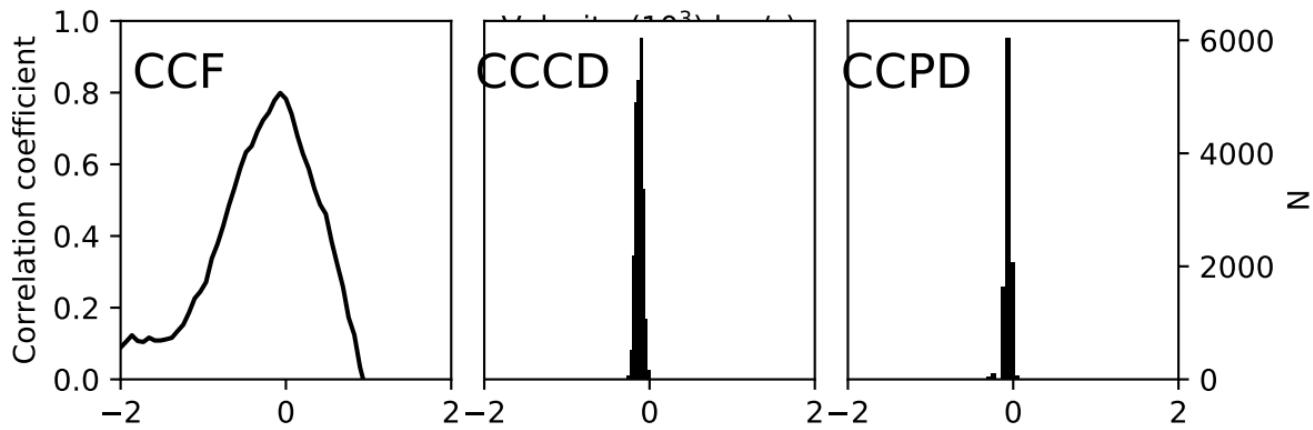
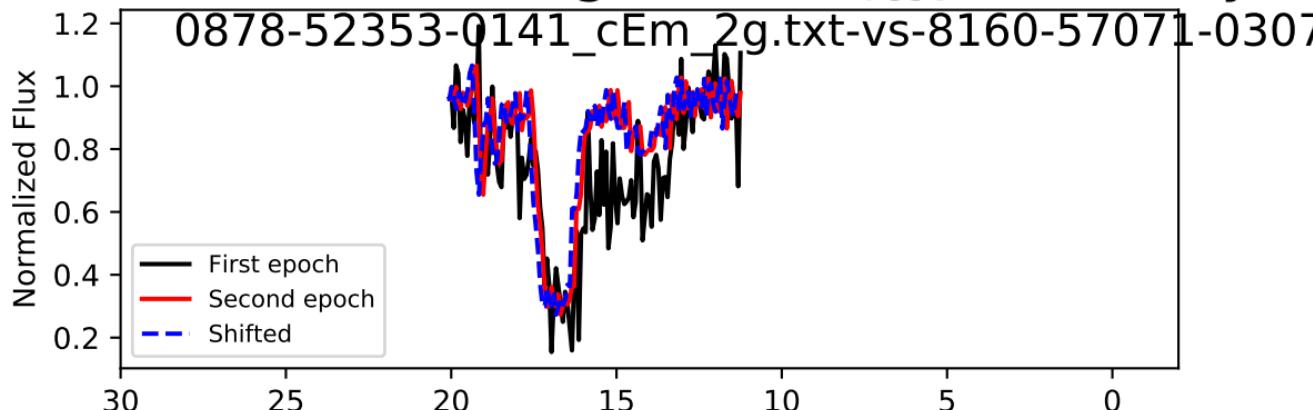


shift:  $30.5 + 2.4 - 32.4$  km/s, Accel:  $0.166 + 0.013 - 0.176$  cm

spectrum i = 99, Trough 0/0,  $\Delta t_{\text{rest}} = 3.311$  years

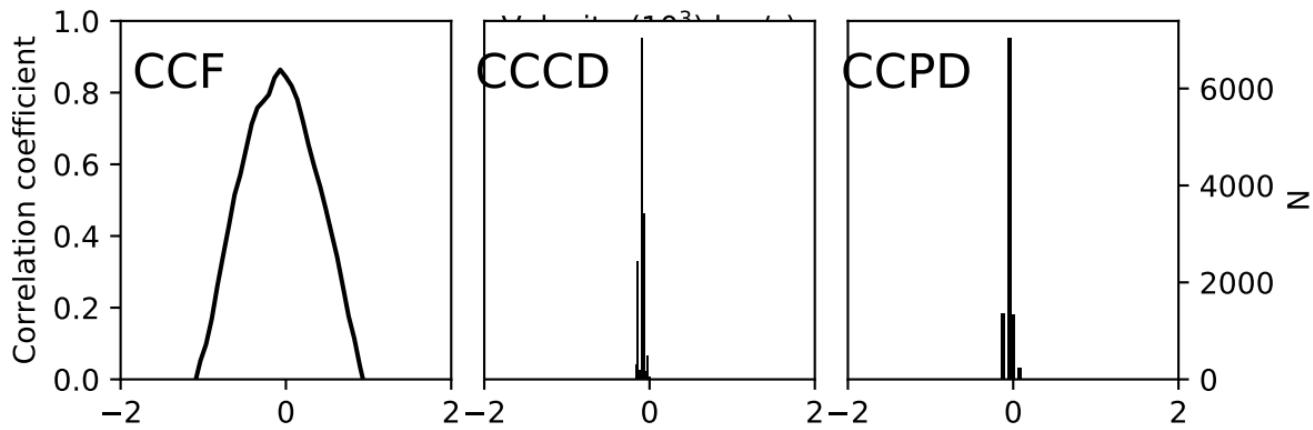
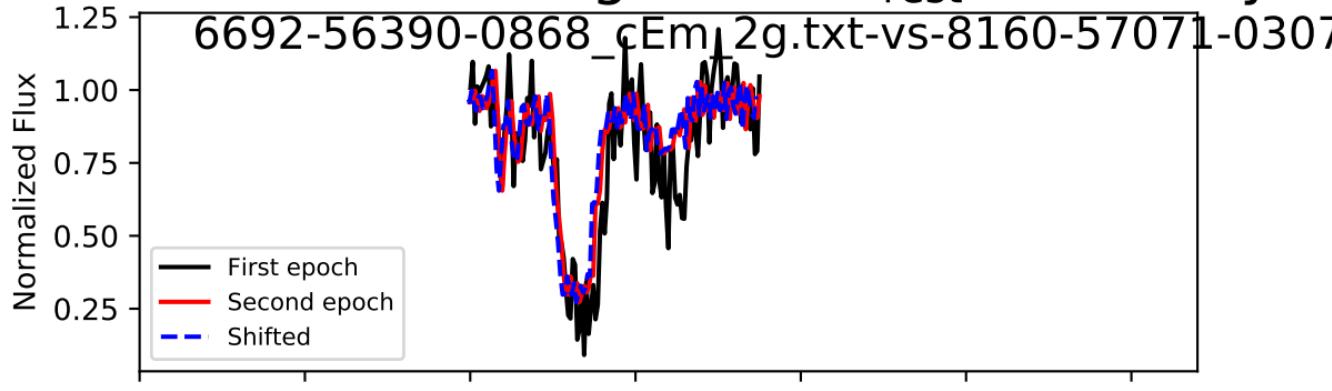


spectrum i = 99, Trough 0/0,  $\Delta t_{\text{rest}} = 3.869$  years



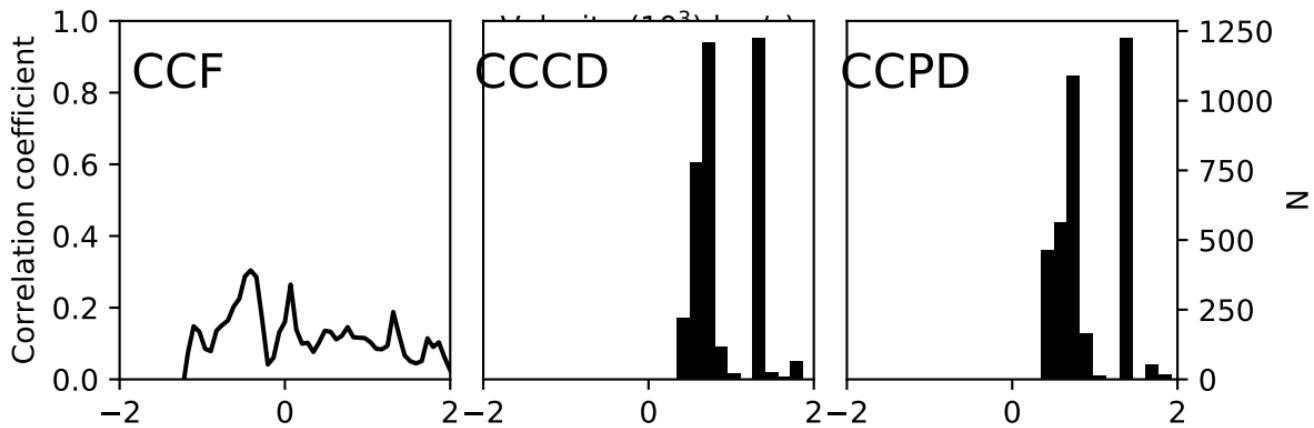
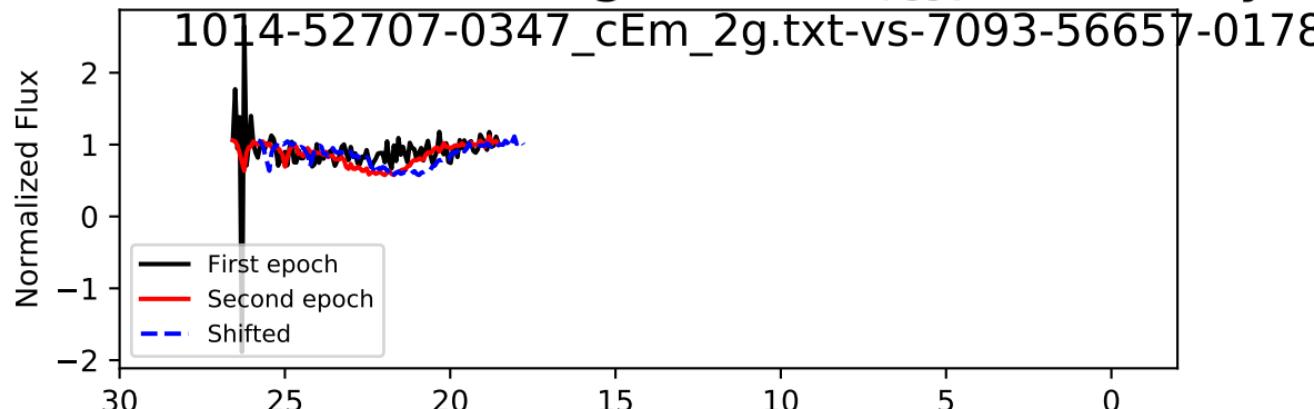
t: -132.8 + 62.0 - 36.7 km/s, Accel: -0.109+ 0.051 - 0.030 cm/s<sup>2</sup>

spectrum  $i = 99$ , Trough 0/0,  $\Delta t_{\text{rest}} = 0.558$  years



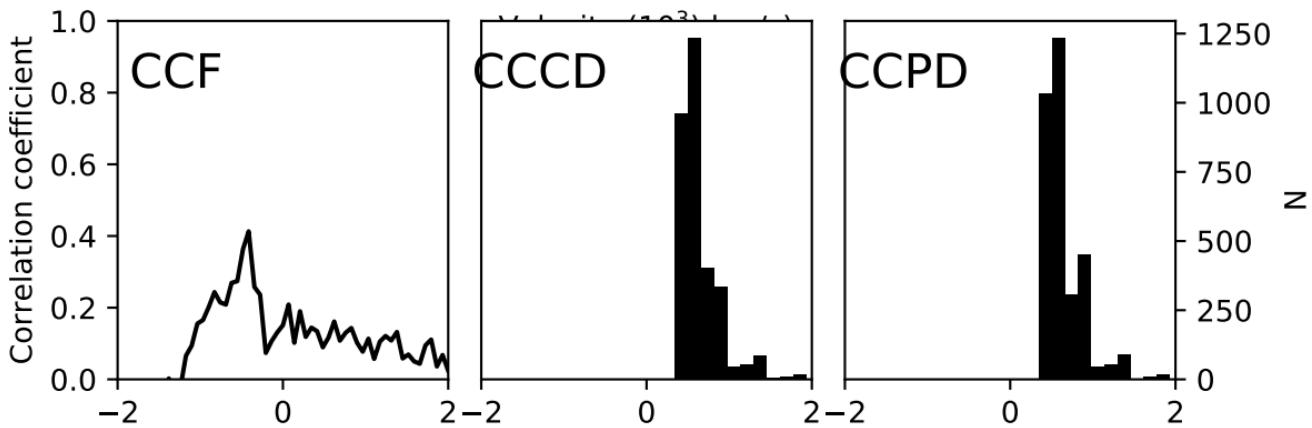
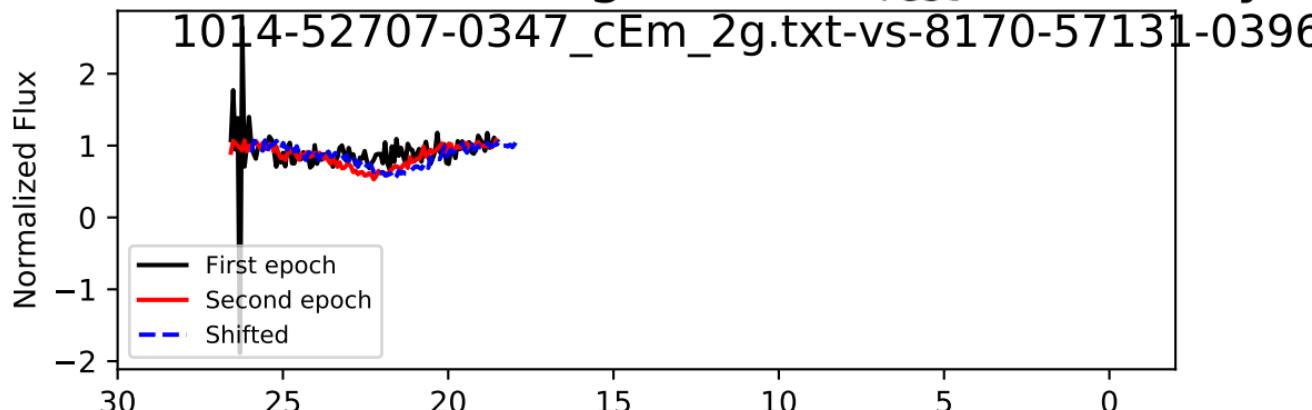
t:  $-100.8 + 33.1 - 32.0 \text{ km/s}$ , Accel:  $-0.572 + 0.188 - 0.182 \text{ cm/s}^2$

spectrum i = 100, Trough 0/1,  $\Delta t_{\text{rest}} = 2.751$  ye



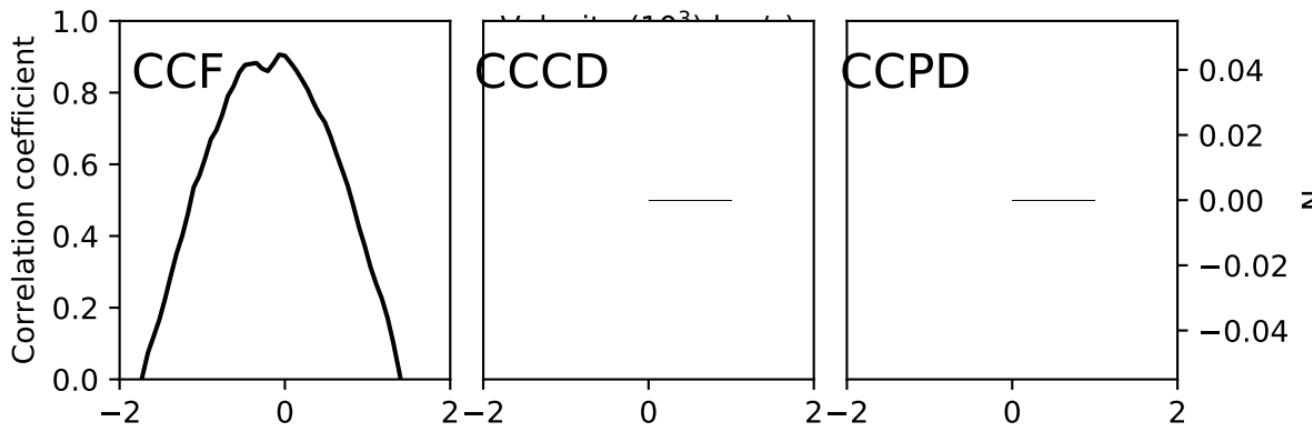
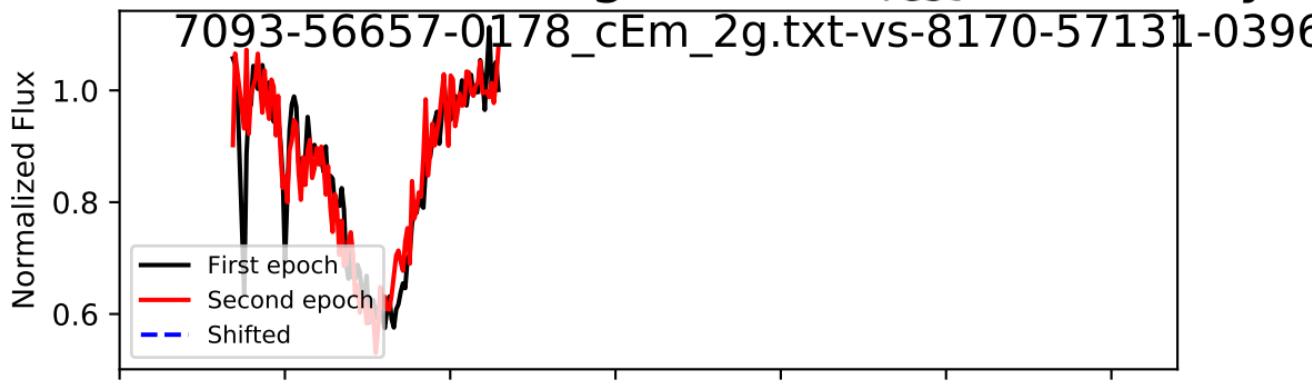
ft: 759.0 + 552.0 - 205.2 km/s, Accel: 0.875+ 0.636 - 0.236 cr

spectrum i = 100, Trough 0/1,  $\Delta t_{\text{rest}} = 3.082$  ye



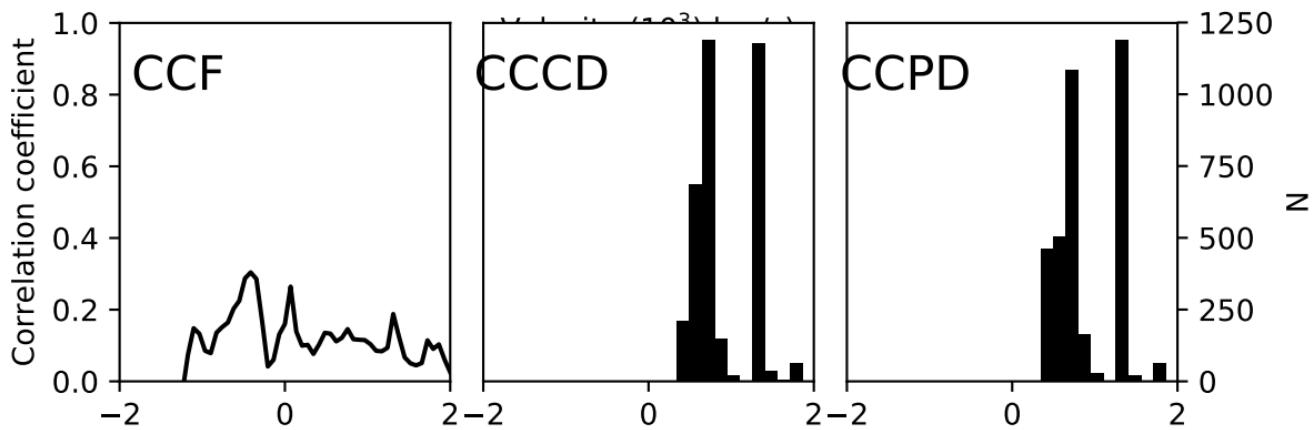
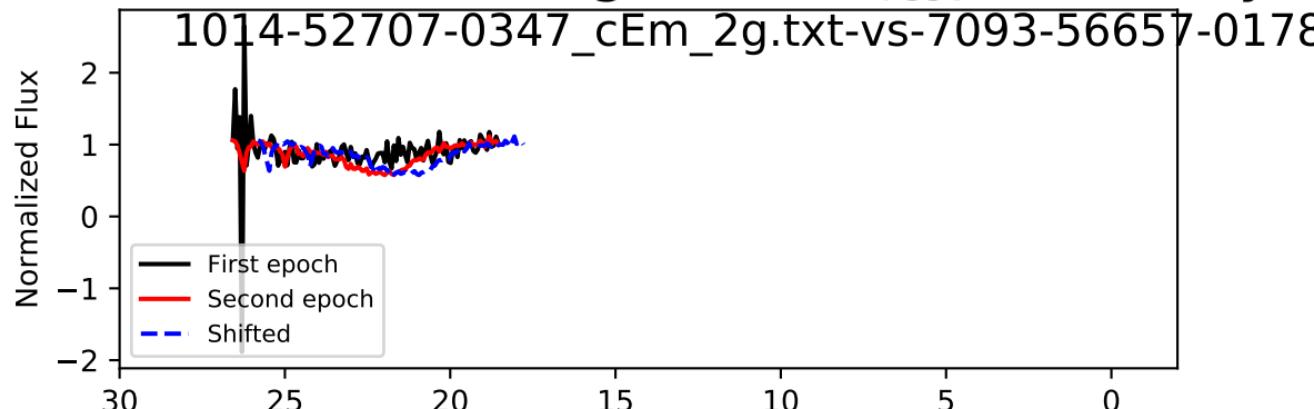
ft: 621.0 + 207.0 - 241.4 km/s, Accel: 0.639+ 0.213 - 0.248 cm

spectrum i = 100, Trough 0/1,  $\Delta t_{\text{rest}} = 0.330$  ye



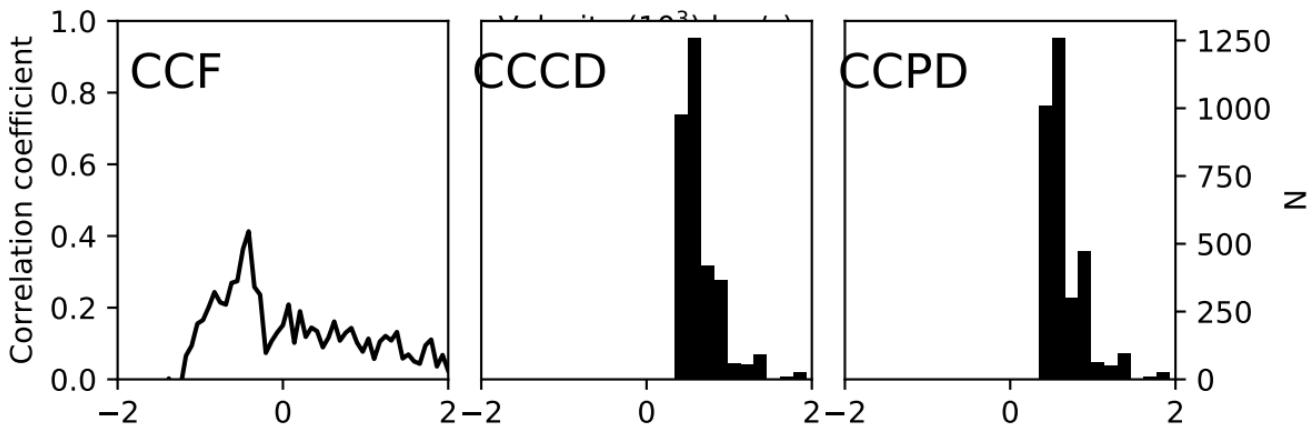
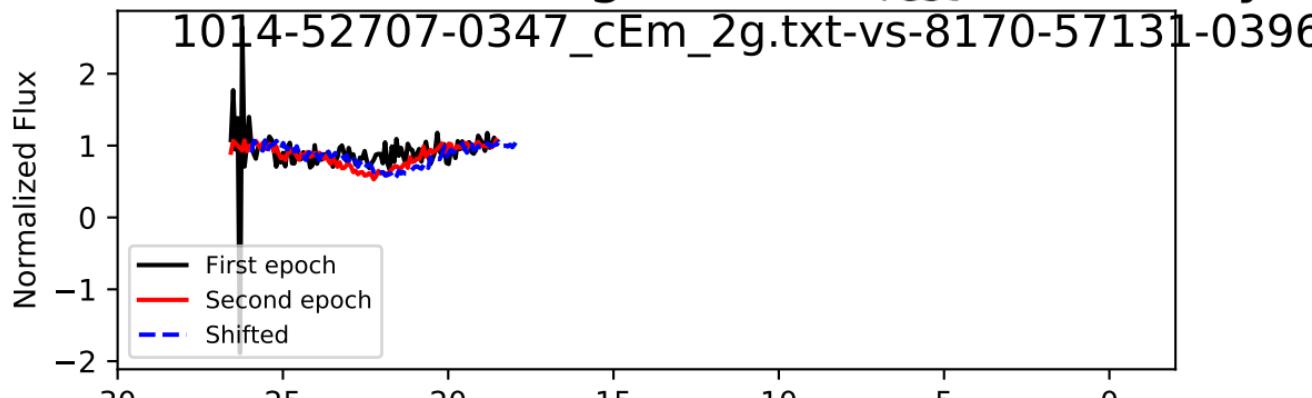
shift: nan + nan - nan km/s, Accel: nan+ nan - nan cm

spectrum i = 100, Trough 1/1,  $\Delta t_{\text{rest}} = 2.751$  ye



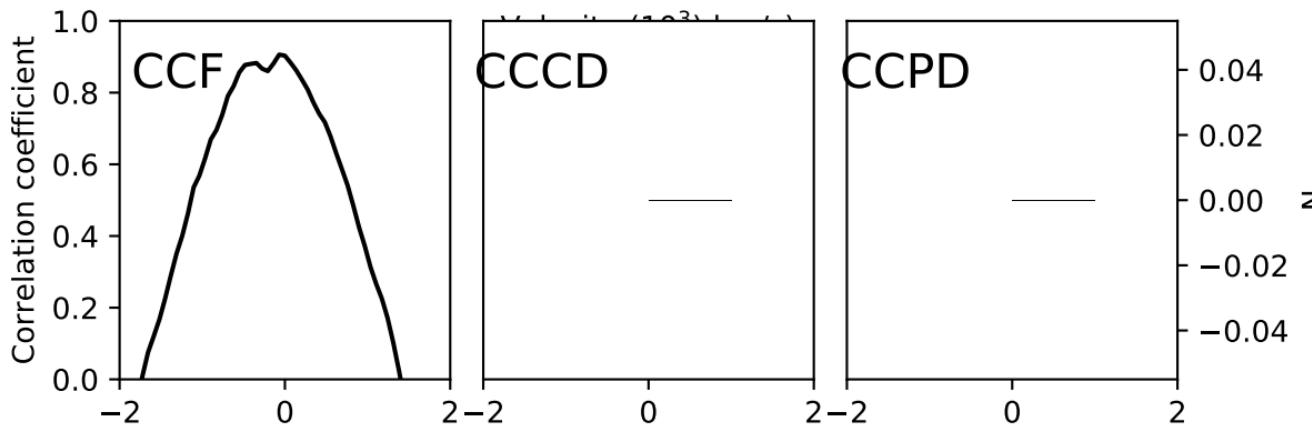
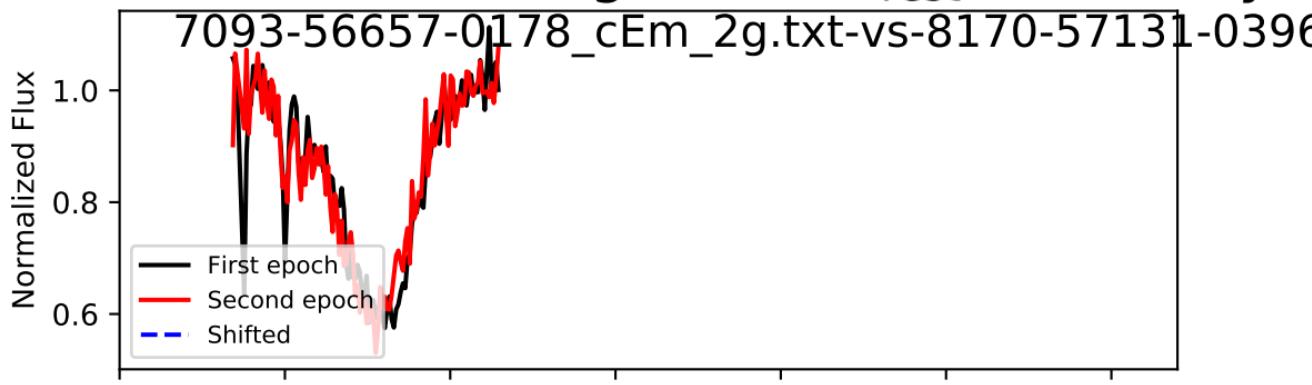
ft: 759.0 + 552.0 - 201.1 km/s, Accel: 0.875+ 0.636 - 0.232 cr

spectrum i = 100, Trough 1/1,  $\Delta t_{\text{rest}} = 3.082$  ye

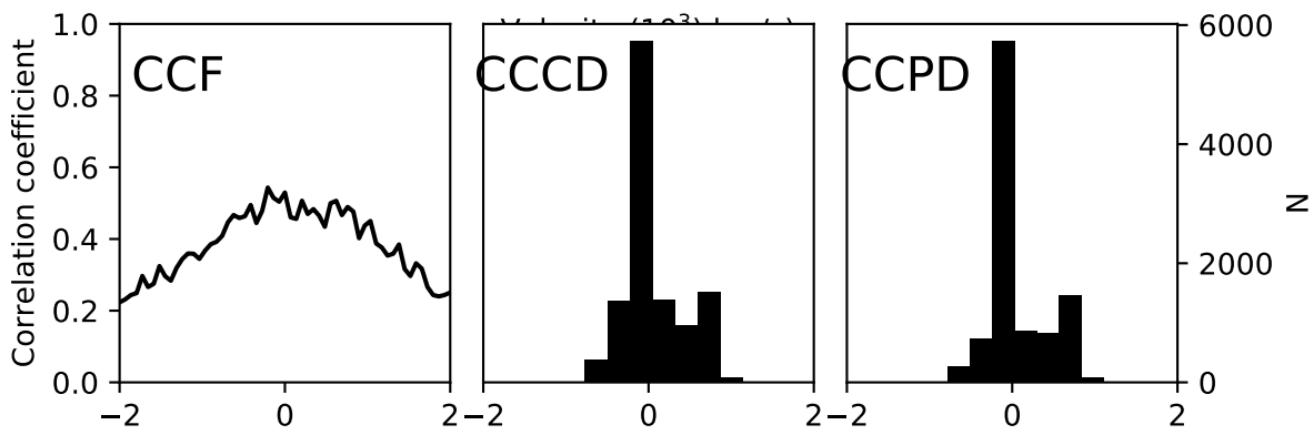
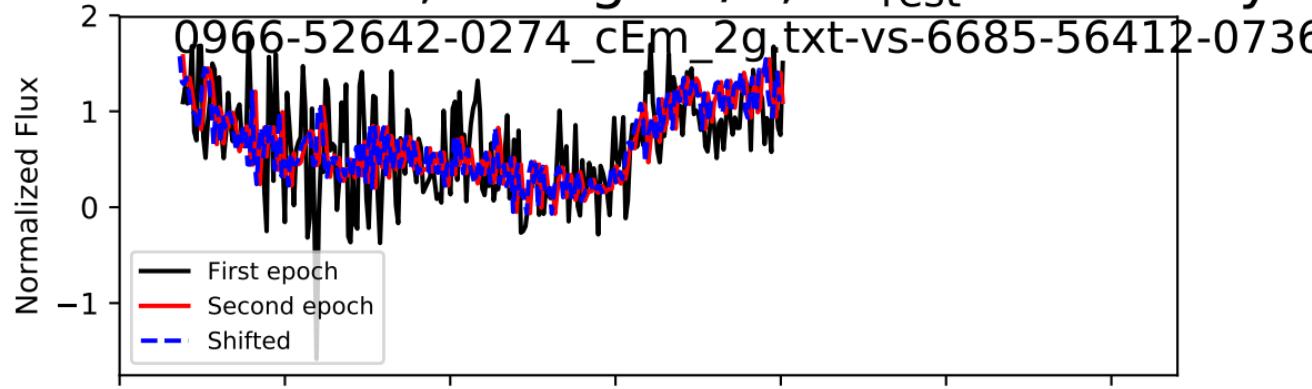


ft: 621.0 + 207.0 - 239.9 km/s, Accel: 0.639+ 0.213 - 0.247 cr

spectrum i = 100, Trough 1/1,  $\Delta t_{\text{rest}} = 0.330$  ye

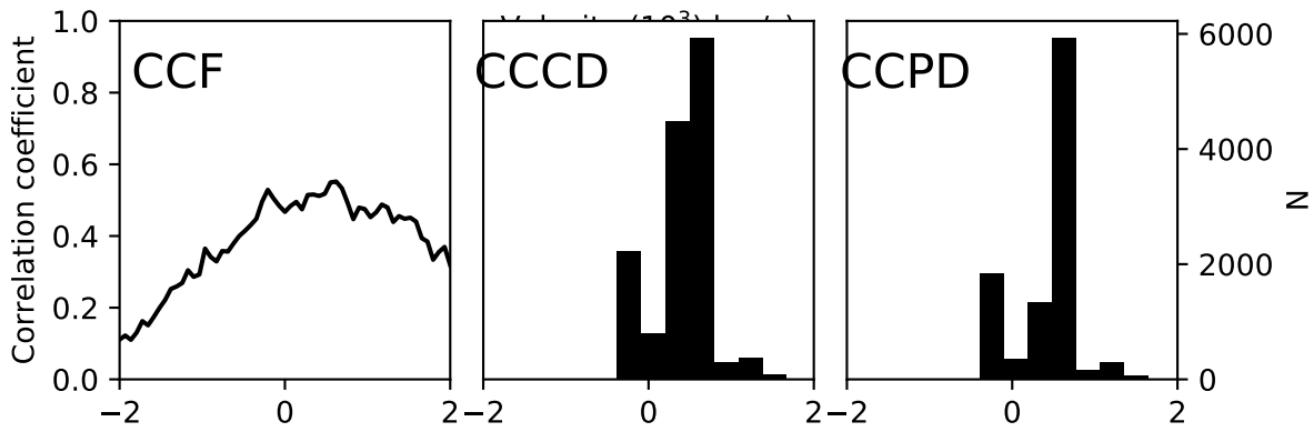
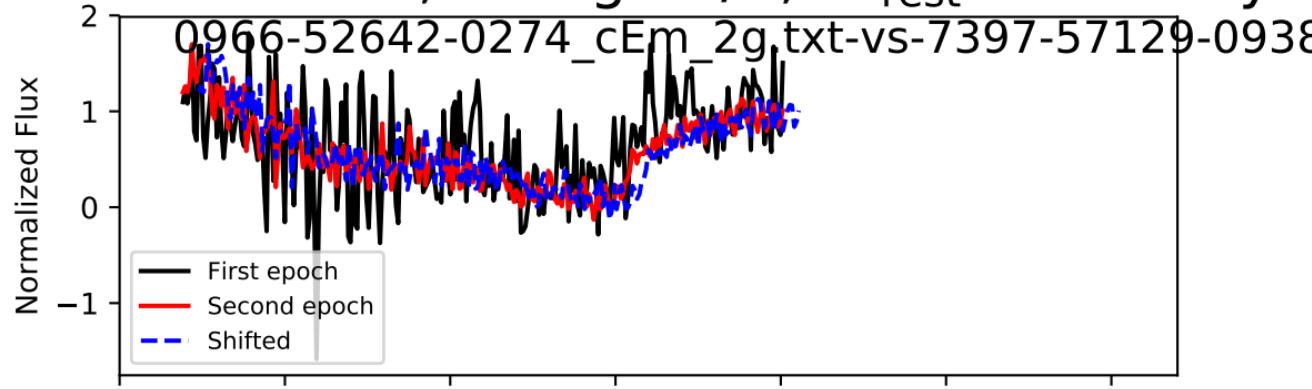


spectrum i = 102, Trough 0/2,  $\Delta t_{\text{rest}} = 3.630$  ye



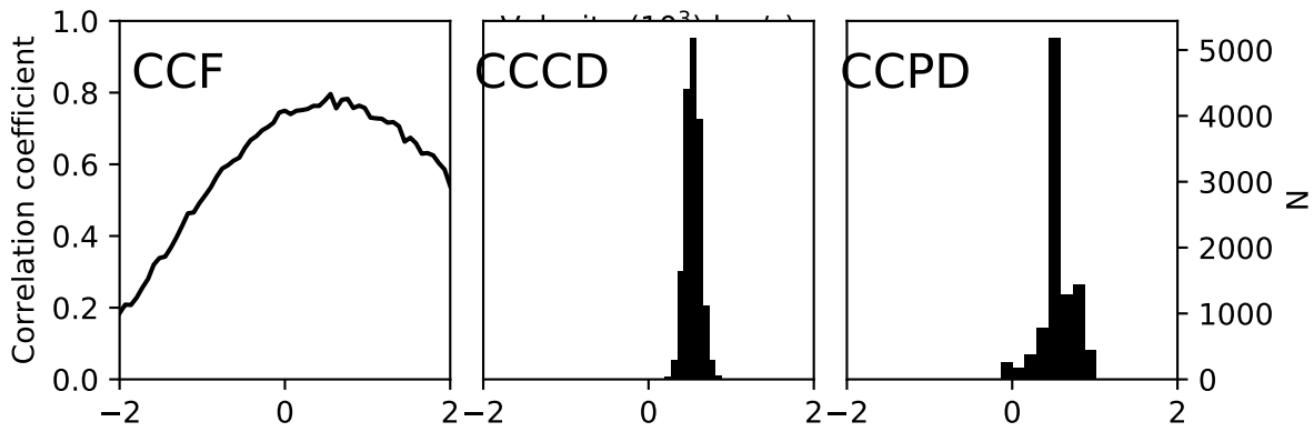
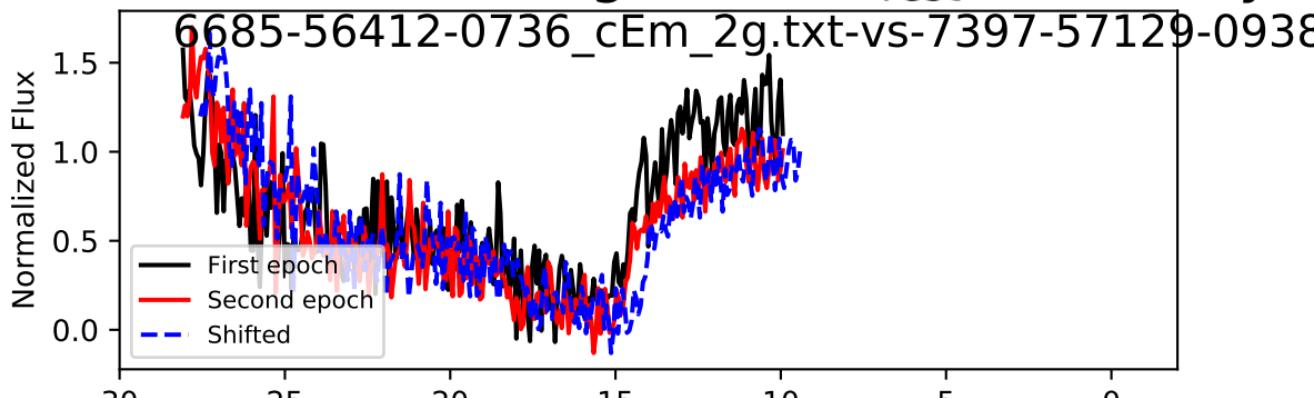
t: -97.7 + 684.6 - 111.0 km/s, Accel: -0.085+ 0.598 - 0.097 cr

spectrum  $i = 102$ , Trough 0/2,  $\Delta t_{\text{rest}} = 4.320$  ye

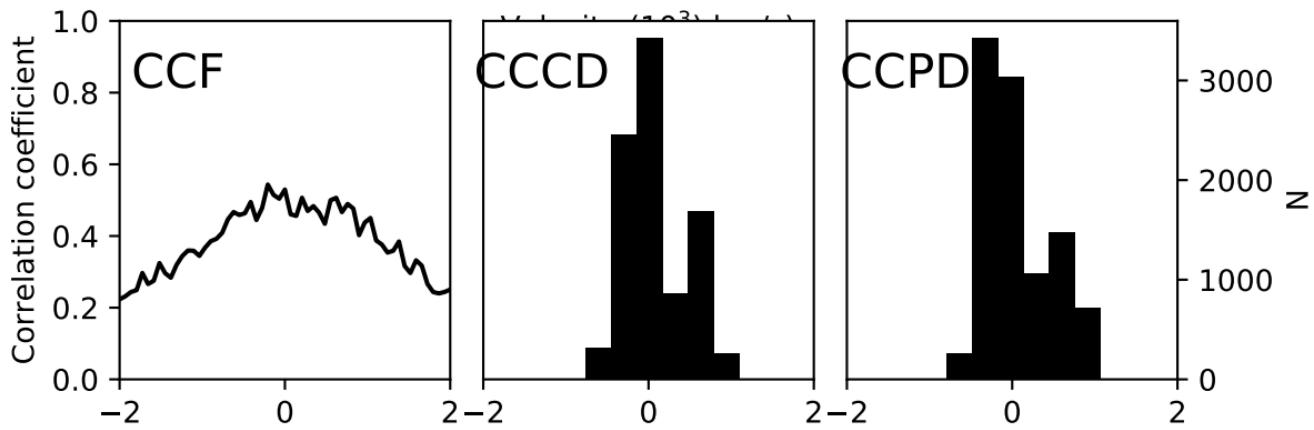
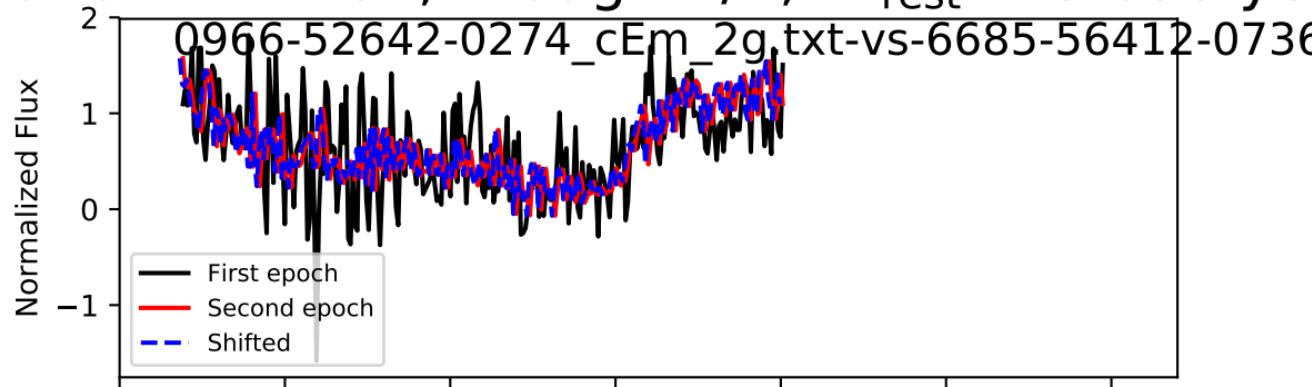


ft: 486.2 + 135.8 - 559.9 km/s, Accel: 0.357+ 0.100 - 0.411 cm

spectrum i = 102, Trough 0/2,  $\Delta t_{\text{rest}} = 0.690$  ye

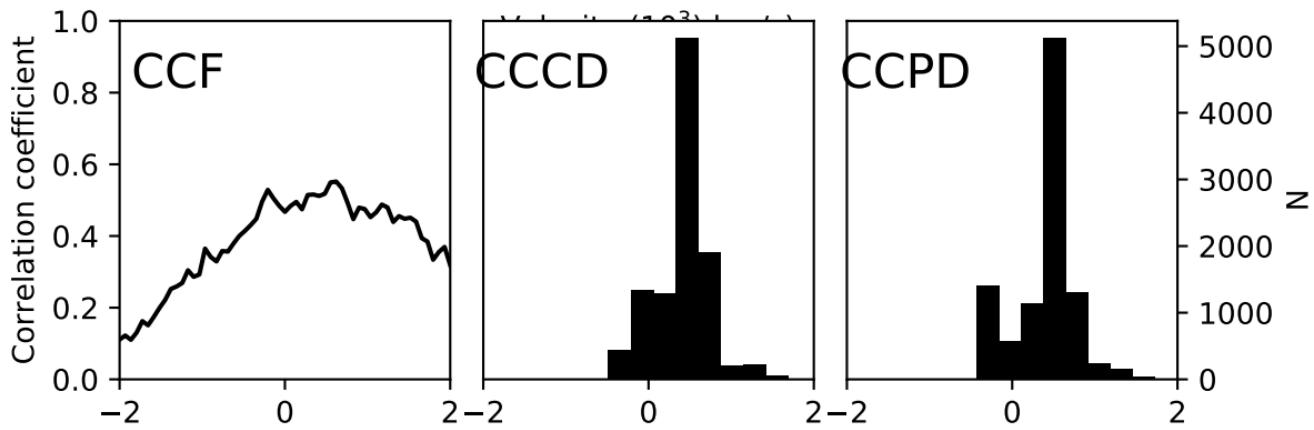
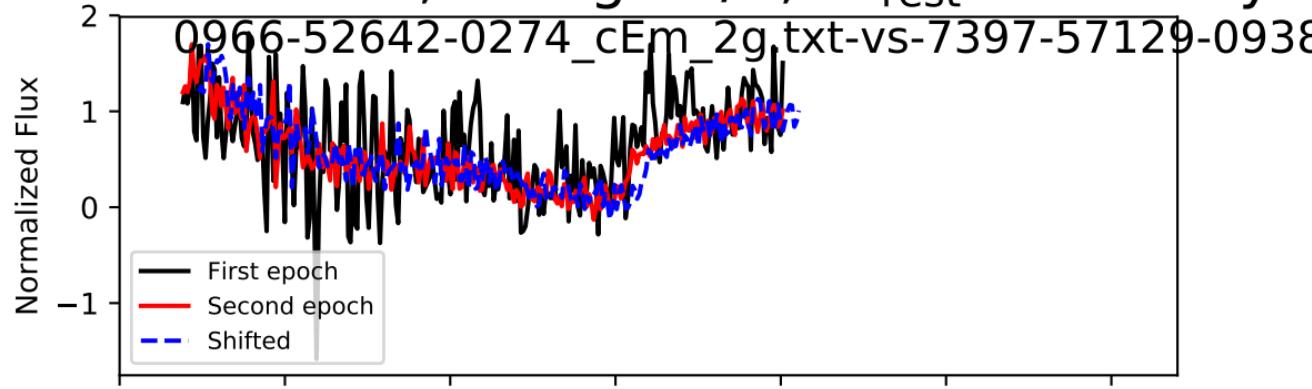


spectrum i = 102, Trough 1/2,  $\Delta t_{\text{rest}} = 3.630$  ye

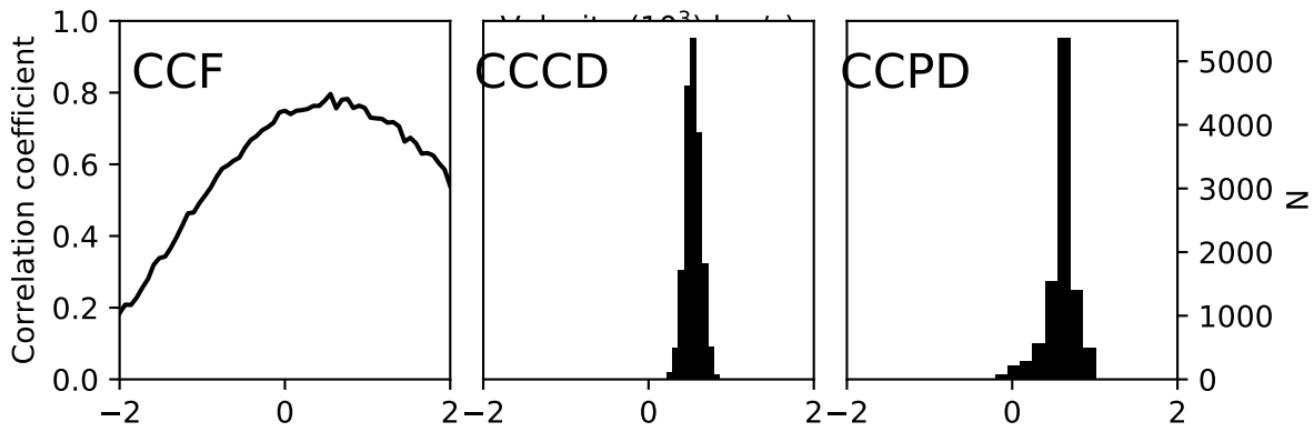
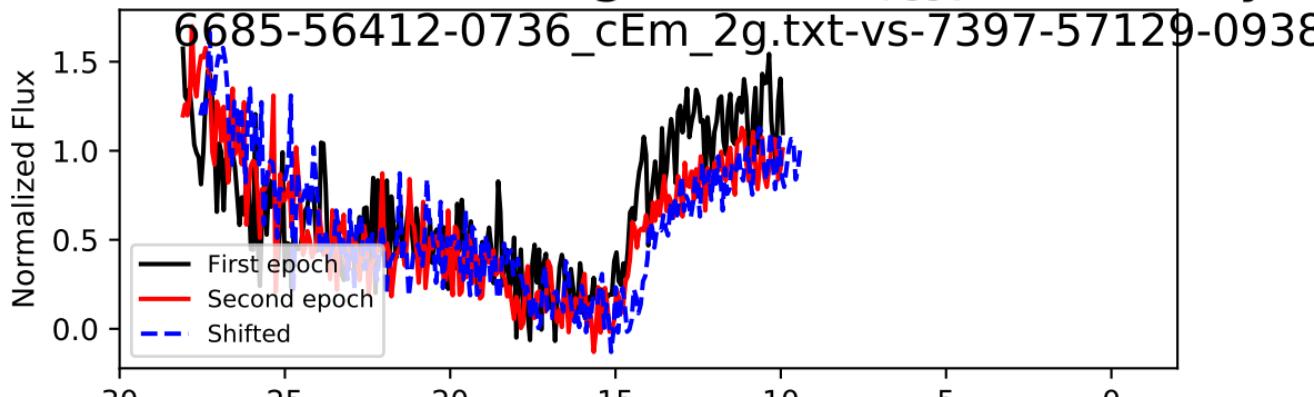


t: -92.5 + 680.8 - 118.5 km/s, Accel: -0.081+ 0.595 - 0.104 cr

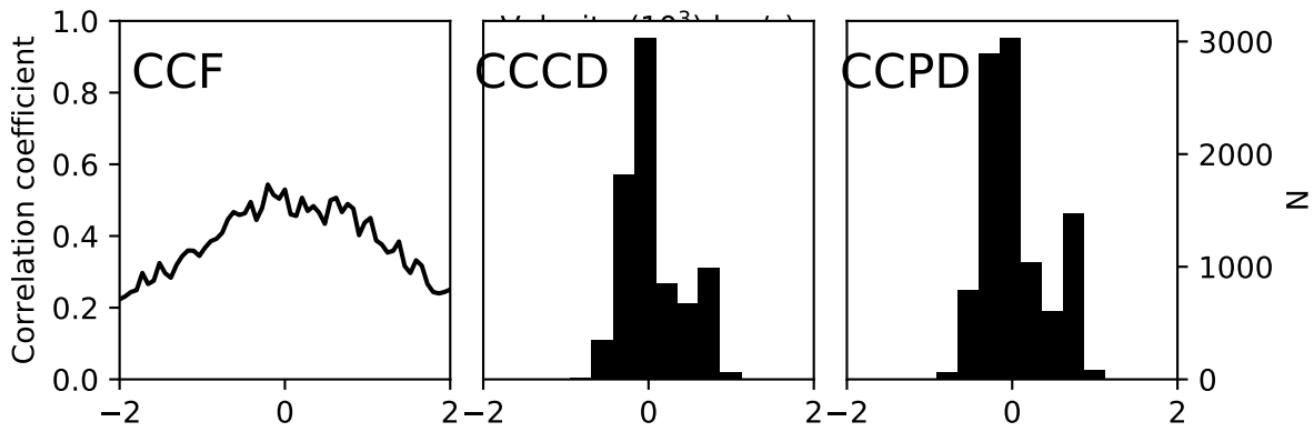
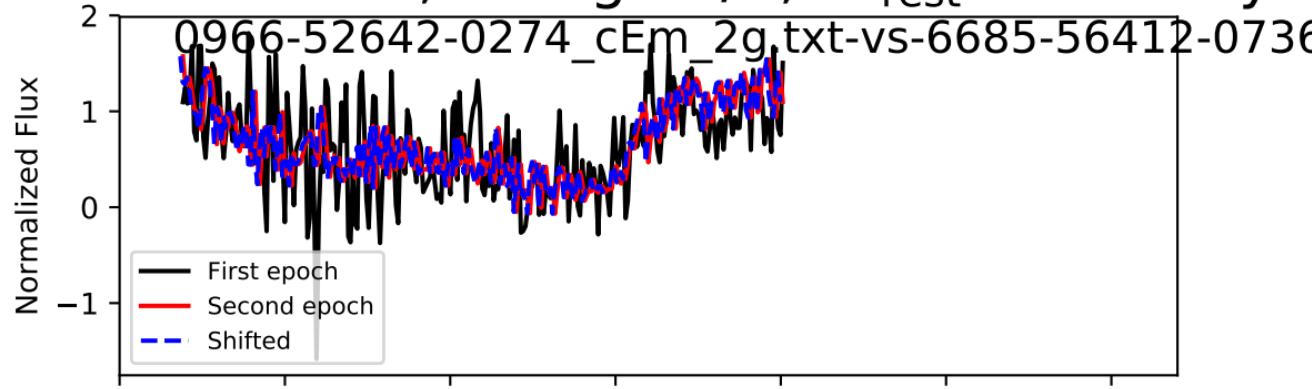
spectrum  $i = 102$ , Trough 1/2,  $\Delta t_{\text{rest}} = 4.320$  ye



spectrum i = 102, Trough 1/2,  $\Delta t_{\text{rest}} = 0.690$  ye

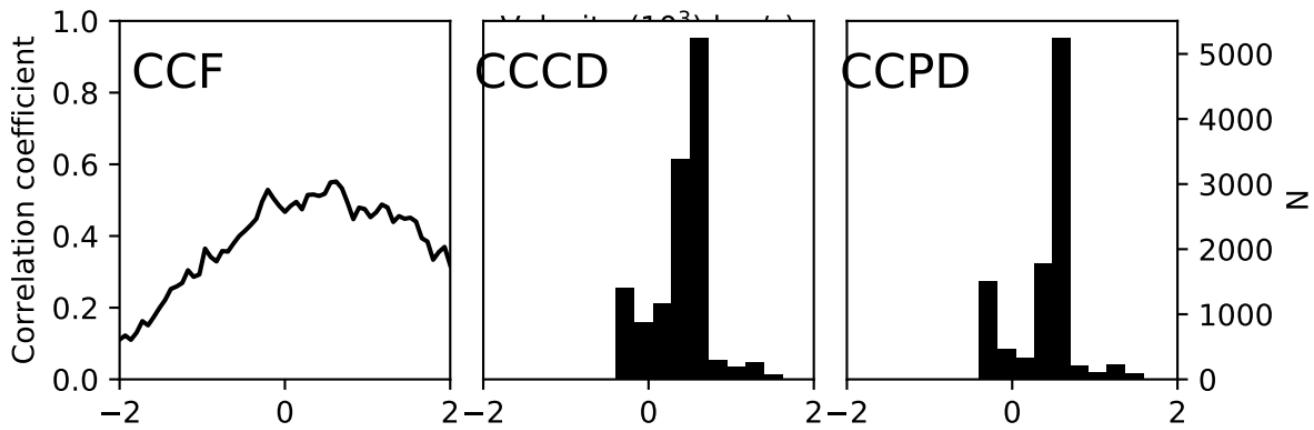
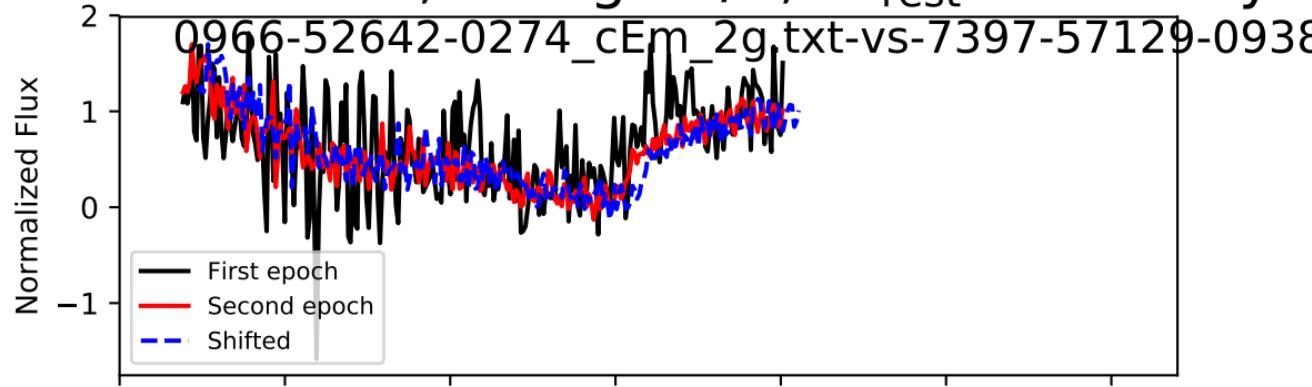


spectrum i = 102, Trough 2/2,  $\Delta t_{\text{rest}} = 3.630$  ye



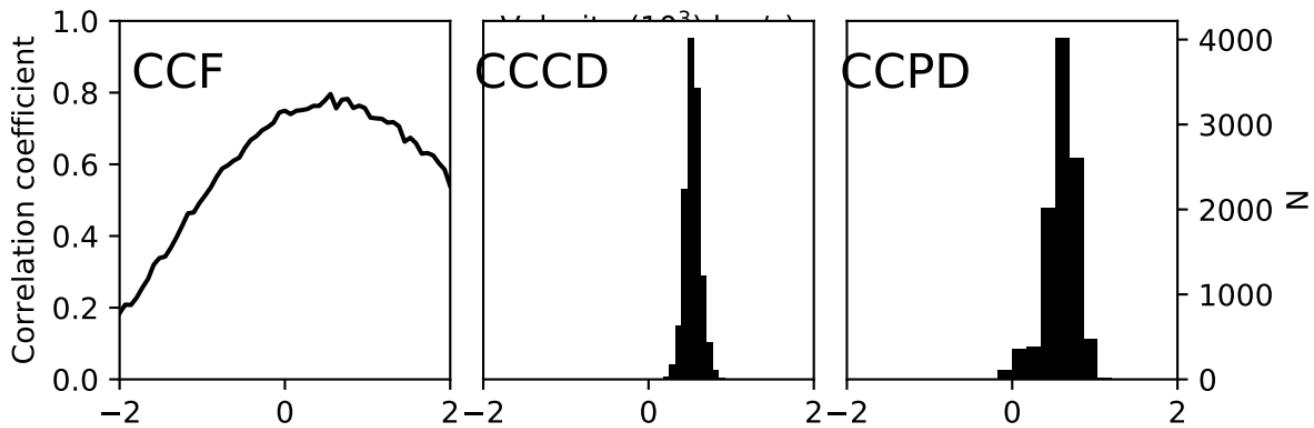
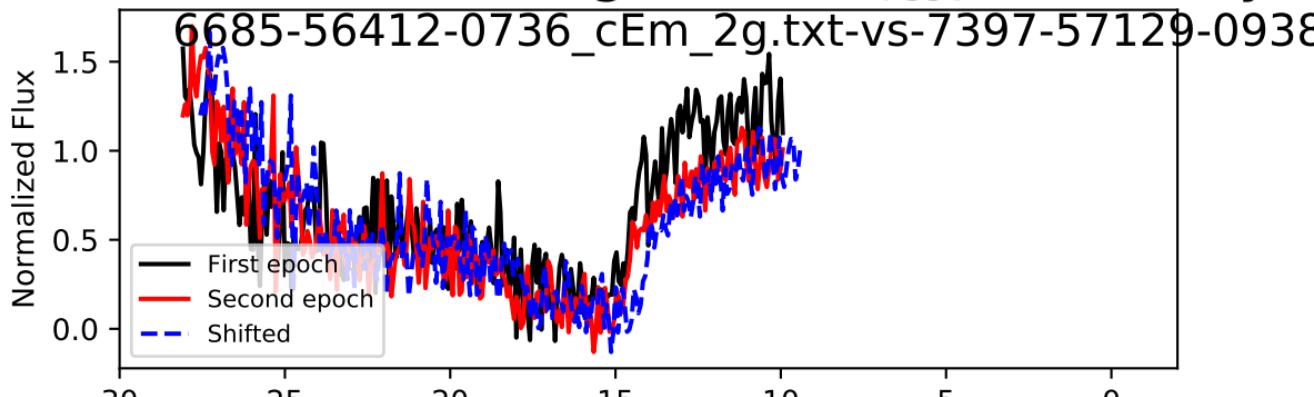
t:  $-76.8 + 662.5 - 135.2$  km/s, Accel:  $-0.067 + 0.579 - 0.118$  cm

spectrum  $i = 102$ , Trough 2/2,  $\Delta t_{\text{rest}} = 4.320$  ye

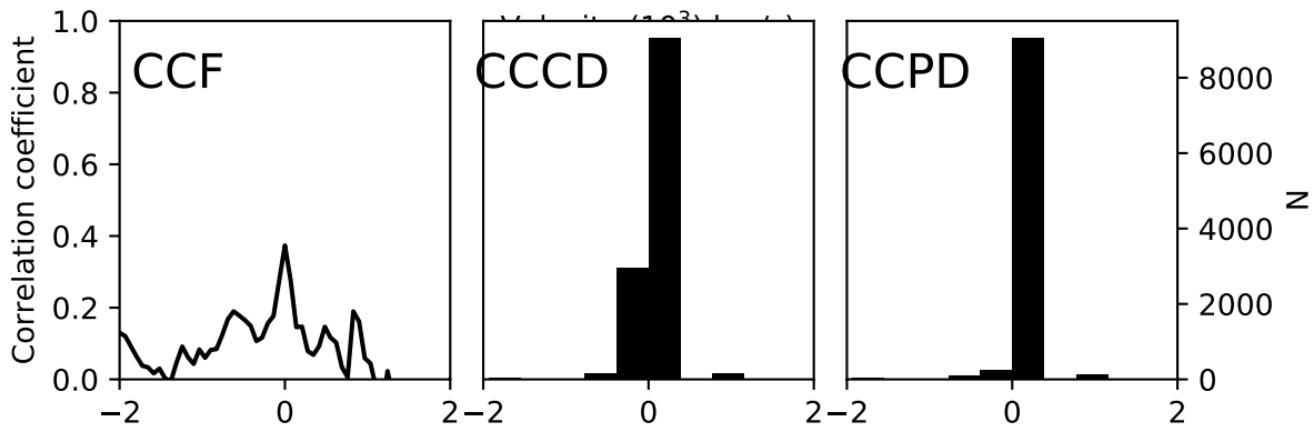
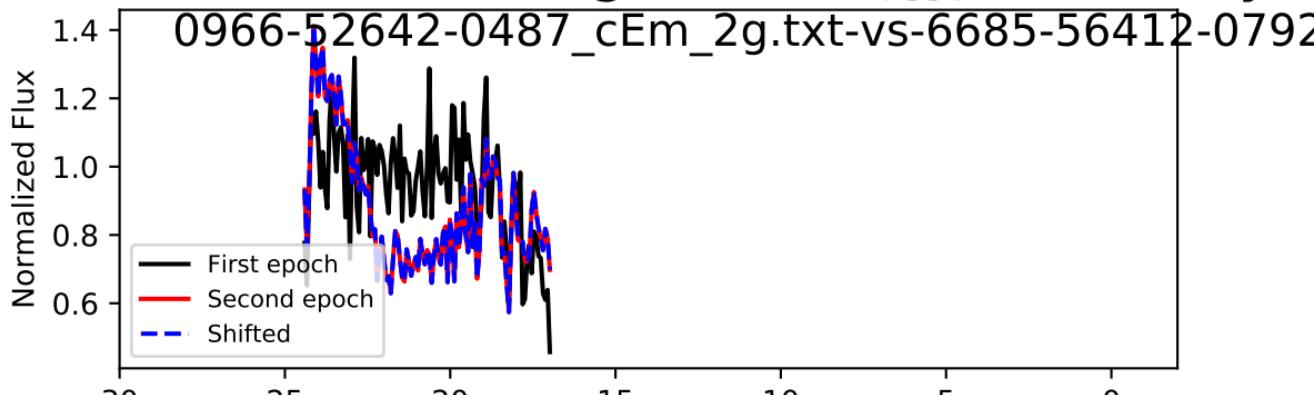


ft: 486.2 + 136.2 - 558.3 km/s, Accel: 0.357+ 0.100 - 0.410 cm

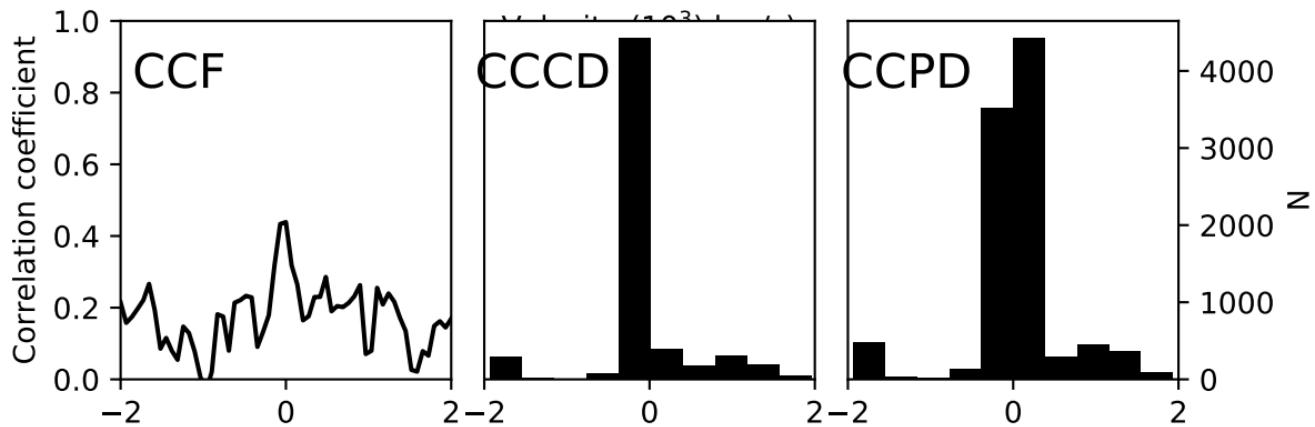
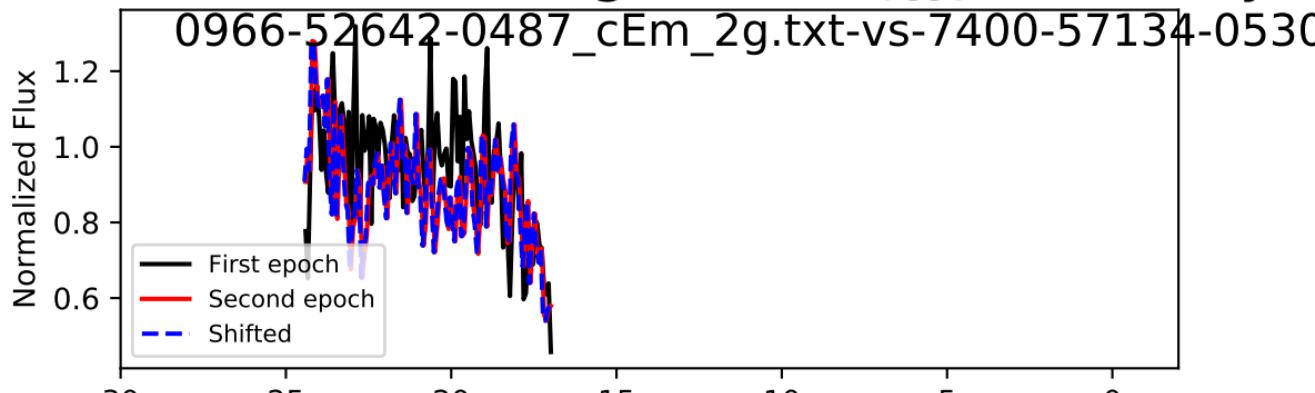
spectrum i = 102, Trough 2/2,  $\Delta t_{\text{rest}} = 0.690$  ye



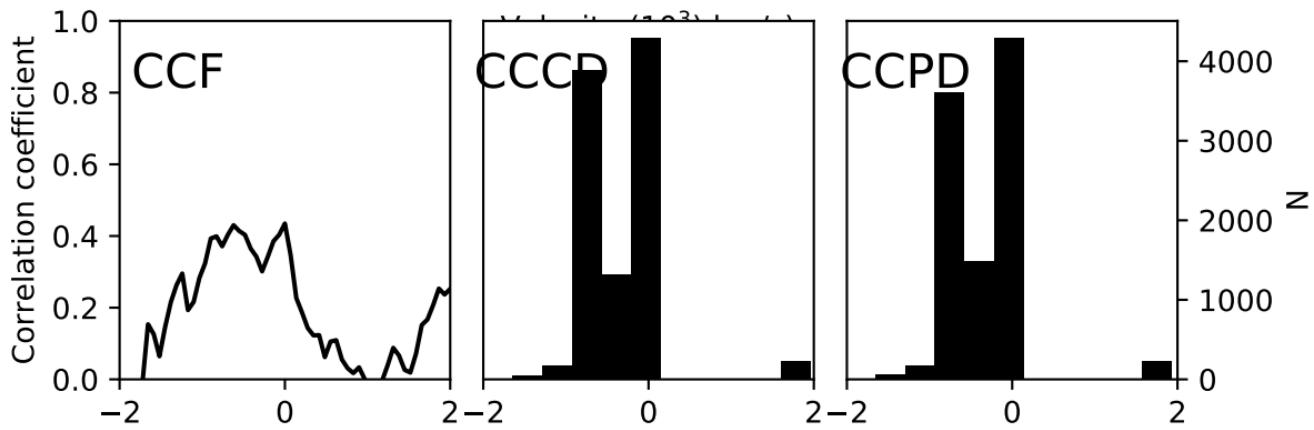
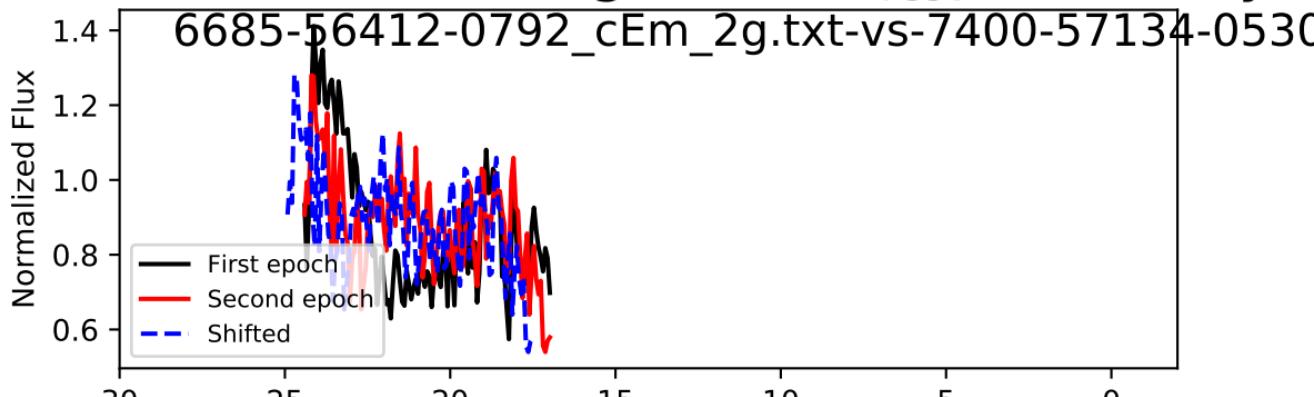
spectrum i = 103, Trough 0/2,  $\Delta t_{\text{rest}} = 3.346$  ye



spectrum i = 103, Trough 0/2,  $\Delta t_{\text{rest}} = 3.986$  ye

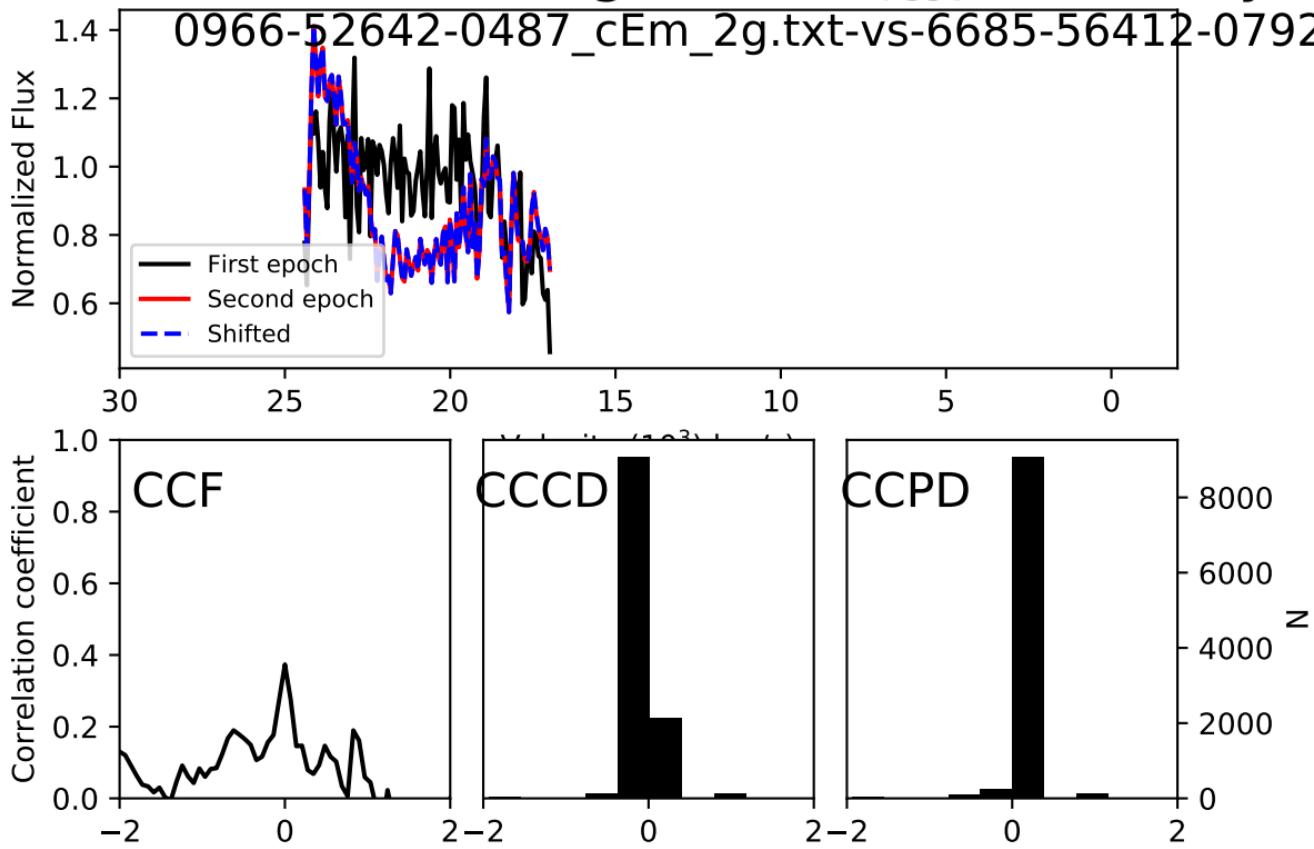


spectrum i = 103, Trough 0/2,  $\Delta t_{\text{rest}} = 0.641$  ye

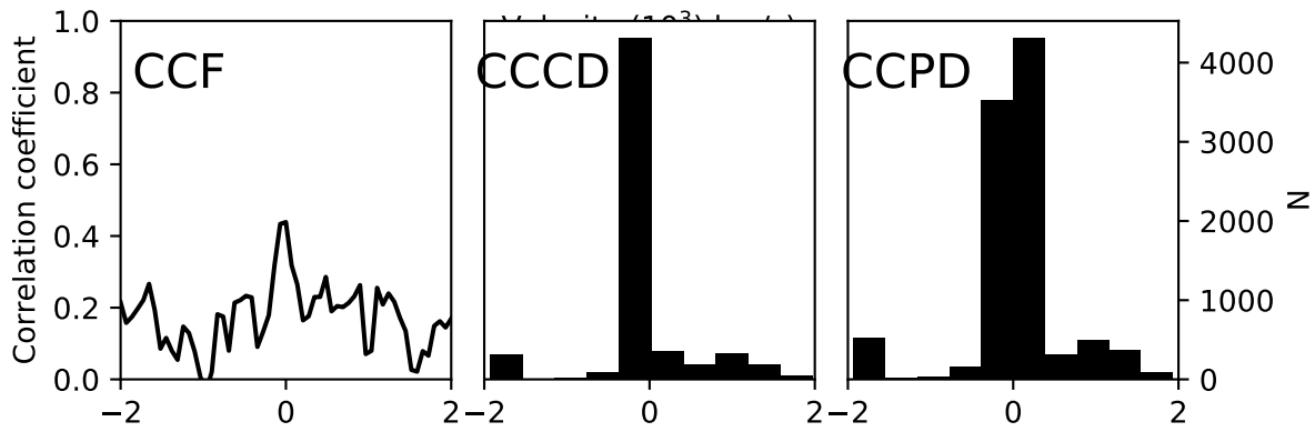
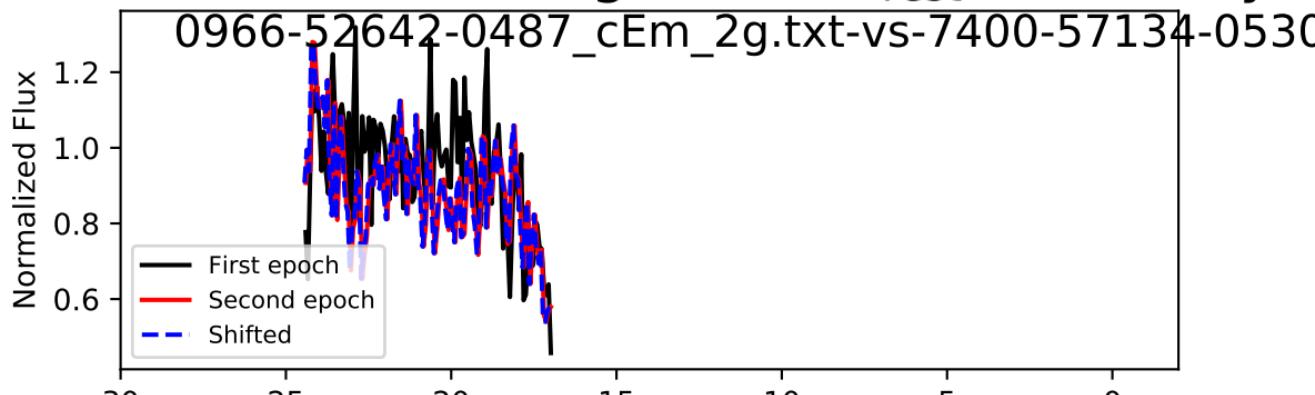


: -516.1 + 484.9 - 213.0 km/s, Accel: -2.554+ 2.400 - 1.054 c

spectrum i = 103, Trough 1/2,  $\Delta t_{\text{rest}} = 3.346$  ye

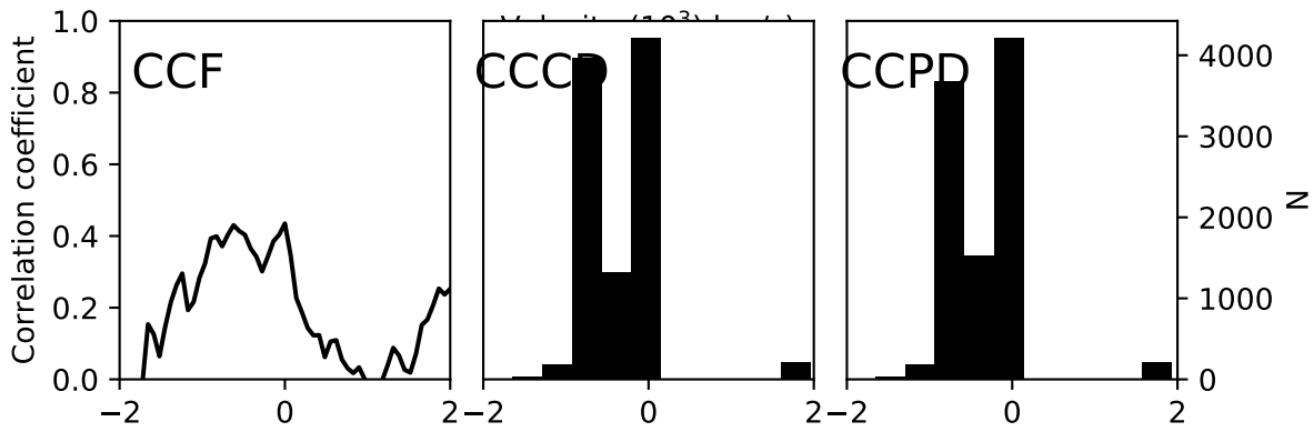
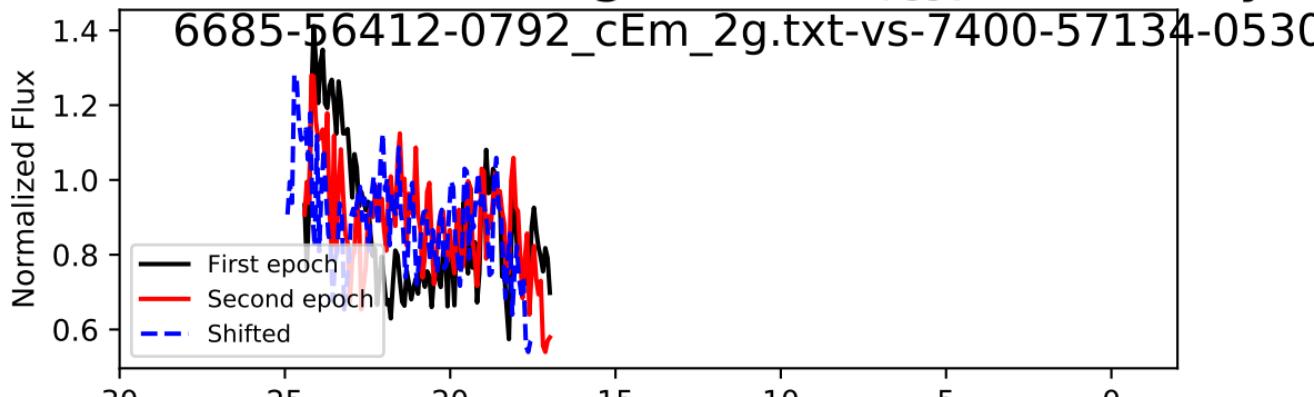


spectrum i = 103, Trough 1/2,  $\Delta t_{\text{rest}} = 3.986$  ye



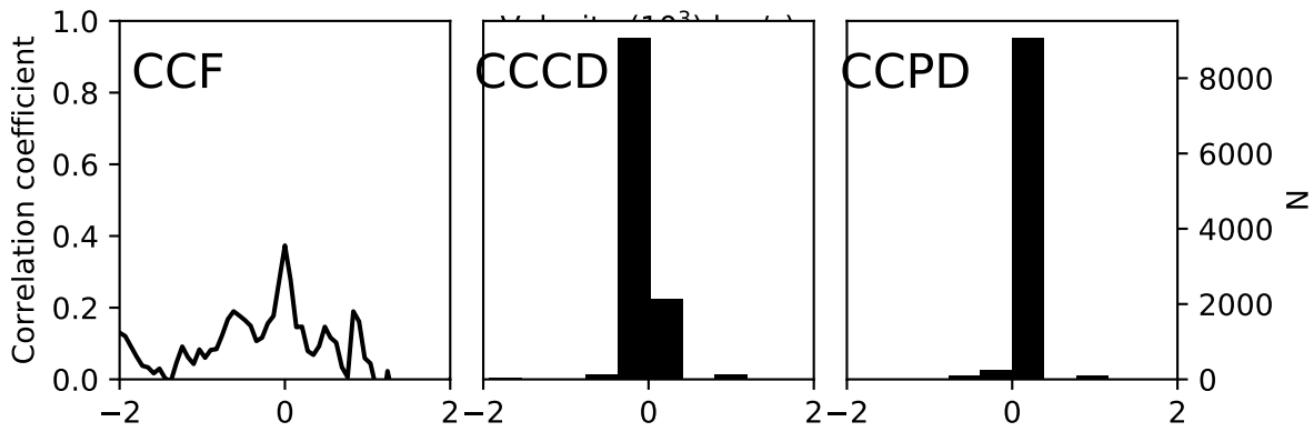
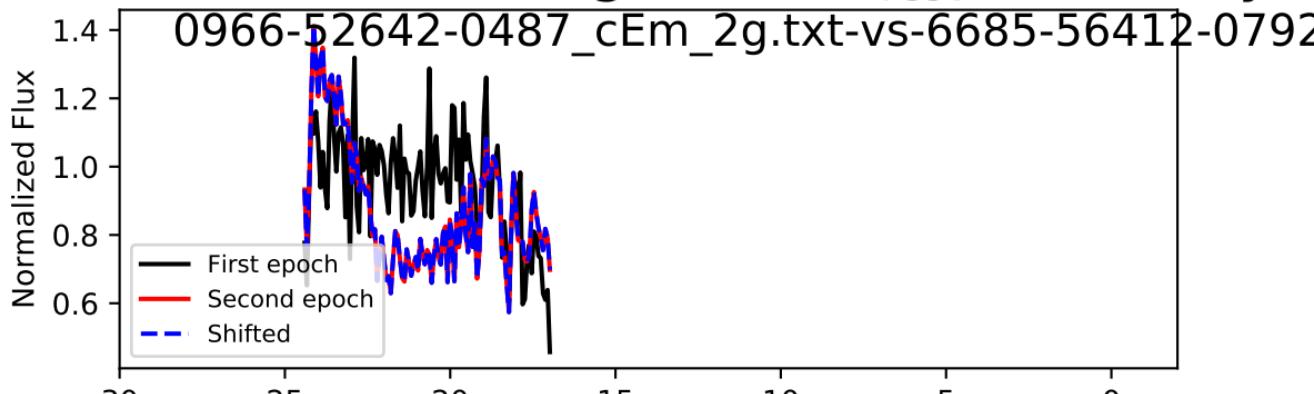
ft: -33.2 + 67.7 - 35.8 km/s, Accel: -0.026+ 0.054 - 0.028 cm

spectrum i = 103, Trough 1/2,  $\Delta t_{\text{rest}} = 0.641$  ye



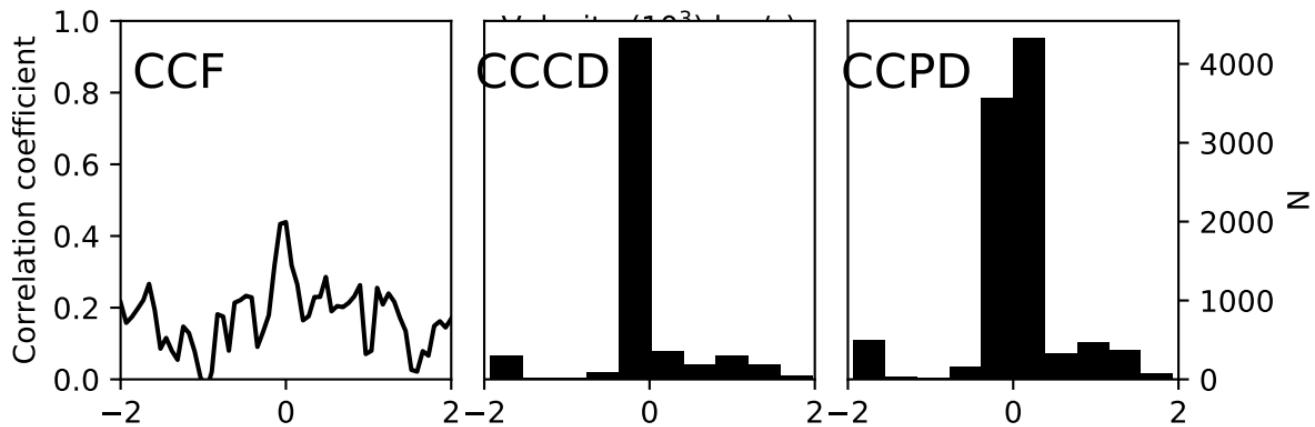
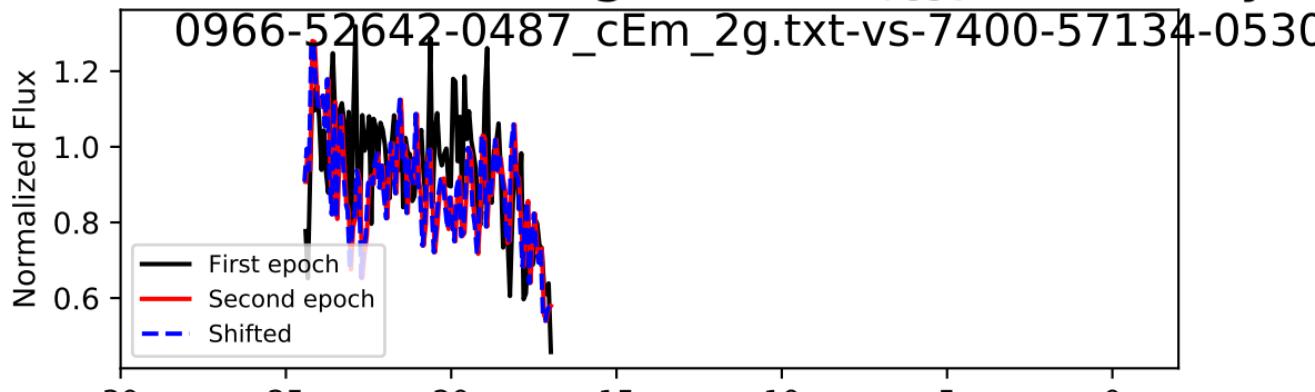
: -517.6 + 486.3 - 208.7 km/s, Accel: -2.562+ 2.407 - 1.033 c

spectrum i = 103, Trough 2/2,  $\Delta t_{\text{rest}} = 3.346$  ye



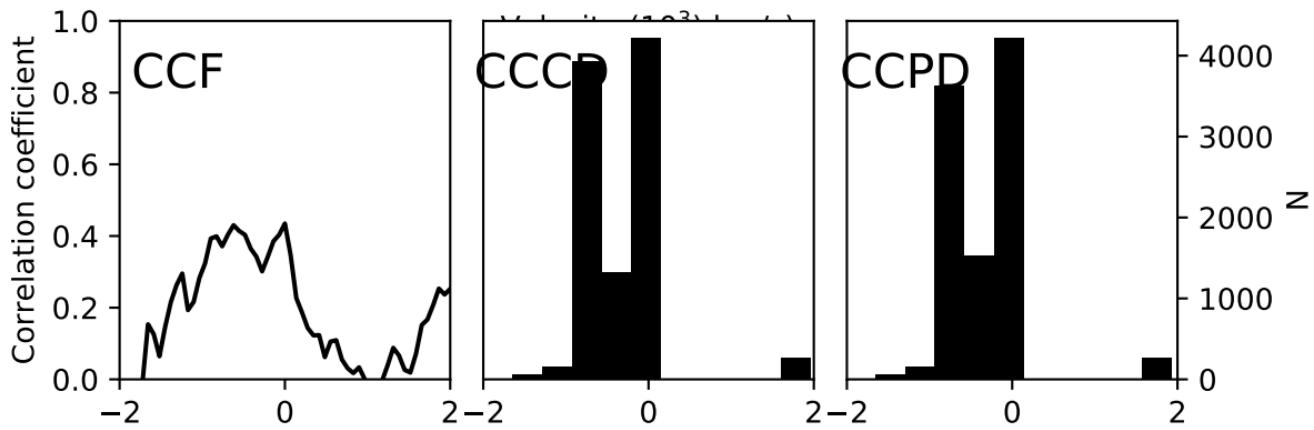
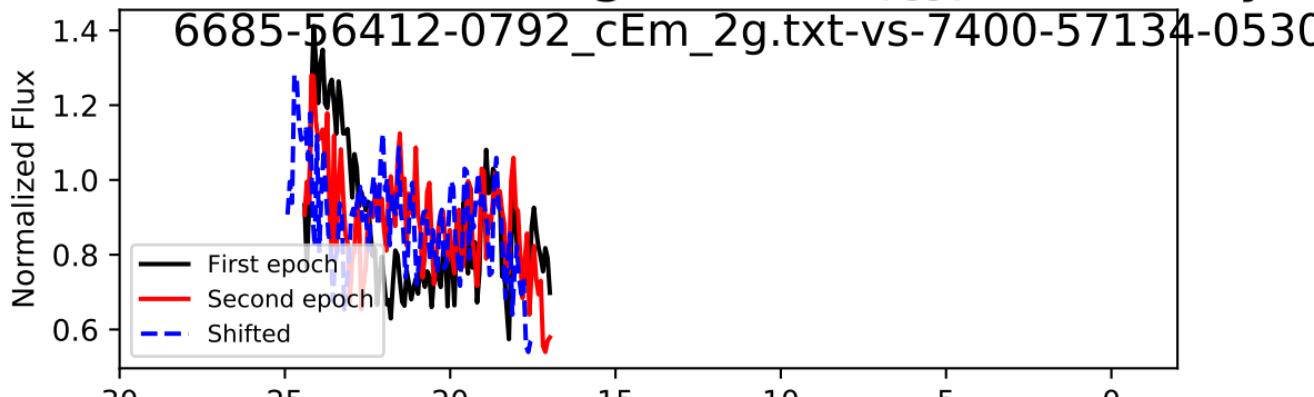
Shift: 0.0 + 31.2 - 31.4 km/s, Accel: 0.000+ 0.030 - 0.030 cm

spectrum i = 103, Trough 2/2,  $\Delta t_{\text{rest}} = 3.986$  ye



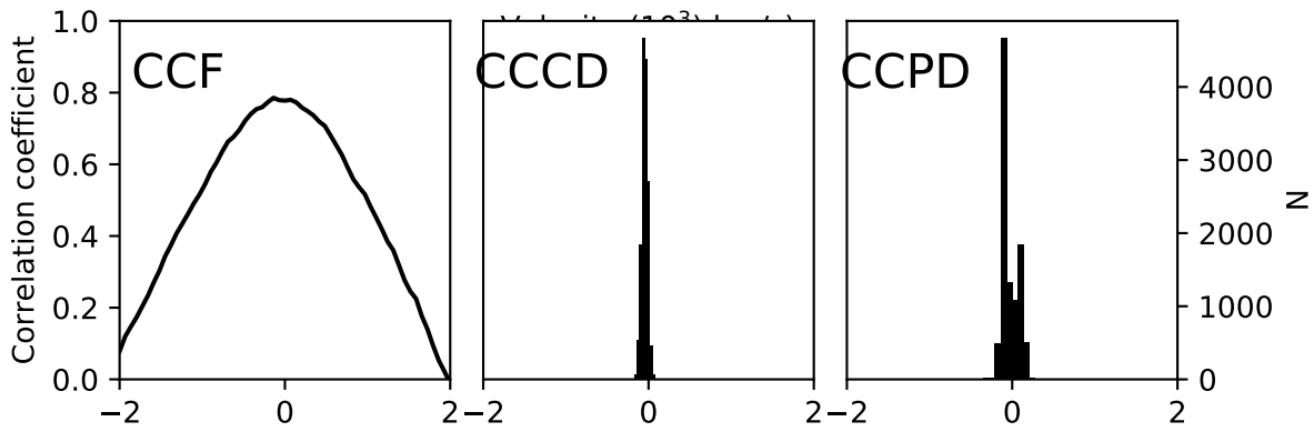
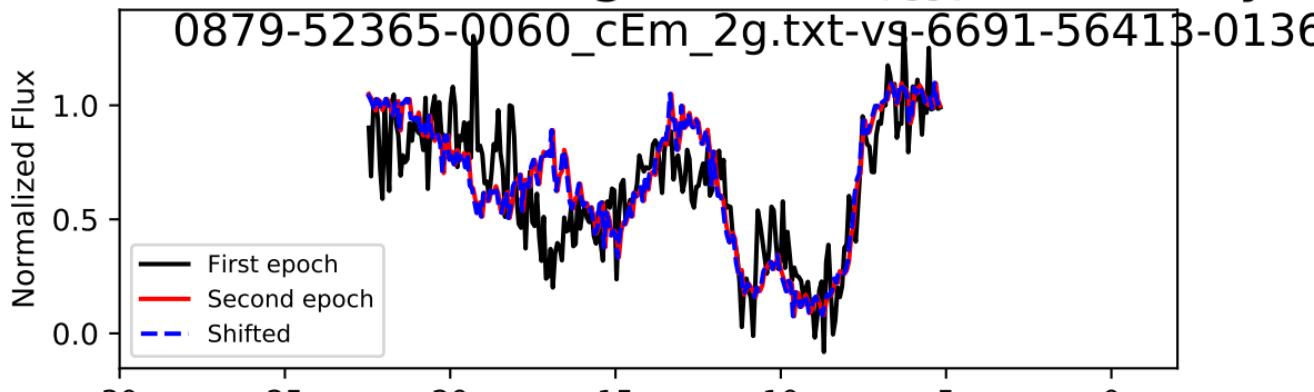
ft: -33.2 + 67.1 - 35.8 km/s, Accel: -0.026+ 0.053 - 0.028 cm

spectrum i = 103, Trough 2/2,  $\Delta t_{\text{rest}} = 0.641$  ye



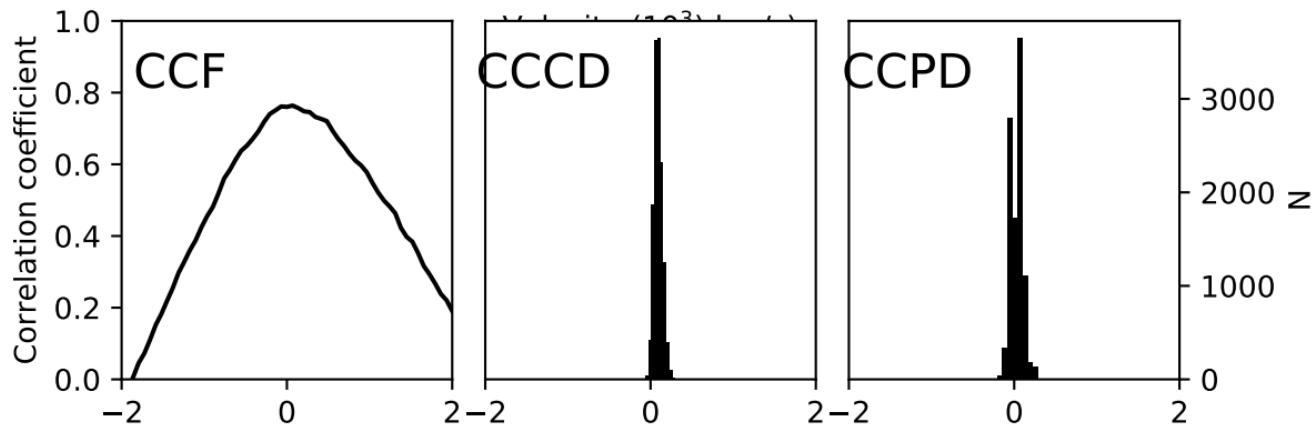
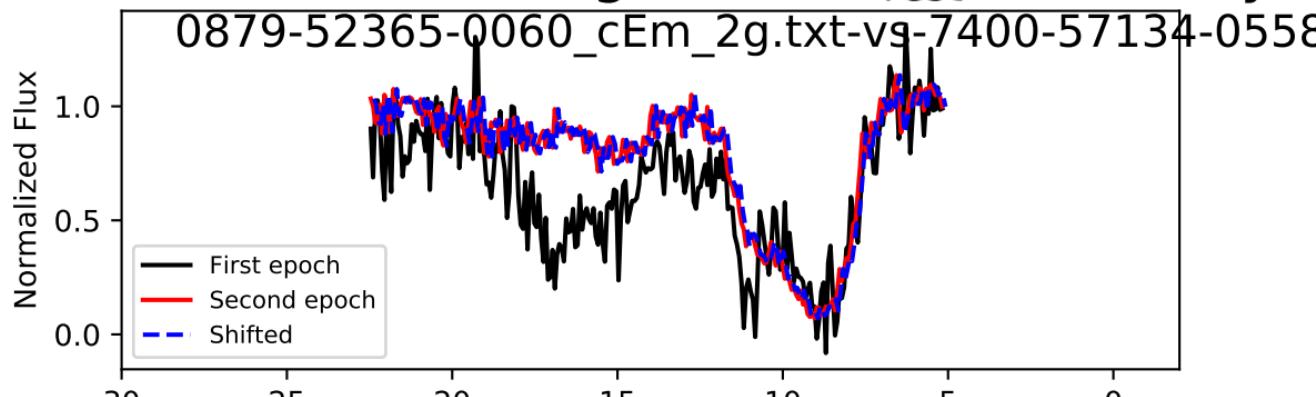
: -516.2 + 485.0 - 210.0 km/s, Accel: -2.555+ 2.400 - 1.039 c

spectrum  $i = 104$ , Trough 0/0,  $\Delta t_{\text{rest}} = 3.695$  ye



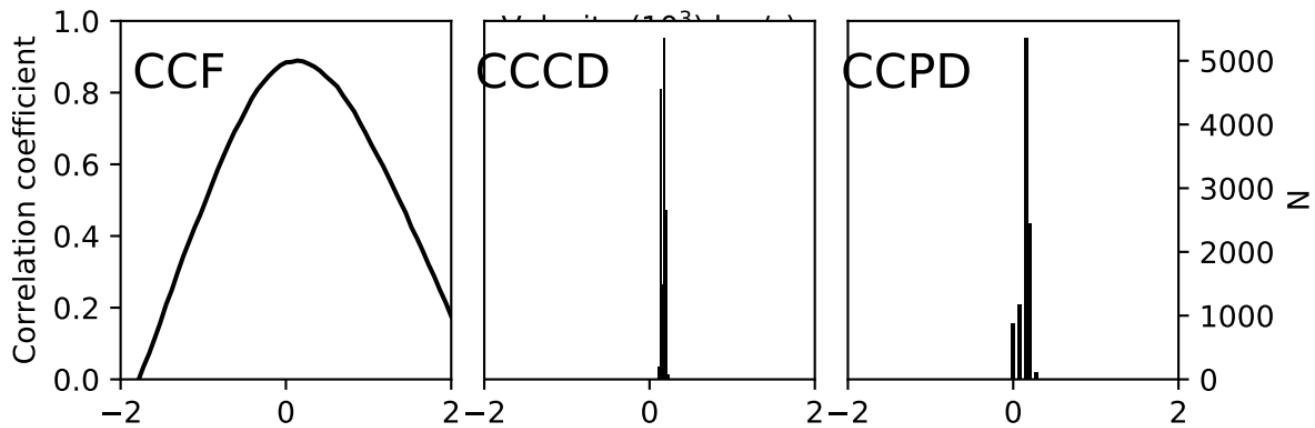
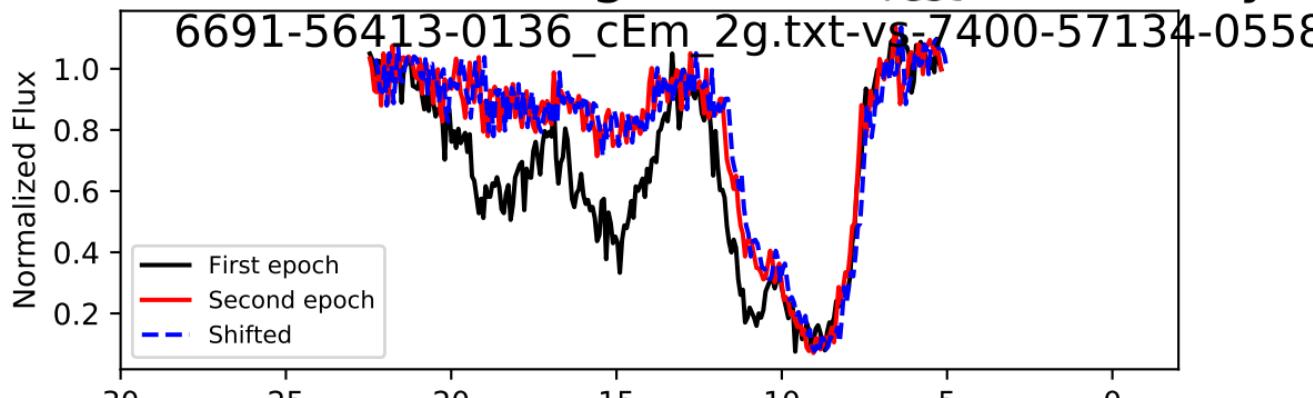
ft:  $-37.8 + 36.6 - 59.6$  km/s, Accel:  $-0.032 + 0.031 - 0.051$  cm

Spectrum i = 104, Trough 0/0,  $\Delta t_{\text{rest}} = 4.353$  ye

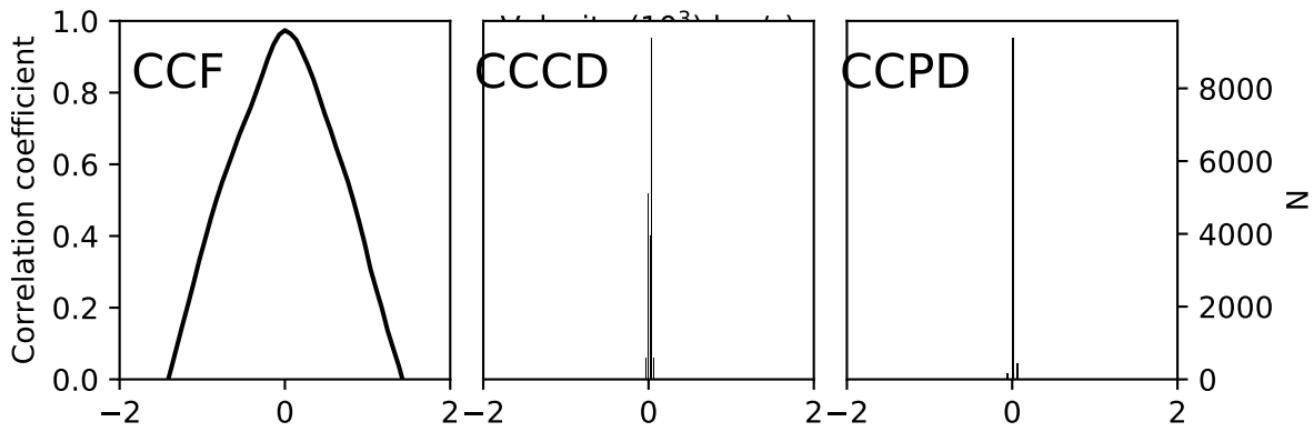
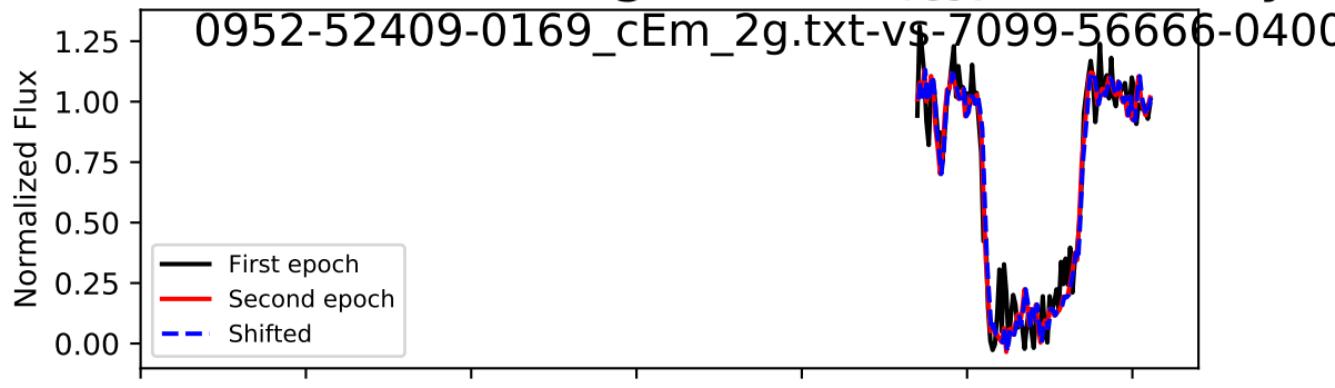


ft: 101.0 + 36.5 - 61.1 km/s, Accel: 0.074+ 0.027 - 0.045 cm

Spectrum  $i = 104$ , Trough 0/0,  $\Delta t_{\text{rest}} = 0.658$  years

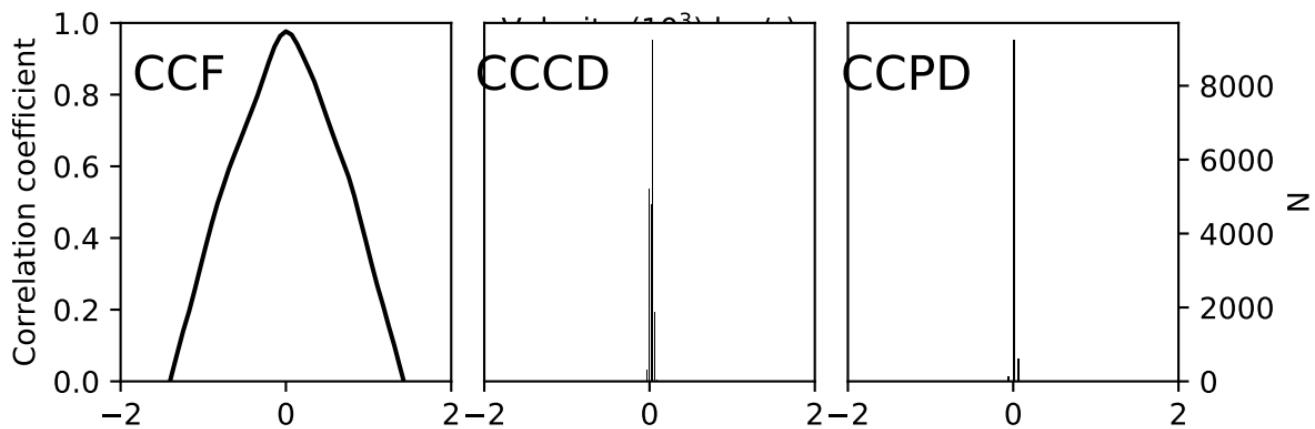
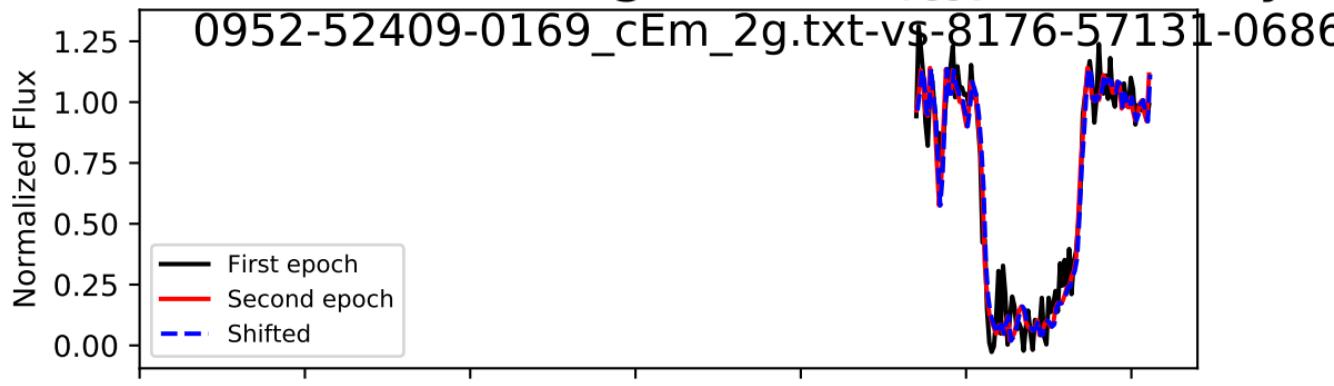


spectrum i = 105, Trough 0/0,  $\Delta t_{\text{rest}} = 3.576$  ye



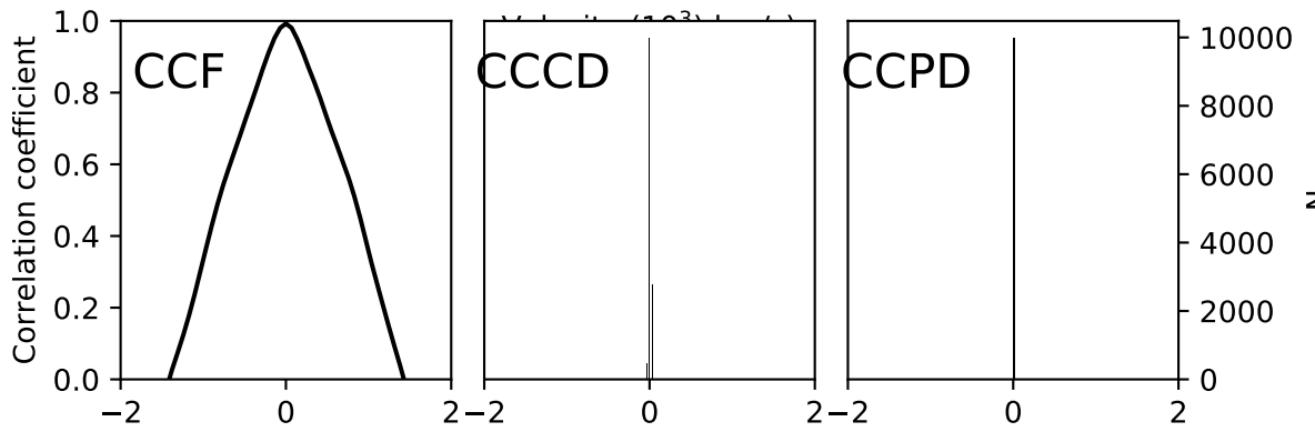
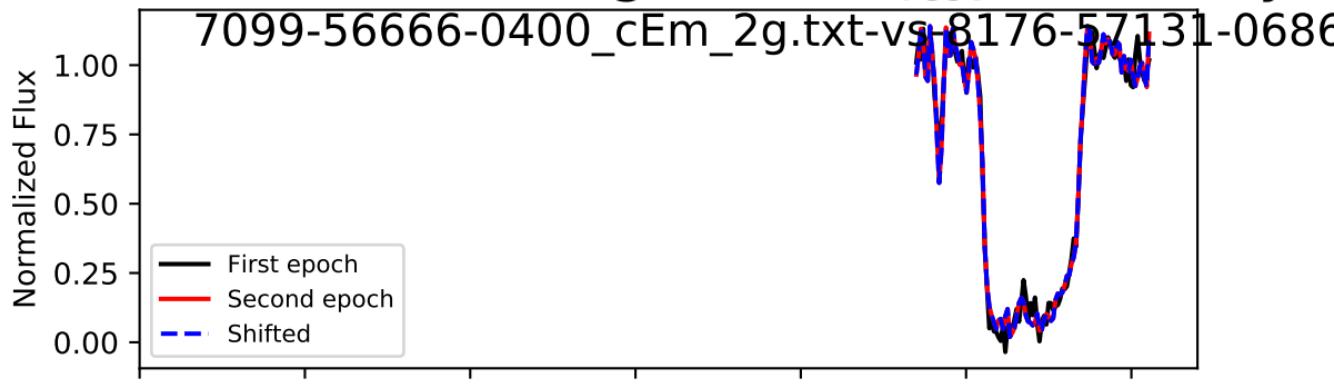
Shift: 32.7 + 2.0 - 31.4 km/s, Accel: 0.029+ 0.002 - 0.028 cm

spectrum i = 105, Trough 0/0,  $\Delta t_{\text{rest}} = 3.966$  ye



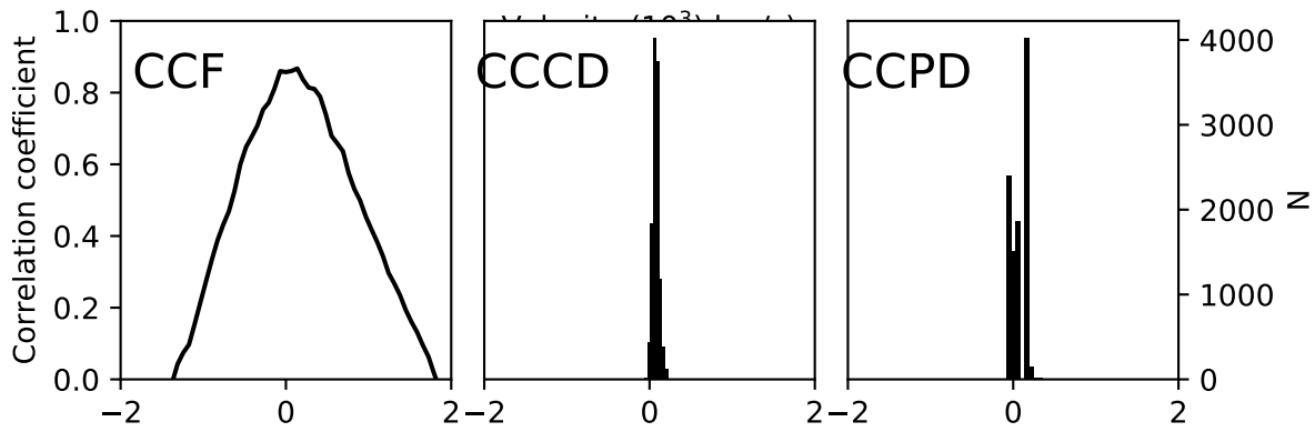
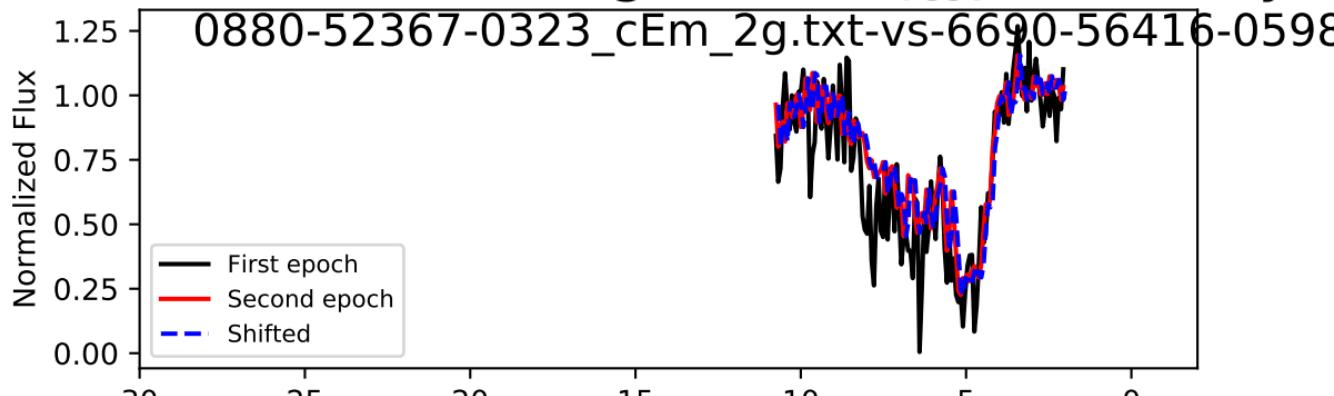
Shift: 32.8 + 2.1 - 31.4 km/s, Accel: 0.026+ 0.002 - 0.025 cm

spectrum i = 105, Trough 0/0,  $\Delta t_{\text{rest}} = 0.391$  ye

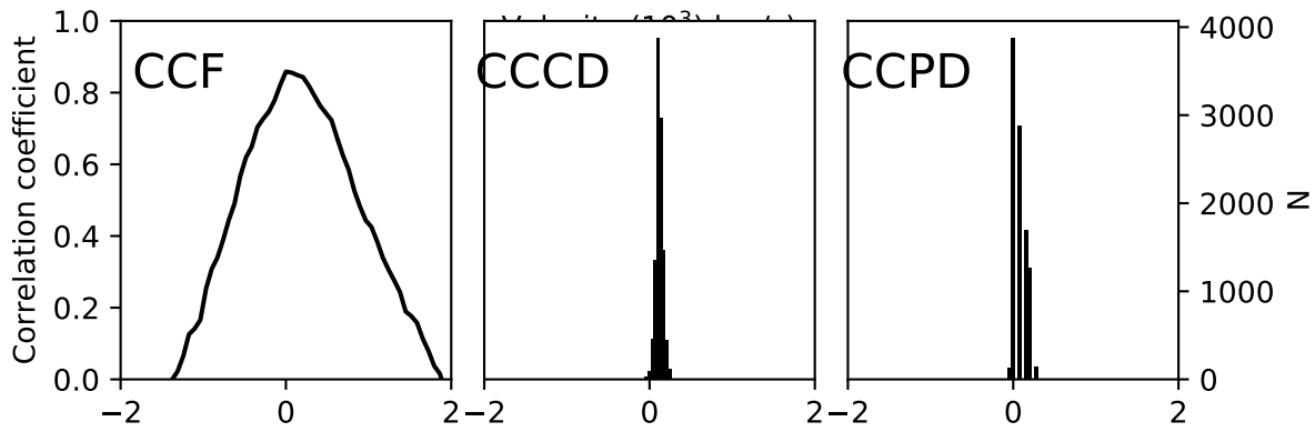
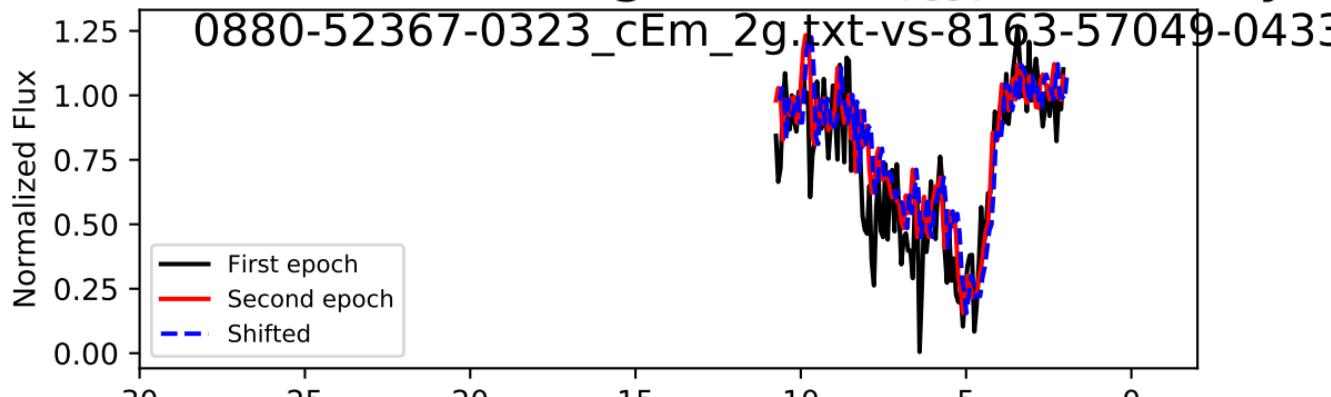


shift: 0.3 + 30.6 - 1.3 km/s, Accel: 0.002+ 0.248 - 0.011 cm

spectrum i = 106, Trough 0/0,  $\Delta t_{\text{rest}} = 4.013$  ye

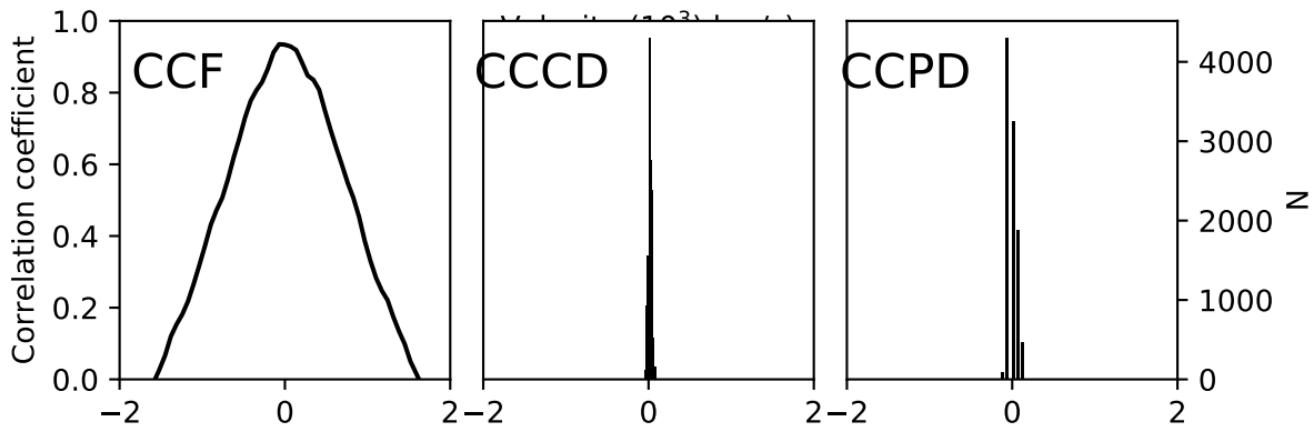
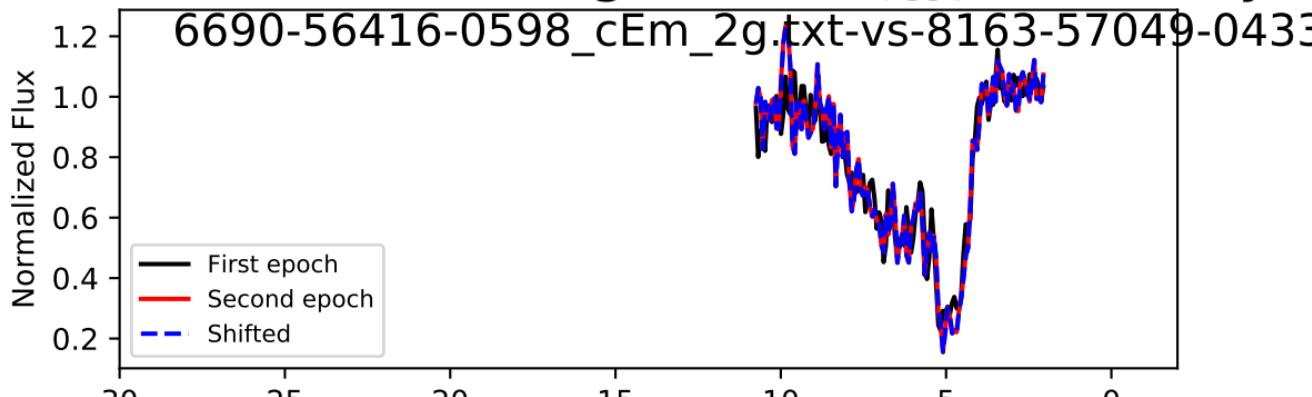


spectrum i = 106, Trough 0/0,  $\Delta t_{\text{rest}} = 4.640$  ye

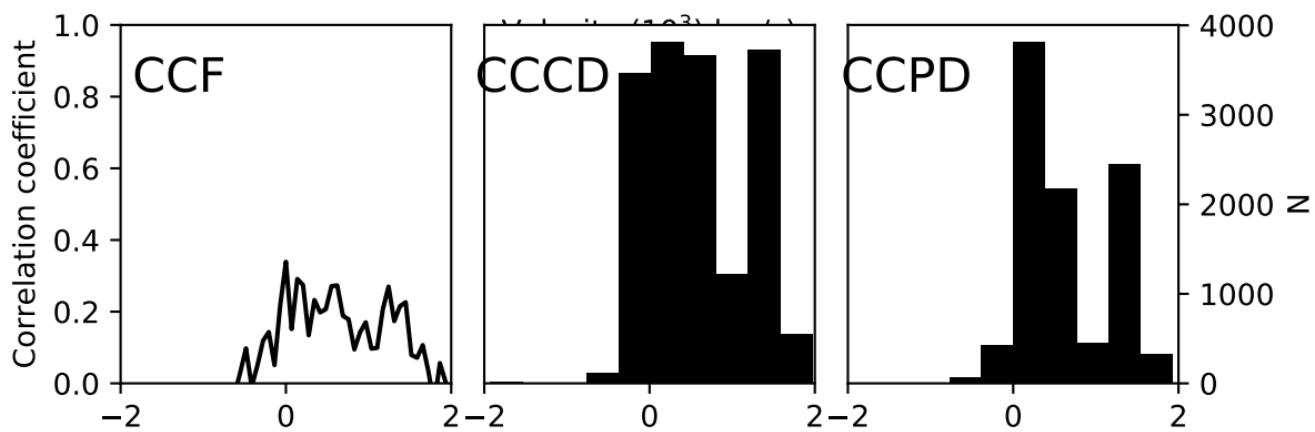
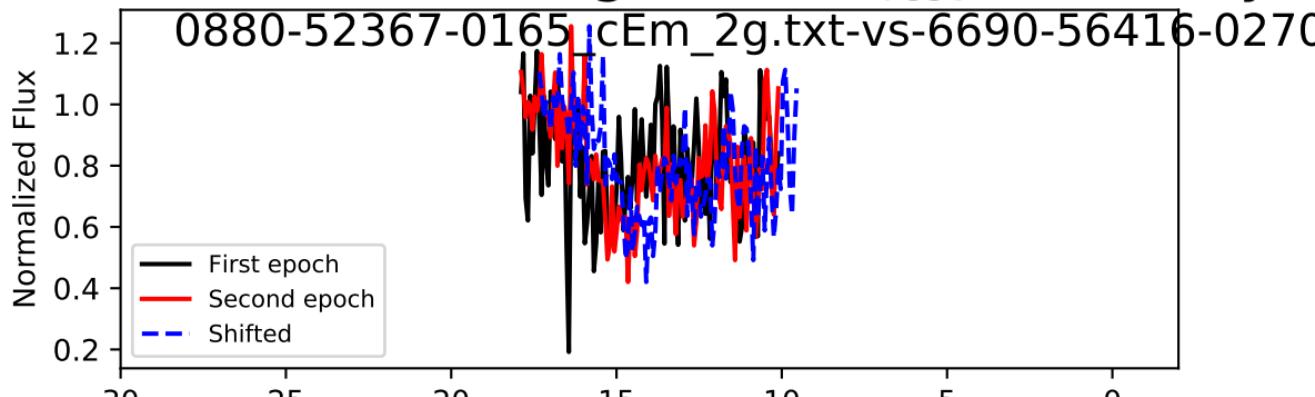


ft: 107.6 + 60.7 - 34.7 km/s, Accel: 0.074+ 0.041 - 0.024 cm

spectrum  $i = 106$ , Trough 0/0,  $\Delta t_{\text{rest}} = 0.627$  ye

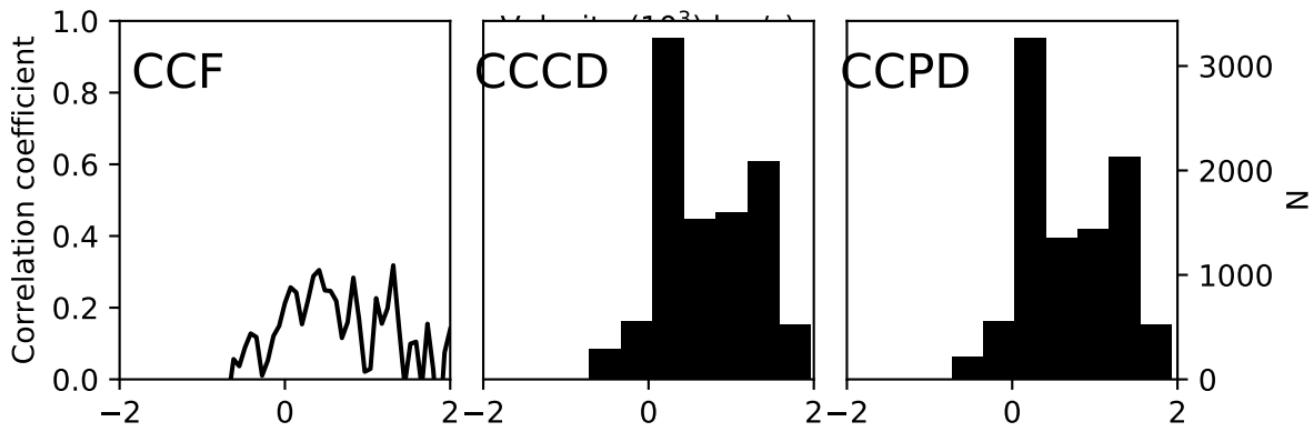
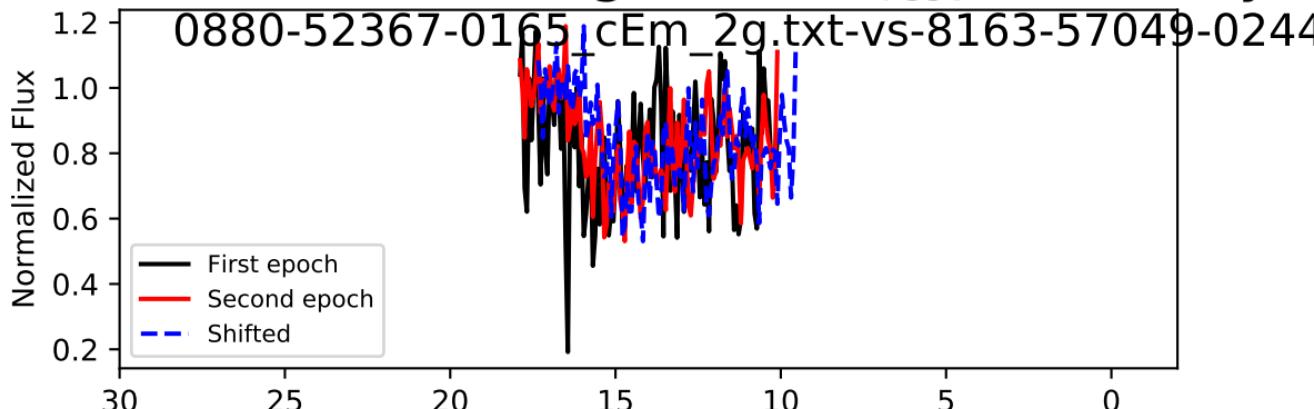


spectrum i = 107, Trough 0/1,  $\Delta t_{\text{rest}} = 2.859$  ye



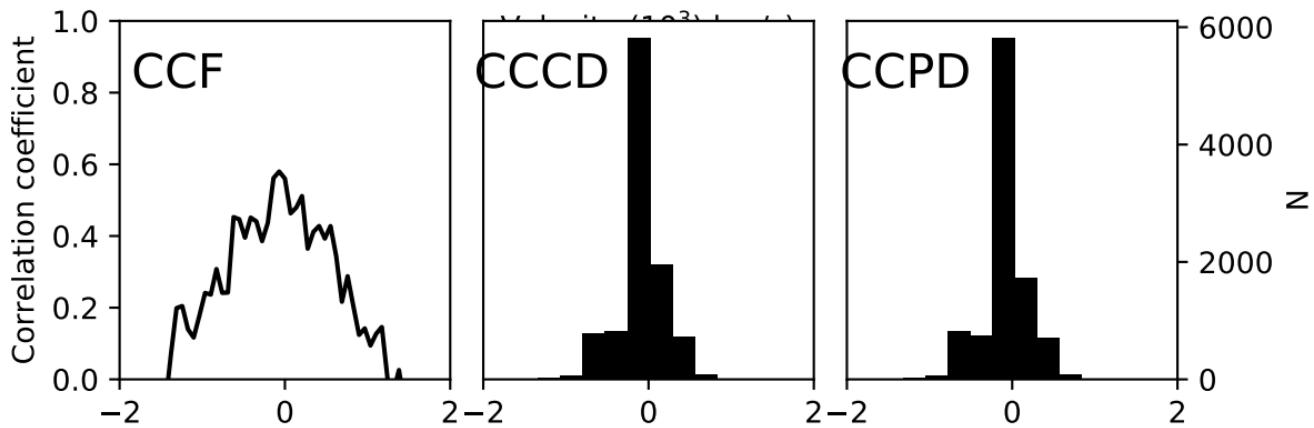
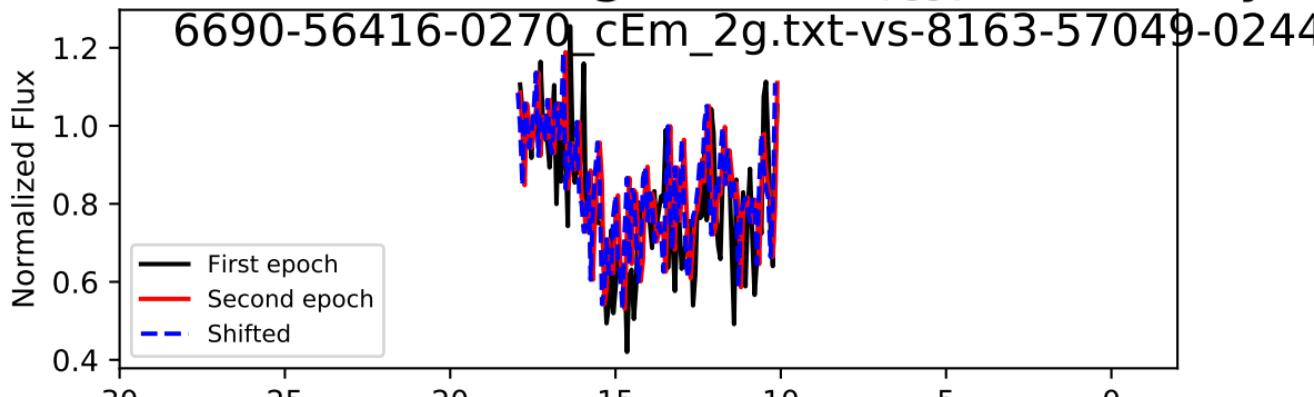
ft: 552.0 + 726.8 - 552.0 km/s, Accel: 0.612+ 0.806 - 0.612 cr

spectrum i = 107, Trough 0/1,  $\Delta t_{\text{rest}} = 3.306$  ye



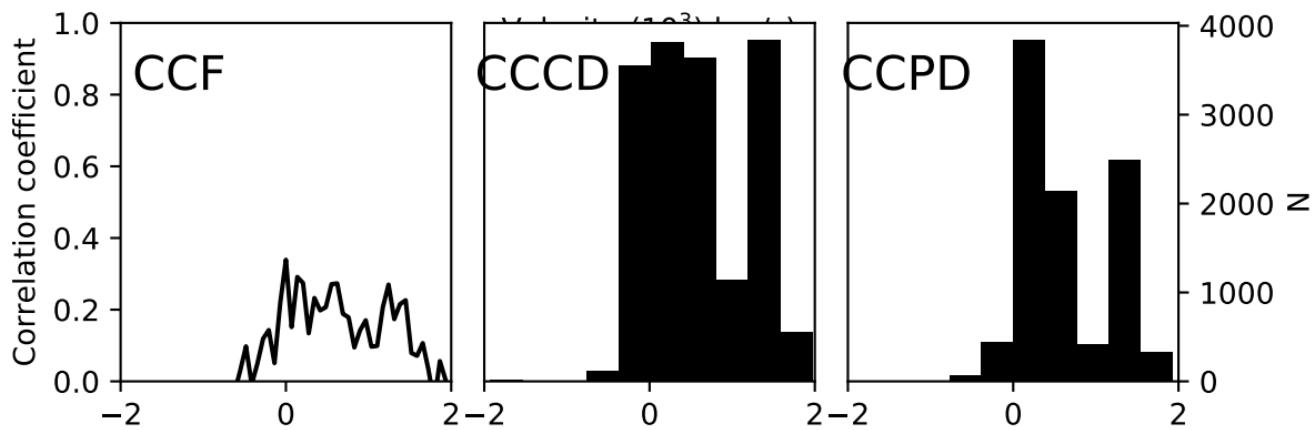
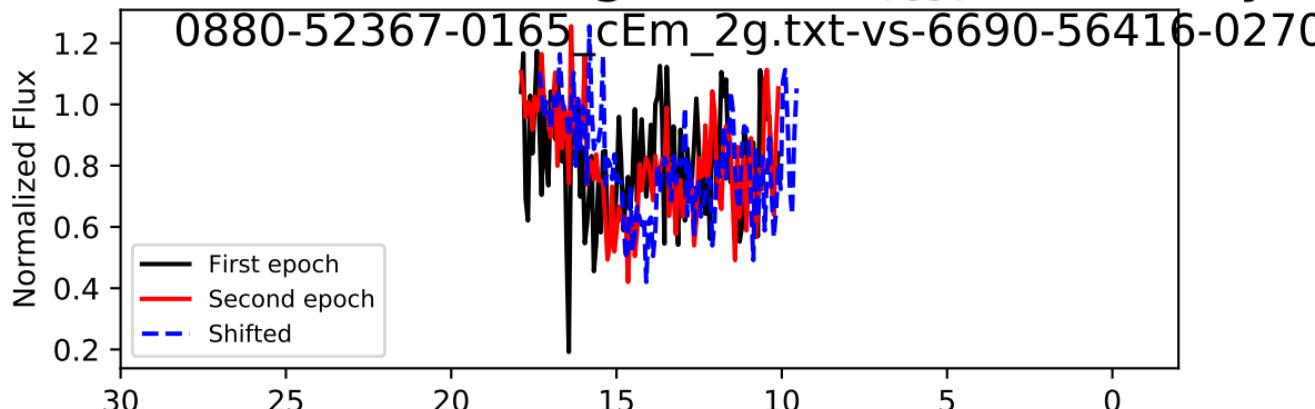
ft: 552.0 + 759.0 - 414.0 km/s, Accel: 0.529+ 0.728 - 0.397 cr

spectrum  $i = 107$ , Trough 0/1,  $\Delta t_{\text{rest}} = 0.447$  ye



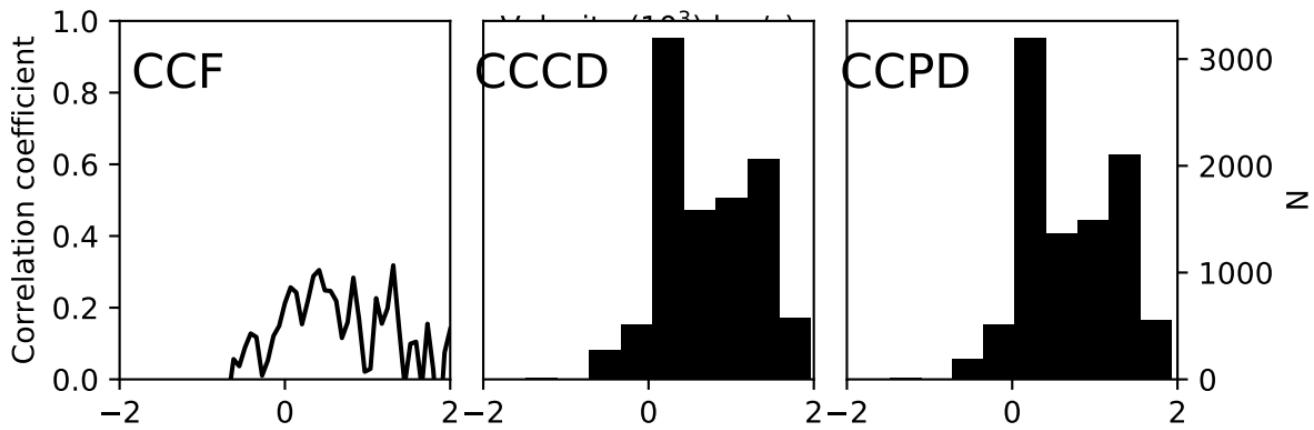
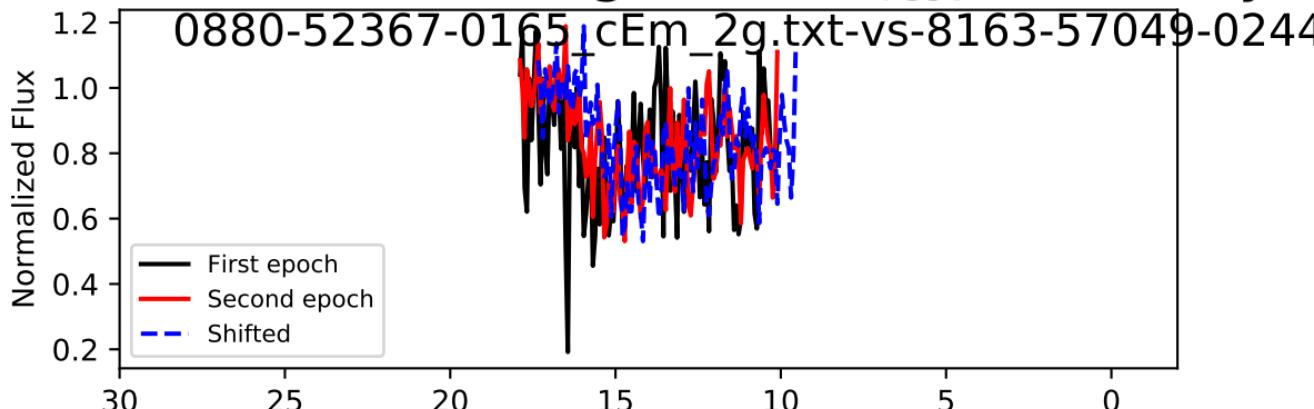
t:  $-68.1 + 241.4 - 261.0$  km/s, Accel:  $-0.483 + 1.712 - 1.851$  cm/s<sup>2</sup>

spectrum i = 107, Trough 1/1,  $\Delta t_{\text{rest}} = 2.859$  ye



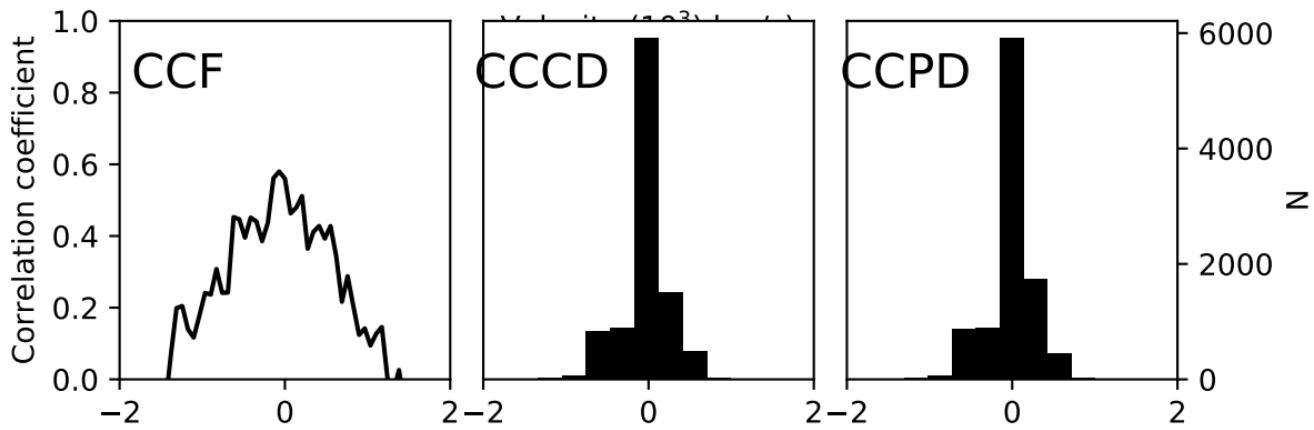
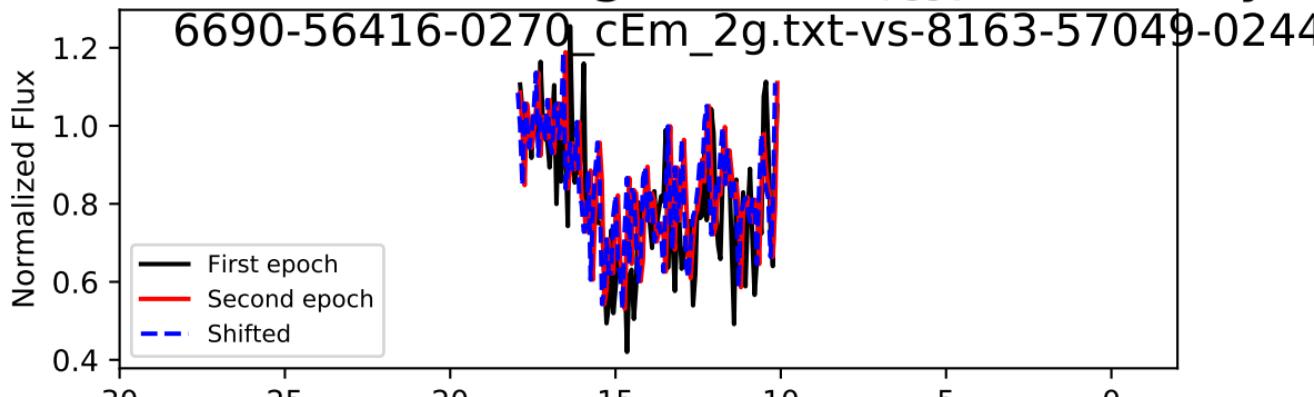
ft: 552.0 + 759.0 - 552.0 km/s, Accel: 0.612+ 0.842 - 0.612 cm

spectrum i = 107, Trough 1/1,  $\Delta t_{\text{rest}} = 3.306$  ye



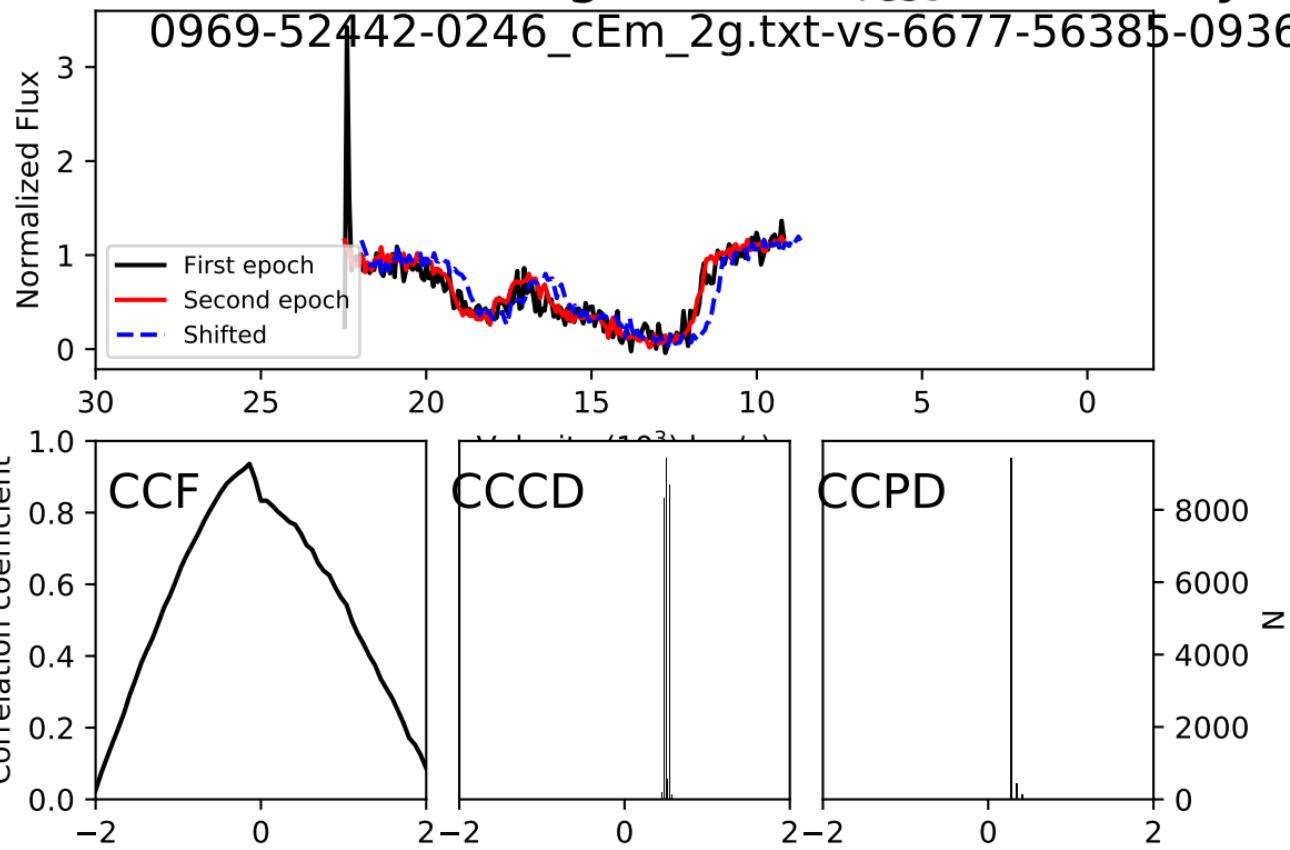
ft: 552.0 + 759.0 - 414.0 km/s, Accel: 0.529+ 0.728 - 0.397 cr

spectrum  $i = 107$ , Trough 1/1,  $\Delta t_{\text{rest}} = 0.447$  ye

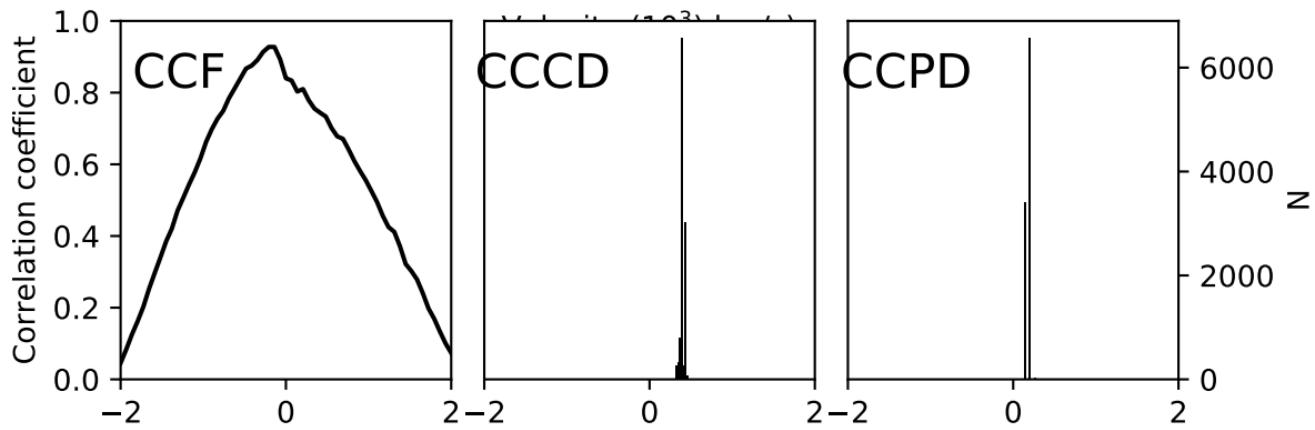
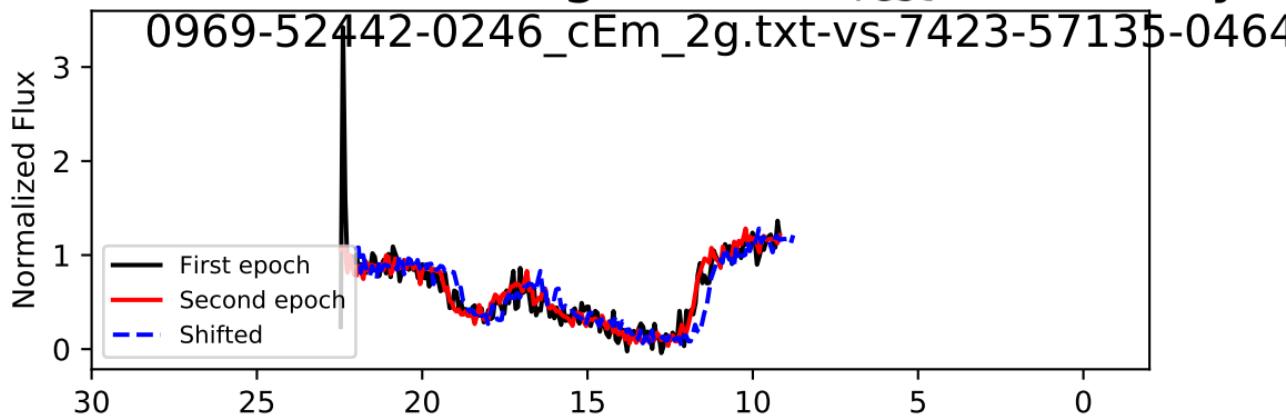


t:  $-68.3 + 244.3 - 243.6$  km/s, Accel:  $-0.484 + 1.733 - 1.728$  cm/s<sup>2</sup>

spectrum  $i = 110$ , Trough 0/0,  $\Delta t_{\text{rest}} = 2.783$  ye

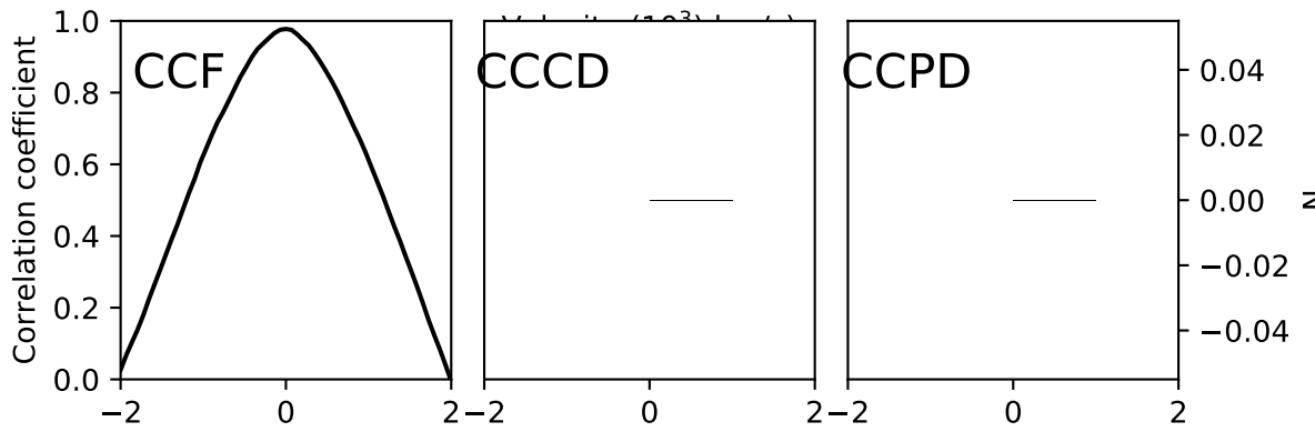
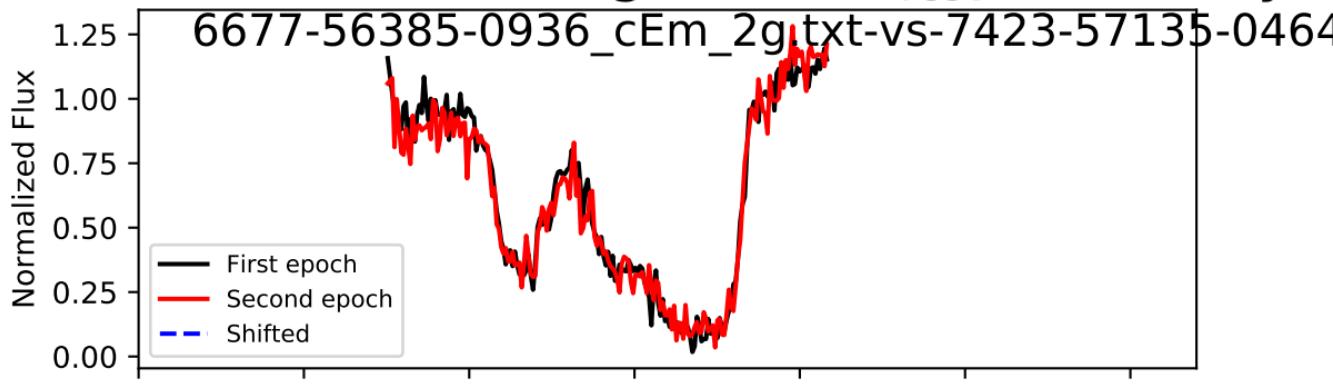


spectrum i = 110, Trough 0/0,  $\Delta t_{\text{rest}} = 3.312$  ye

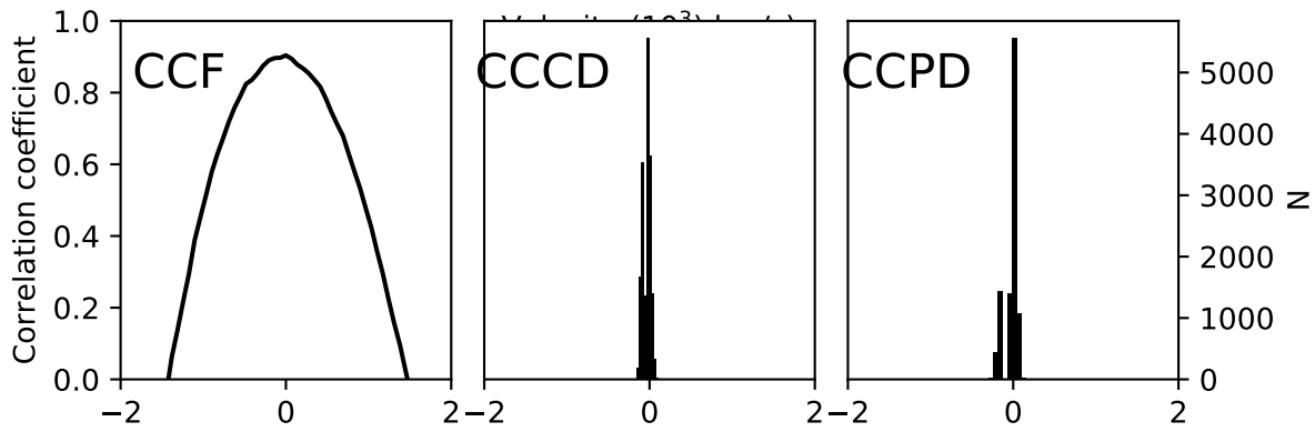
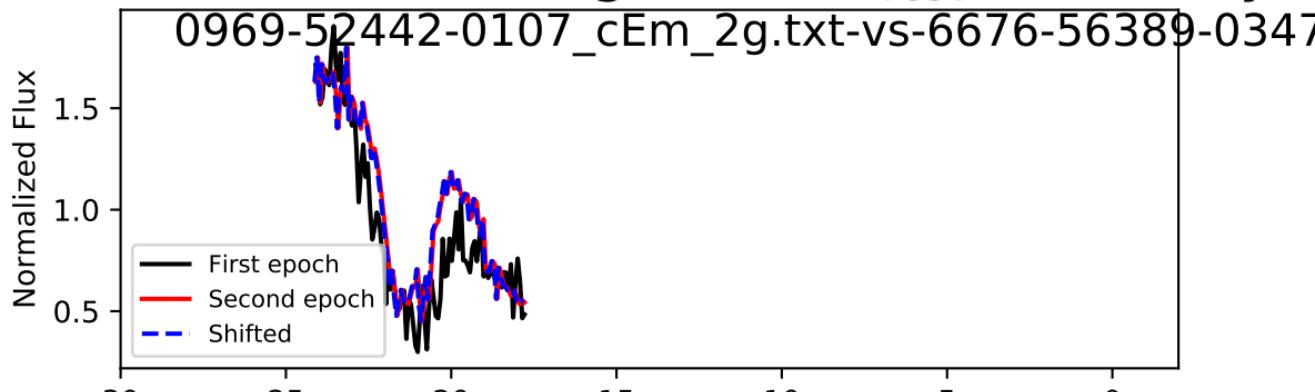


Shift: 402.9 + 32.4 - 1.9 km/s, Accel: 0.386+ 0.031 - 0.002 cm

spectrum  $i = 110$ , Trough 0/0,  $\Delta t_{\text{rest}} = 0.529$  ye

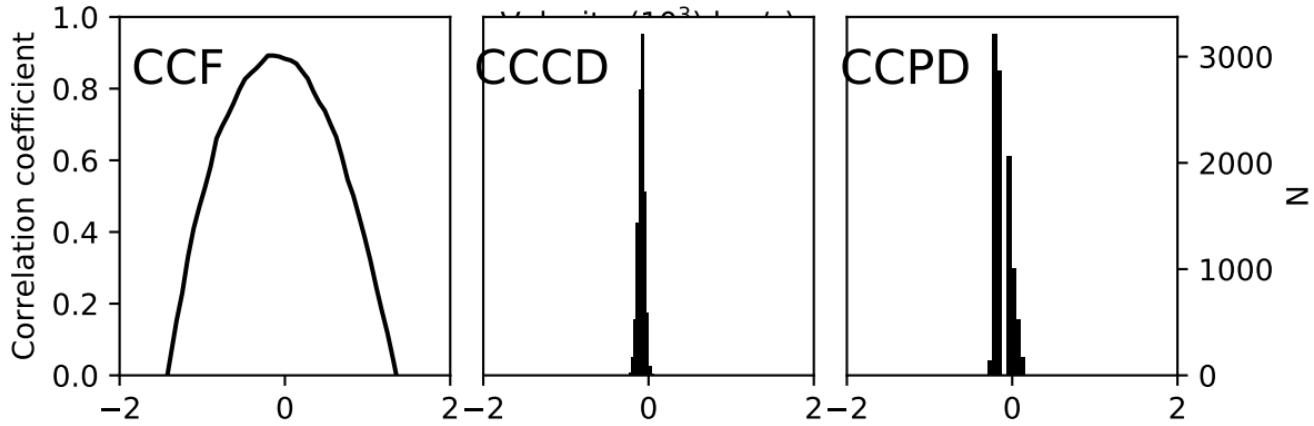
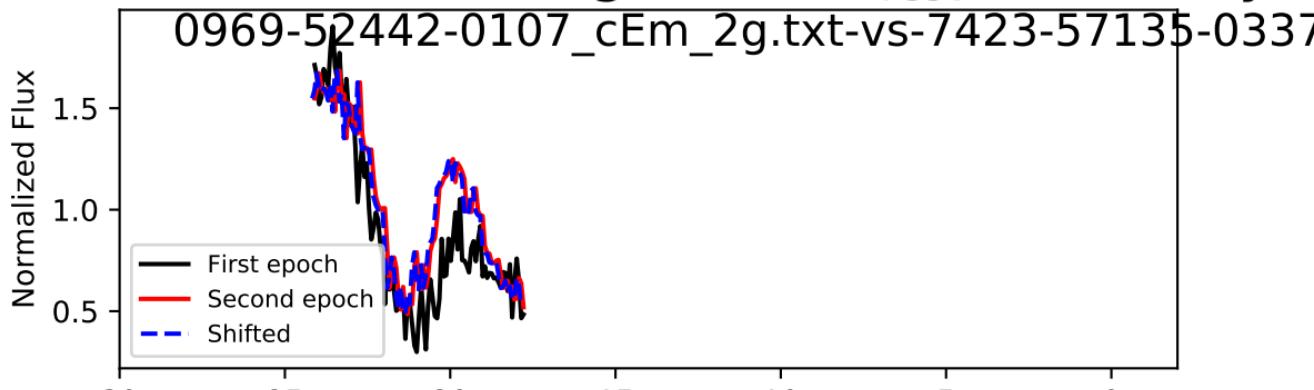


spectrum  $i = 111$ , Trough 0/2,  $\Delta t_{\text{rest}} = 3.807$  ye

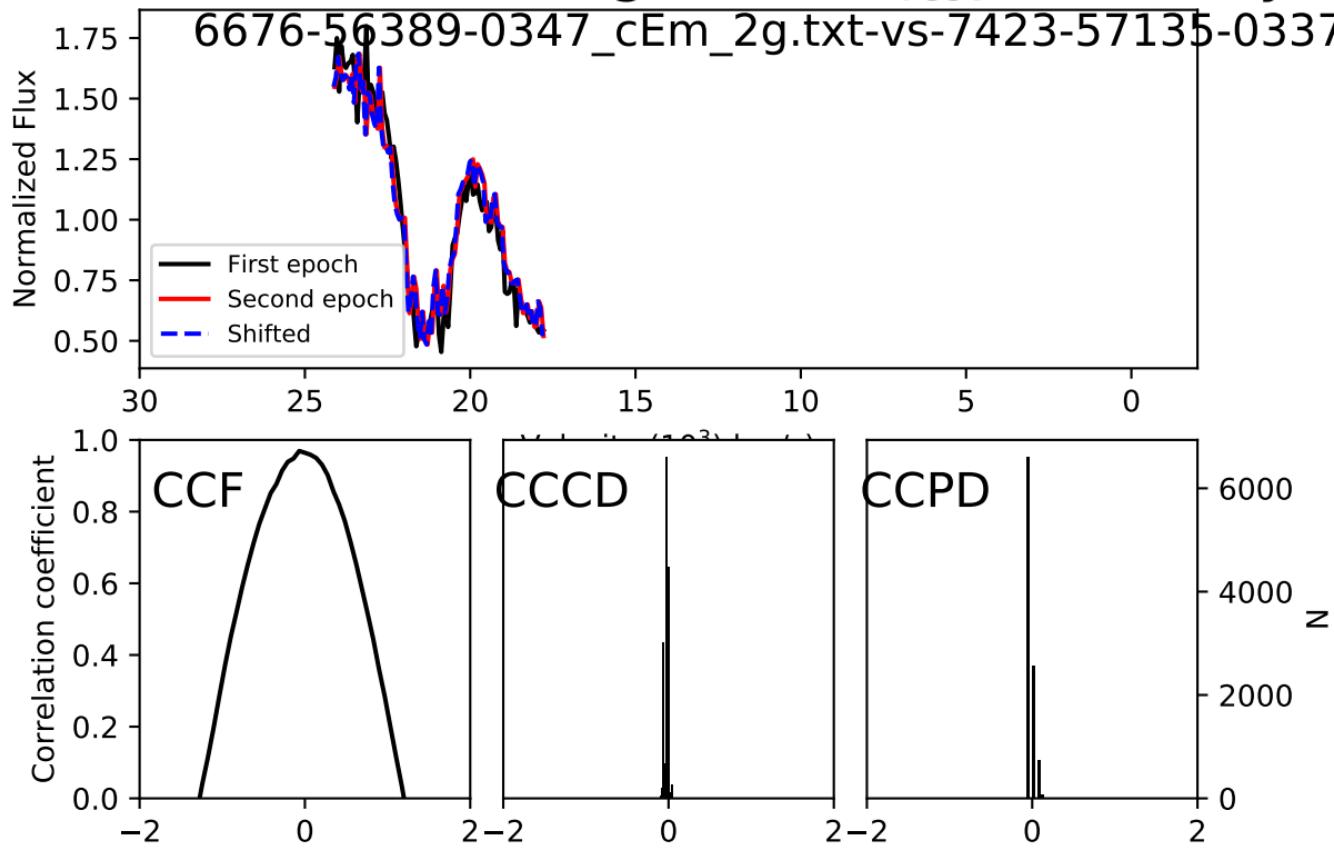


ft:  $-34.9 + 35.1 - 35.2$  km/s, Accel:  $-0.029 + 0.029 - 0.029$  cm/s<sup>2</sup>

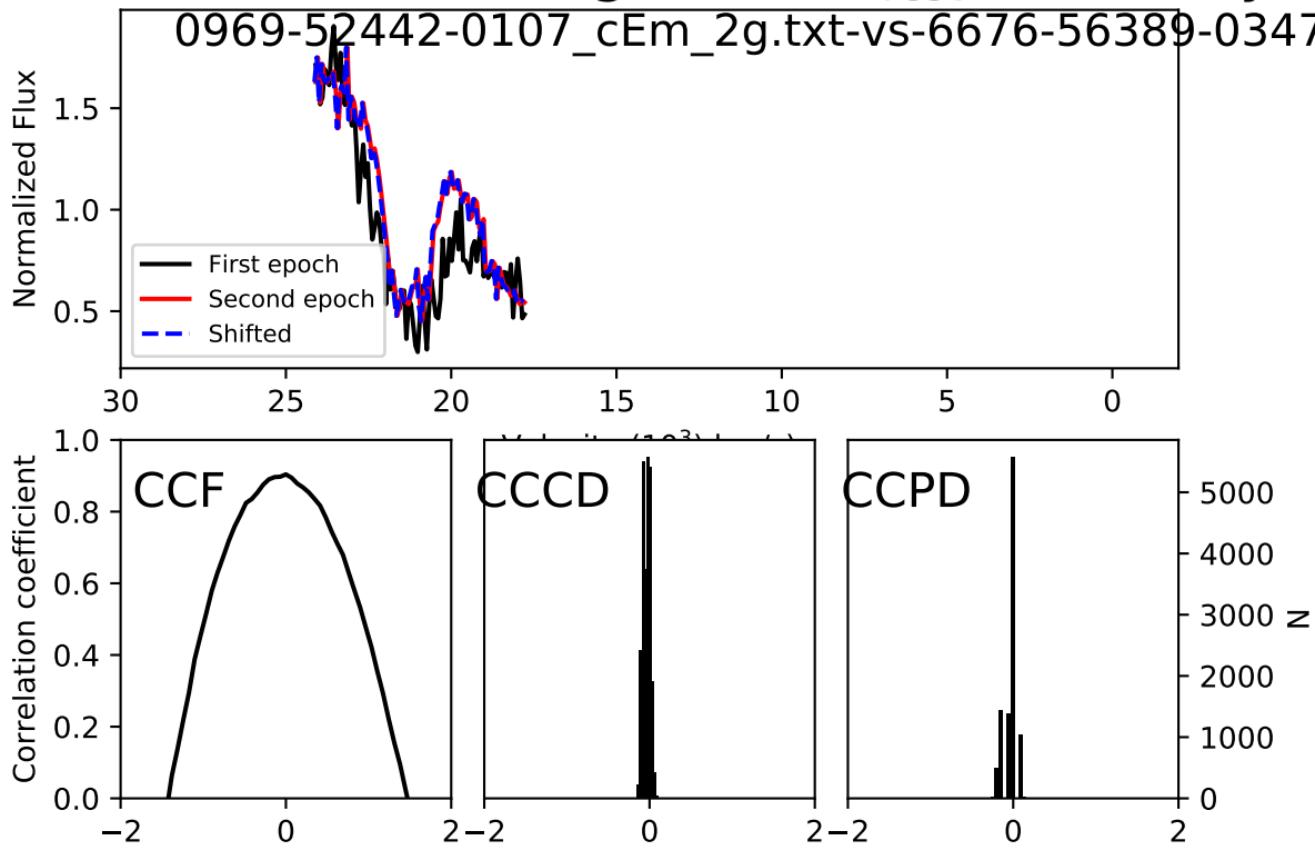
spectrum  $i = 111$ , Trough 0/2,  $\Delta t_{\text{rest}} = 4.527$  ye



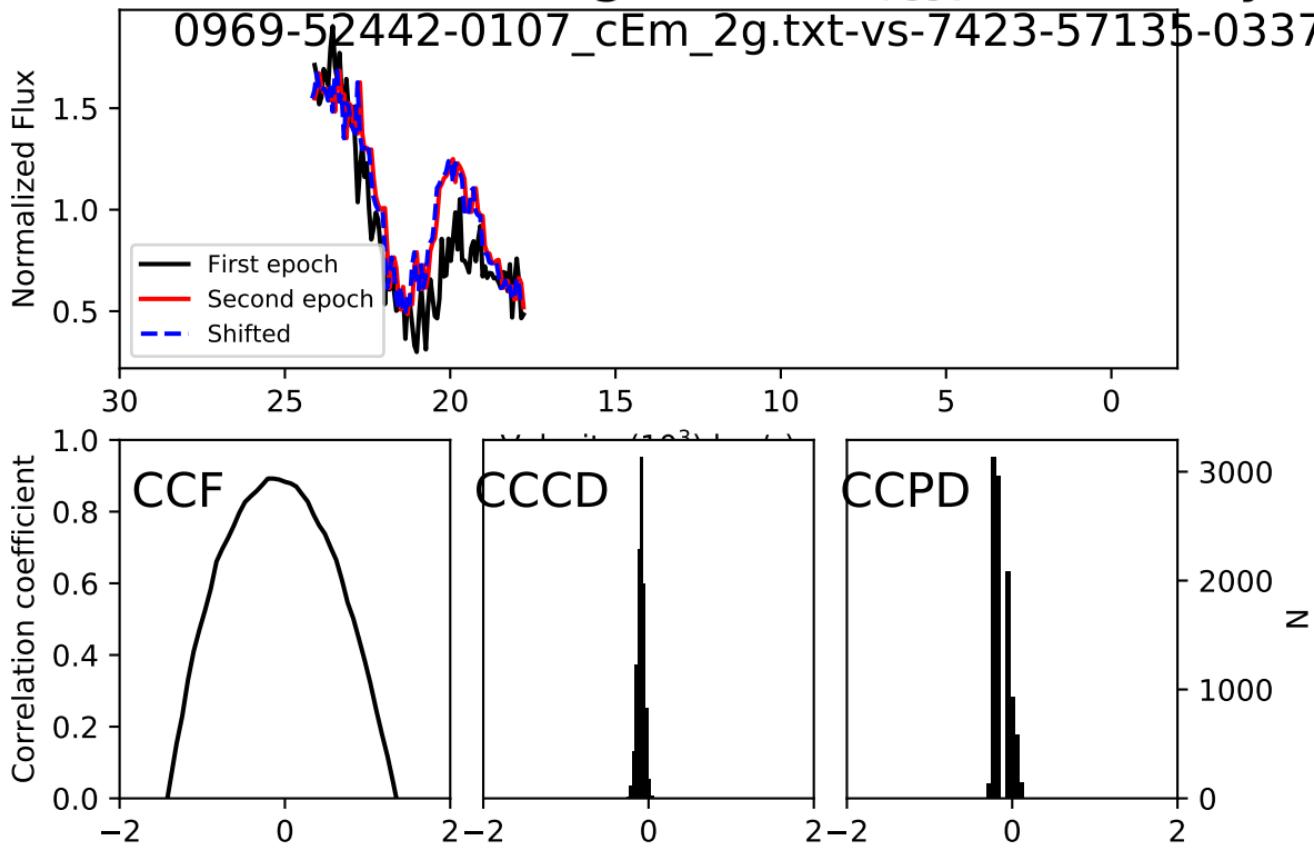
spectrum i = 111, Trough 0/2,  $\Delta t_{\text{rest}} = 0.720$  ye



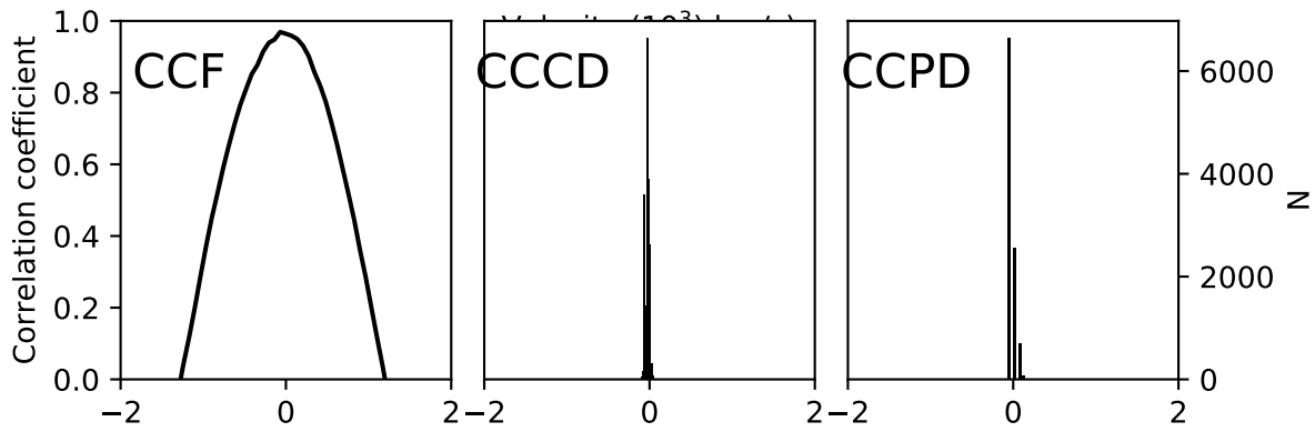
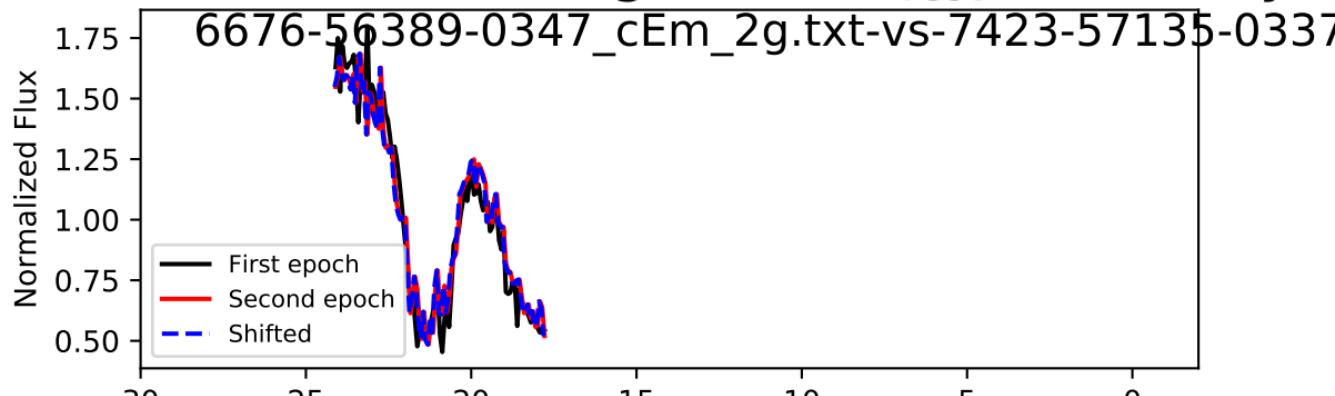
spectrum  $i = 111$ , Trough 1/2,  $\Delta t_{\text{rest}} = 3.807$  ye



spectrum  $i = 111$ , Trough 1/2,  $\Delta t_{\text{rest}} = 4.527$  ye

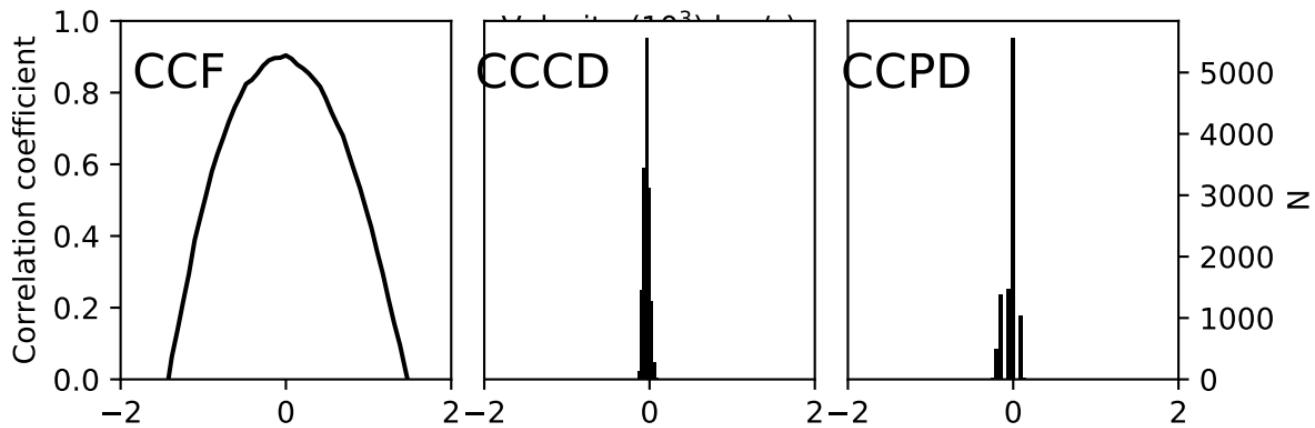
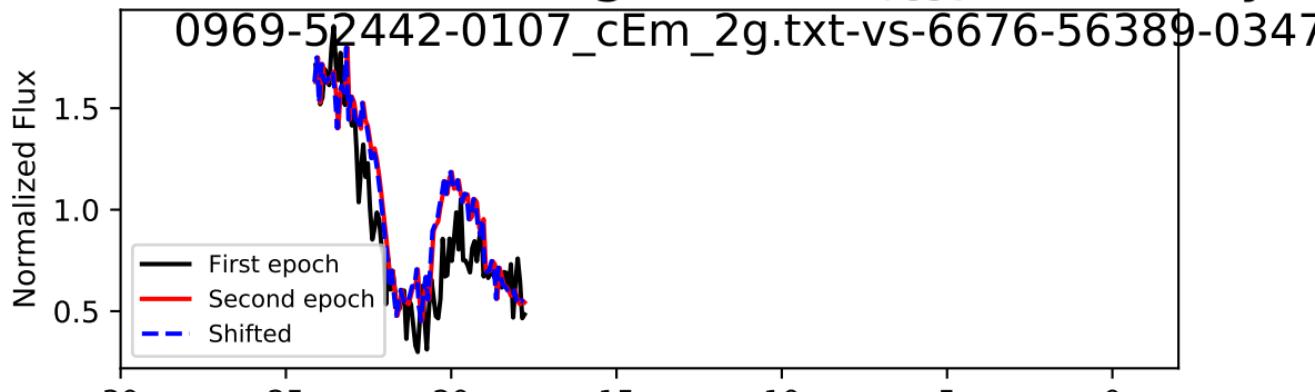


spectrum i = 111, Trough 1/2,  $\Delta t_{\text{rest}} = 0.720$  ye



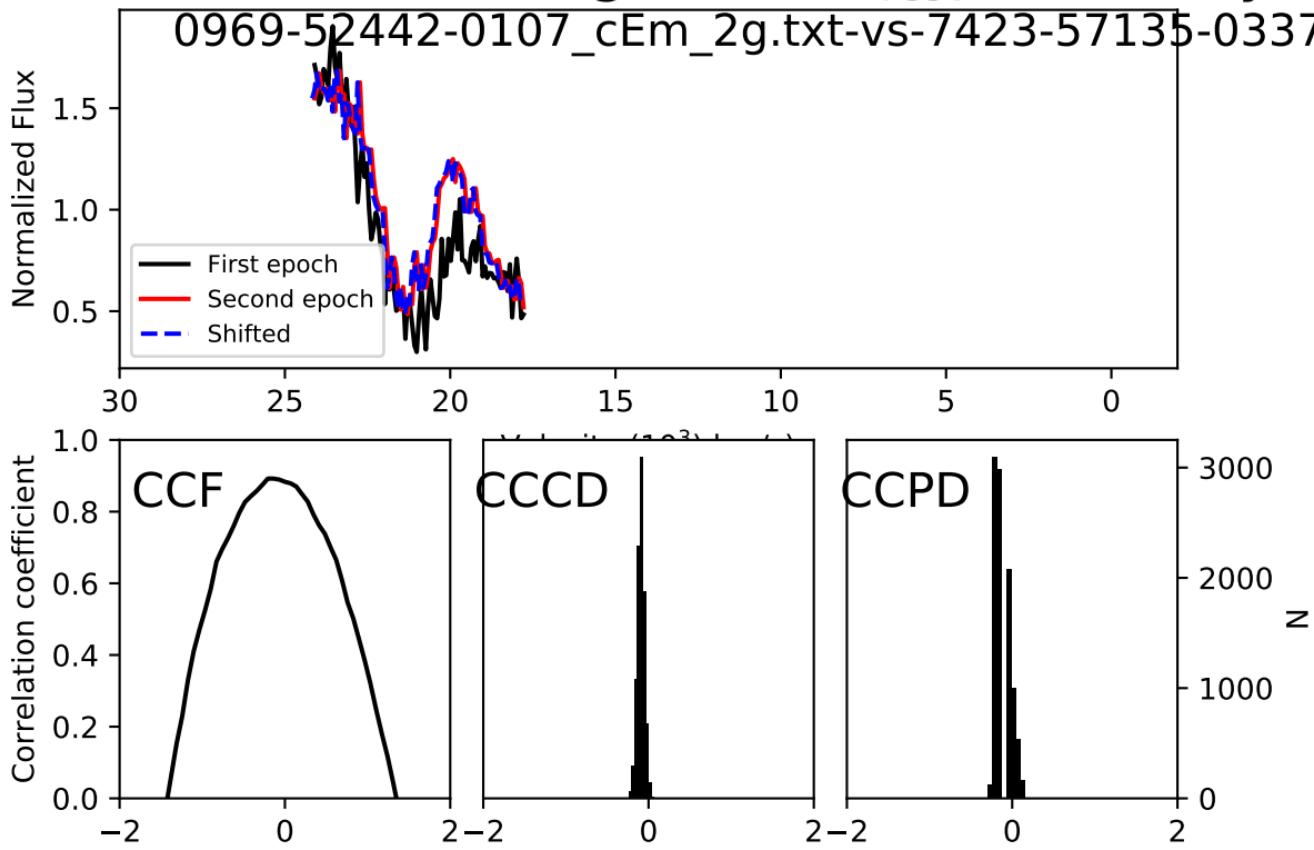
ft: -32.5 + 32.1 - 31.9 km/s, Accel: -0.143+ 0.141 - 0.141 cm

spectrum  $i = 111$ , Trough 2/2,  $\Delta t_{\text{rest}} = 3.807$  years

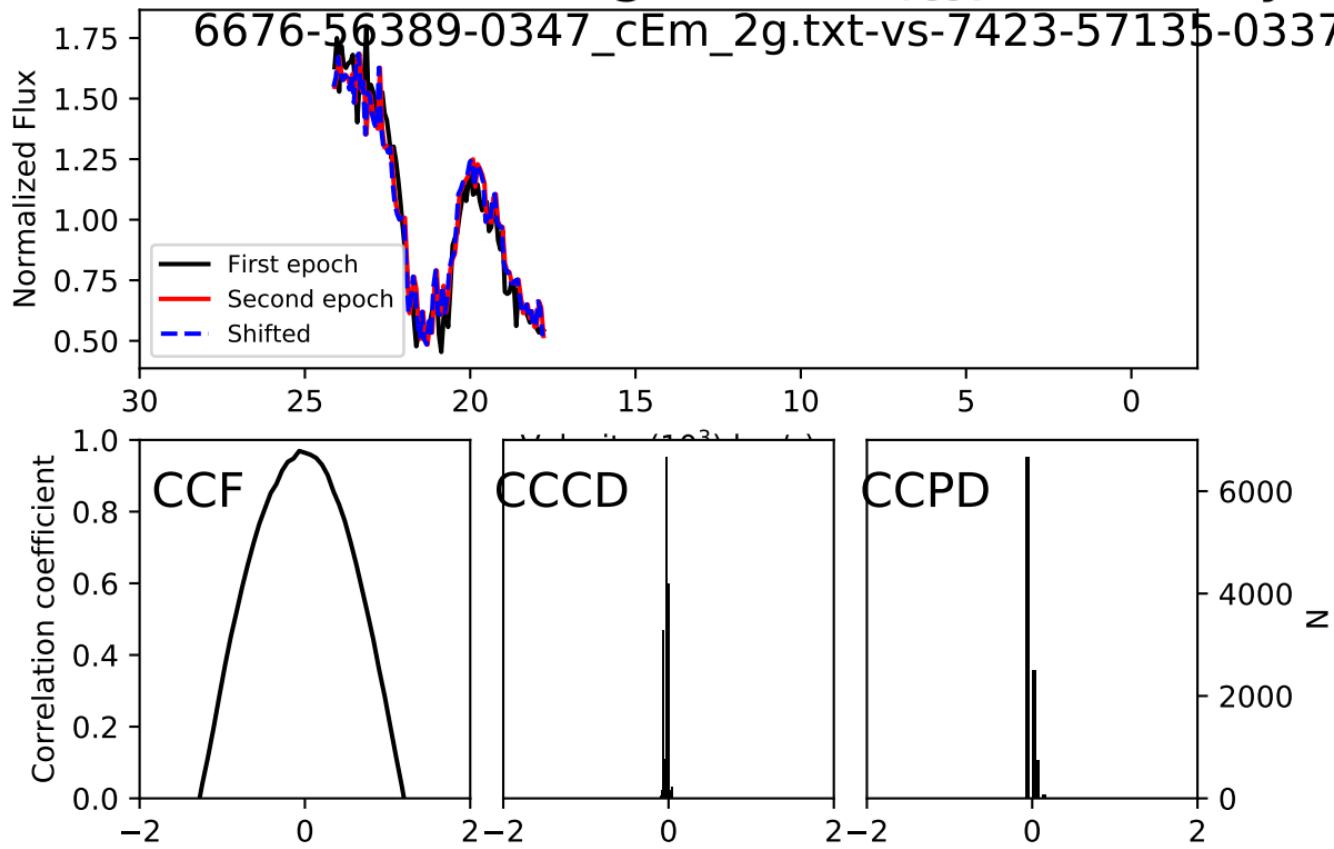


ft: -34.9 + 35.1 - 35.2 km/s, Accel: -0.029+ 0.029 - 0.029 cm<sup>-1</sup> s

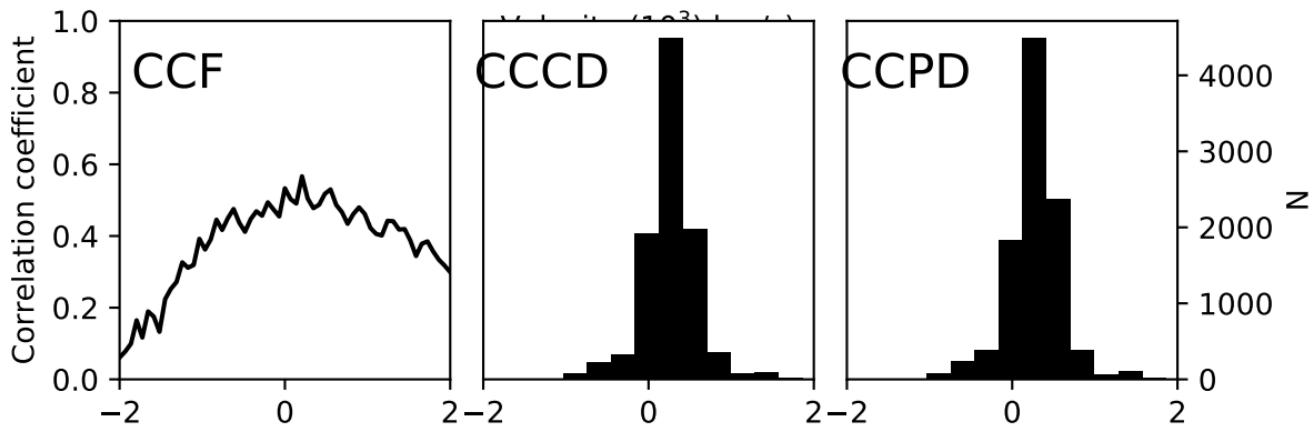
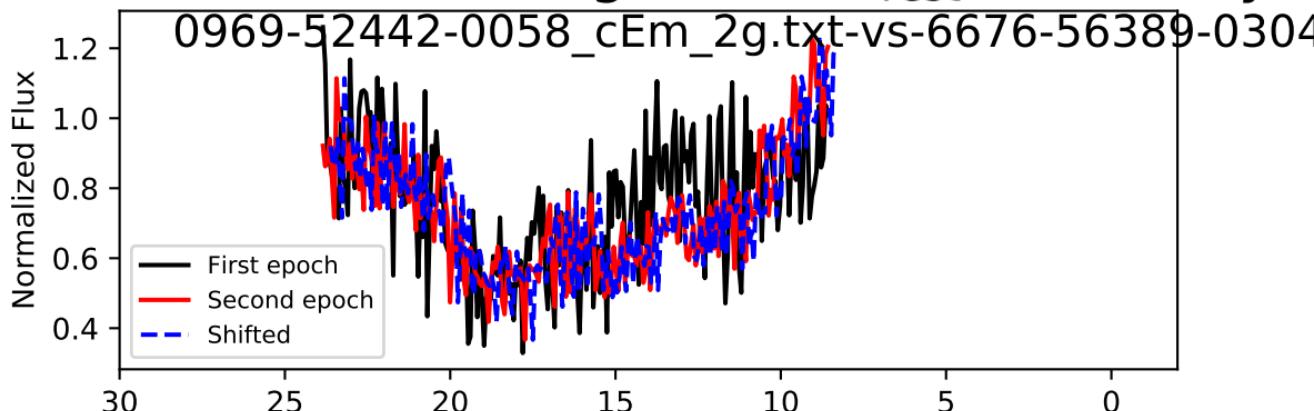
spectrum  $i = 111$ , Trough 2/2,  $\Delta t_{\text{rest}} = 4.527$  ye



spectrum i = 111, Trough 2/2,  $\Delta t_{\text{rest}} = 0.720$  ye

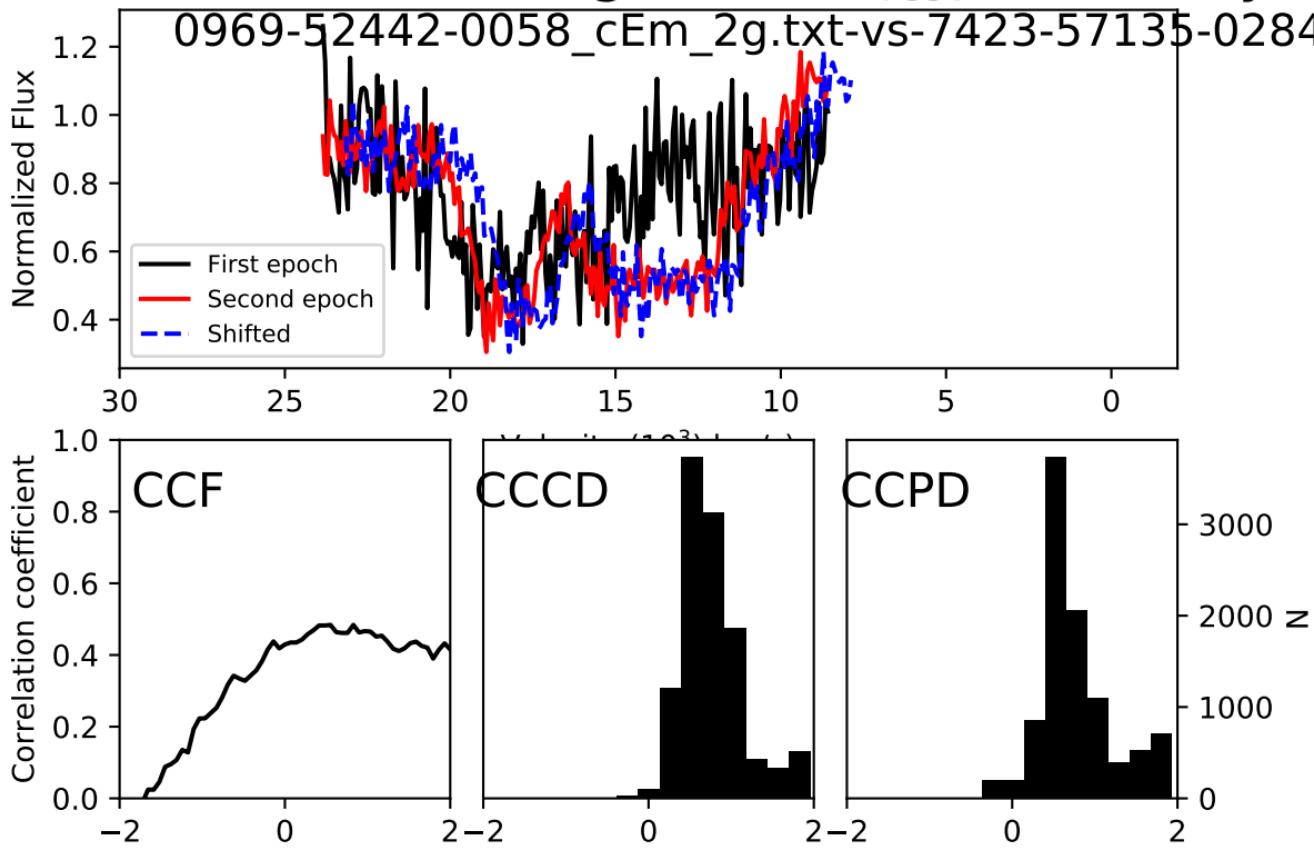


Spectrum i = 112, Trough 0/0,  $\Delta t_{\text{rest}} = 3.399$  years

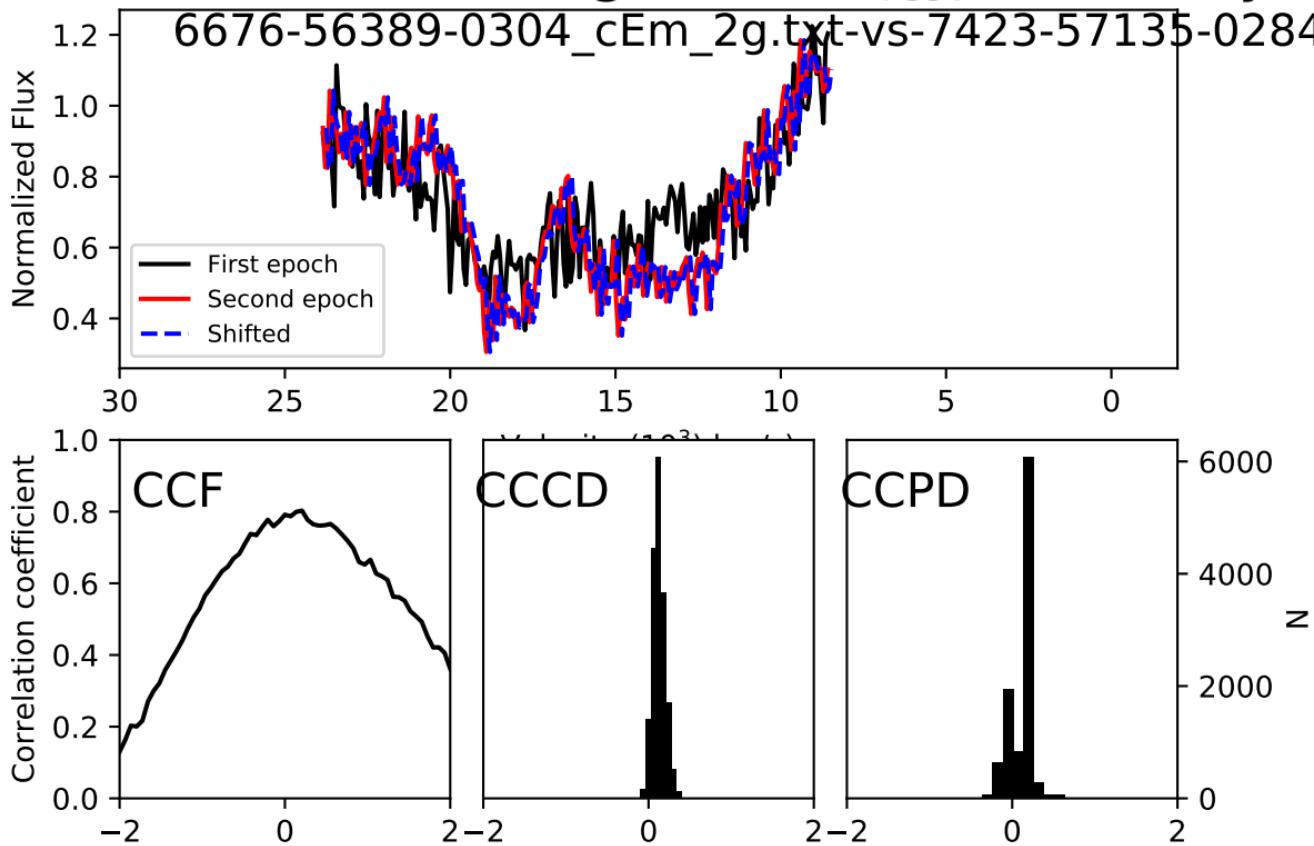


Fit:  $237.8 + 282.9 - 205.7 \text{ km/s}$ , Accel:  $0.222 + 0.264 - 0.192 \text{ cm/s}^2$

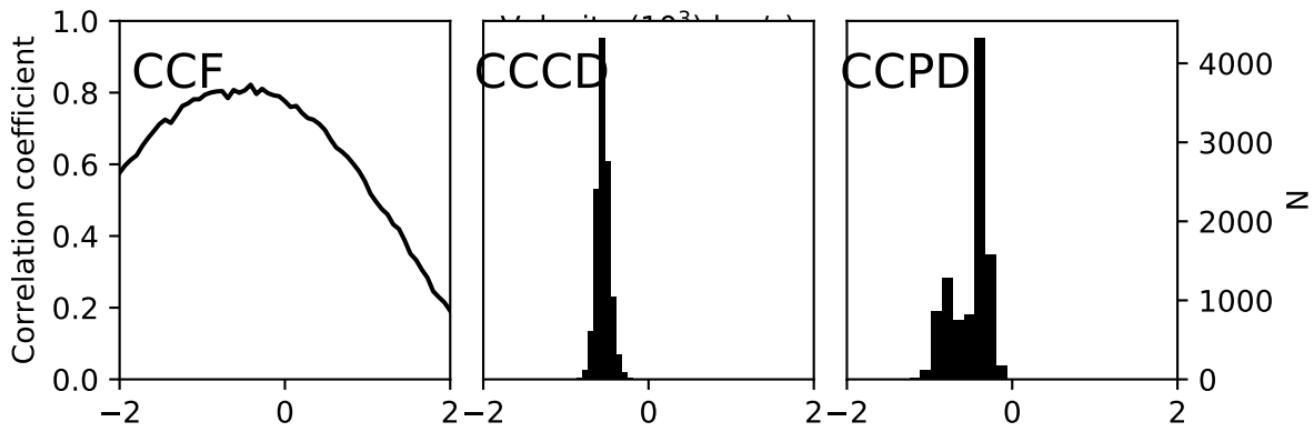
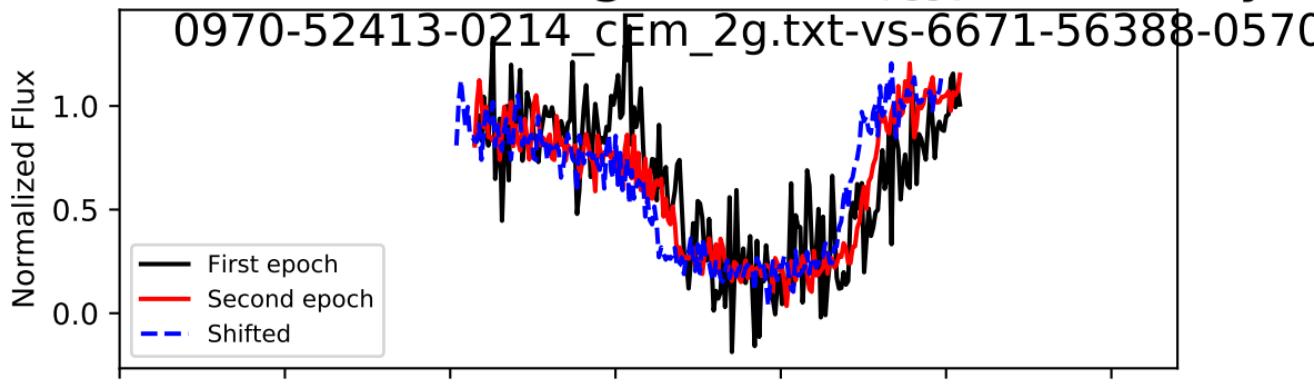
spectrum i = 112, Trough 0/0,  $\Delta t_{\text{rest}} = 4.041$  ye



spectrum  $i = 112$ , Trough 0/0,  $\Delta t_{\text{rest}} = 0.642$  ye

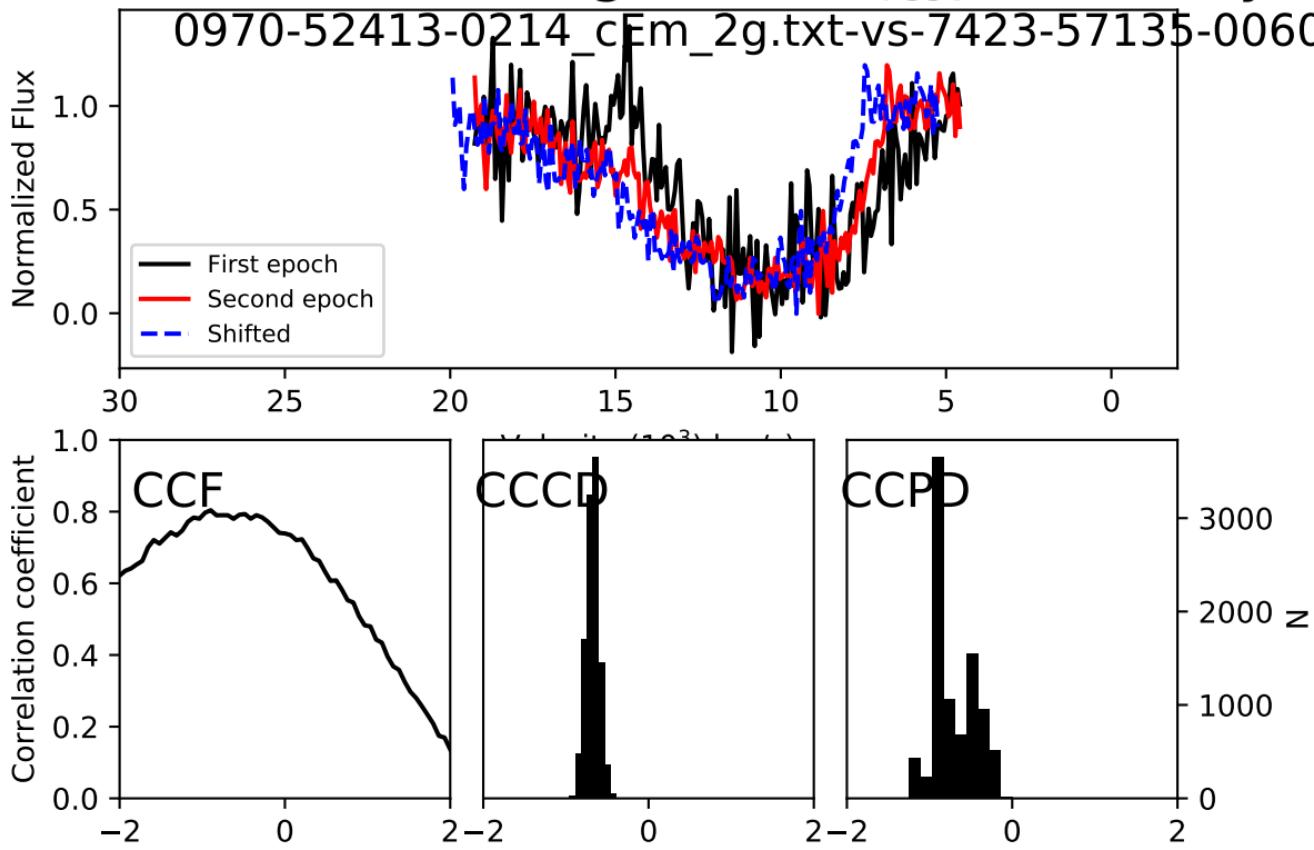


spectrum  $i = 113$ , Trough 0/0,  $\Delta t_{\text{rest}} = 3.634$  ye



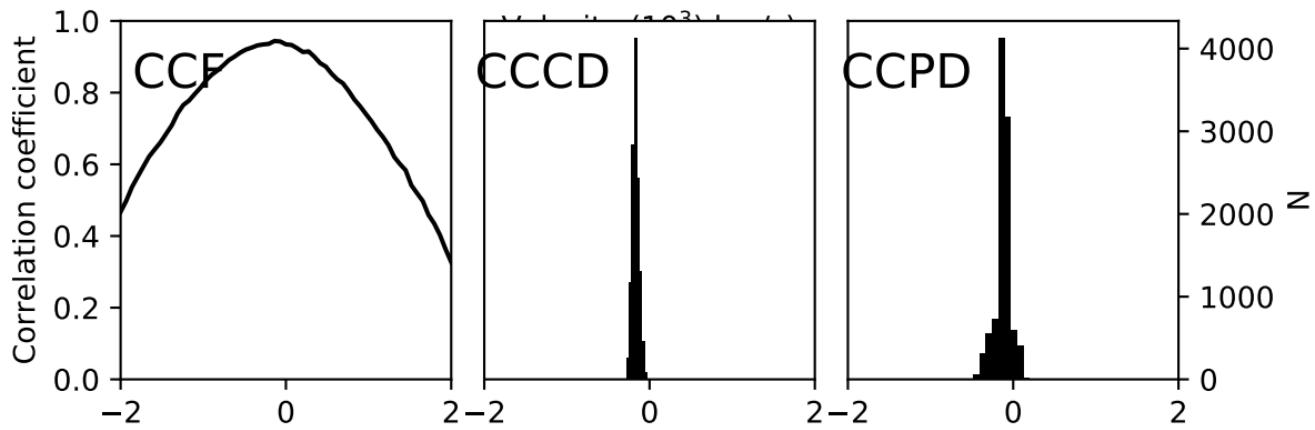
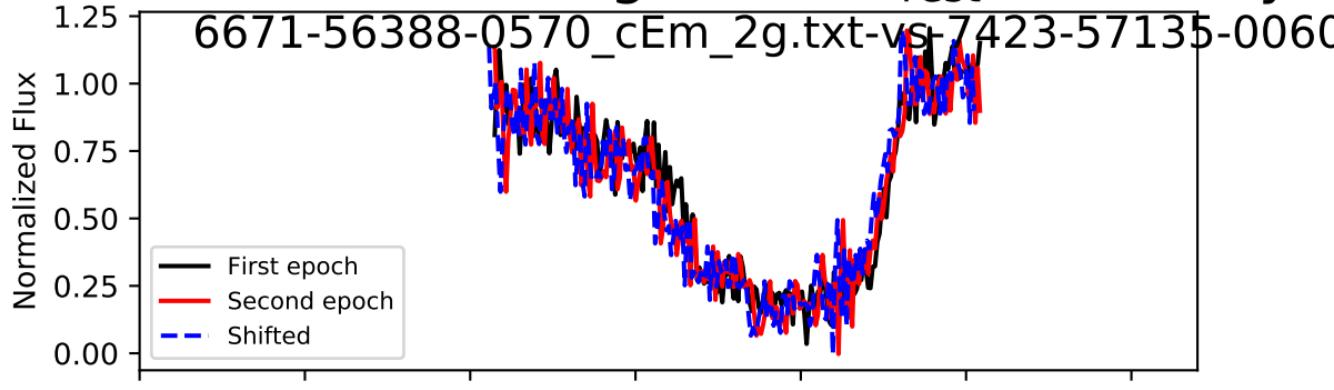
t:  $-554.4 + 72.8 - 70.2$  km/s, Accel:  $-0.484 + 0.064 - 0.061$  cm/s<sup>2</sup>

spectrum  $i = 113$ , Trough 0/0,  $\Delta t_{\text{rest}} = 4.317$  ye



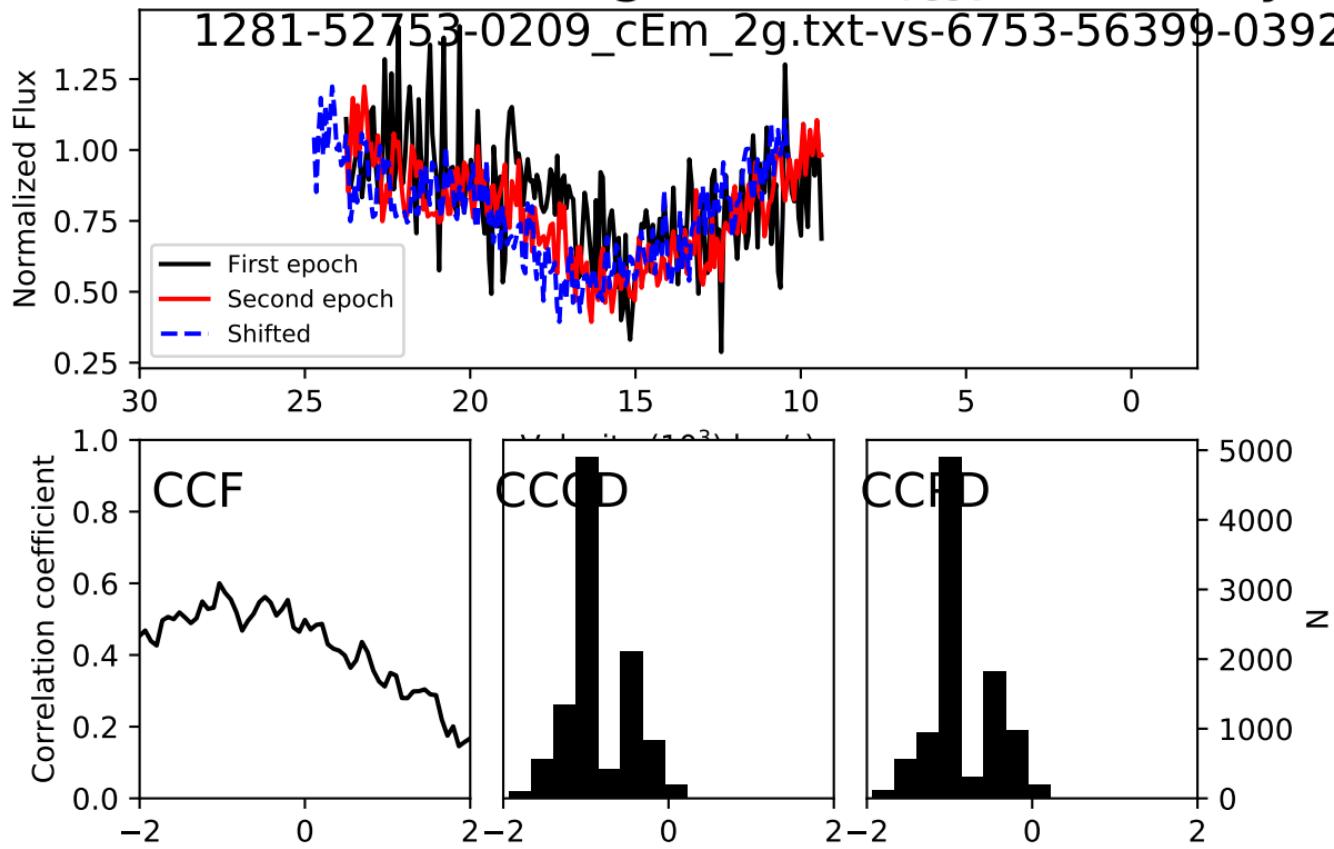
t:  $-668.2 + 74.1 - 88.6$  km/s, Accel:  $-0.491 + 0.054 - 0.065$  cm/s<sup>2</sup>

spectrum i = 113, Trough 0/0,  $\Delta t_{\text{rest}} = 0.683$  ye

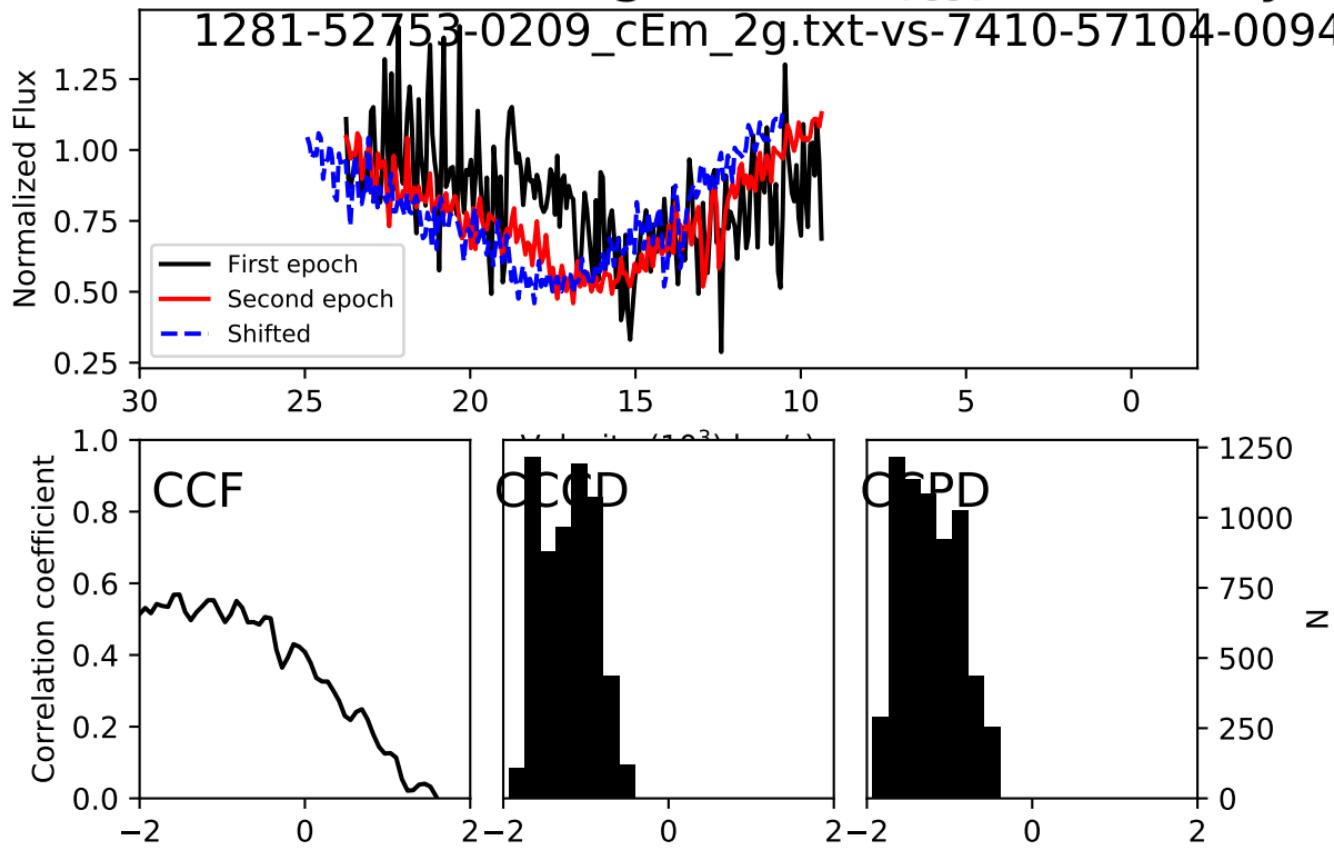


t: -170.1 + 37.0 - 35.7 km/s, Accel: -0.790+ 0.172 - 0.166 cr

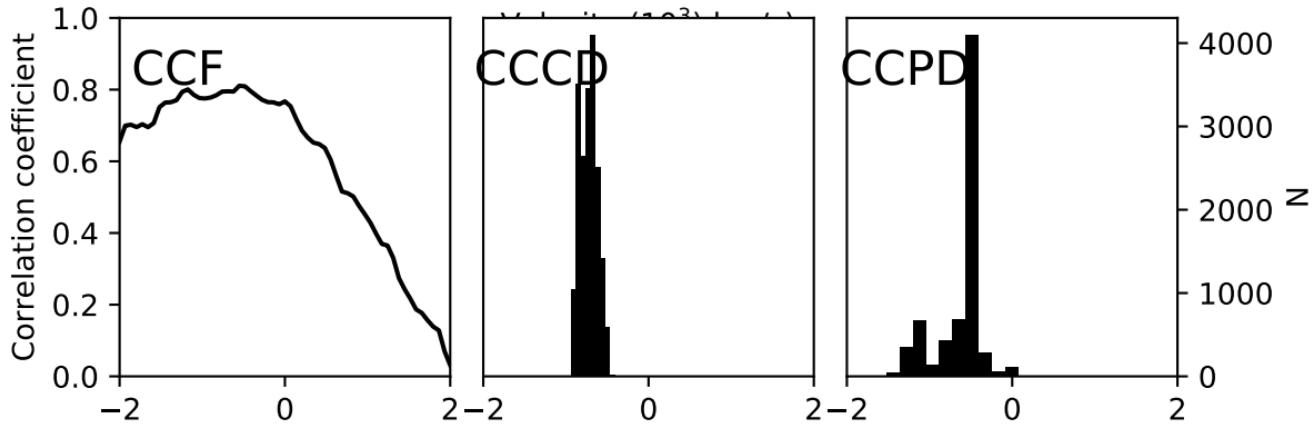
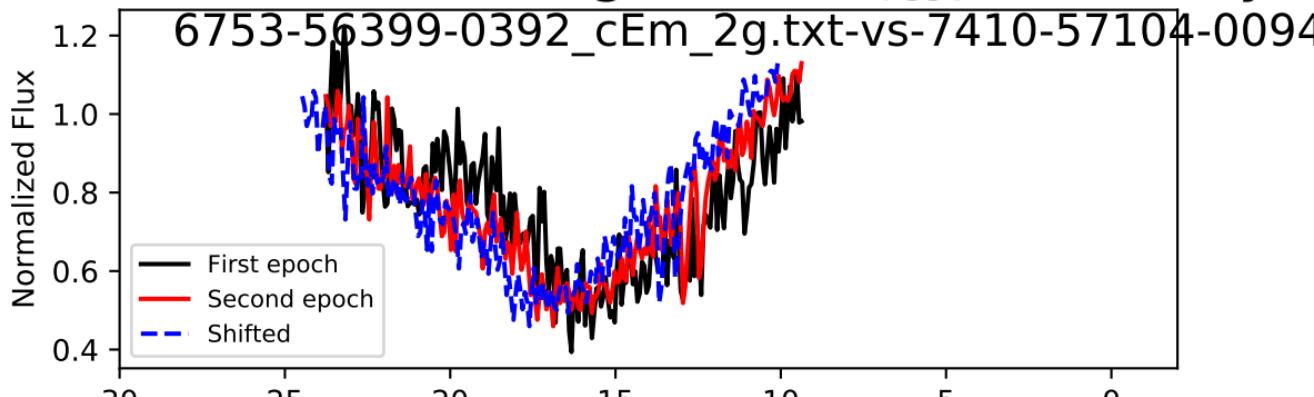
spectrum  $i = 115$ , Trough 0/0,  $\Delta t_{\text{rest}} = 3.648$  ye



spectrum  $i = 115$ , Trough 0/0,  $\Delta t_{\text{rest}} = 4.354$  ye

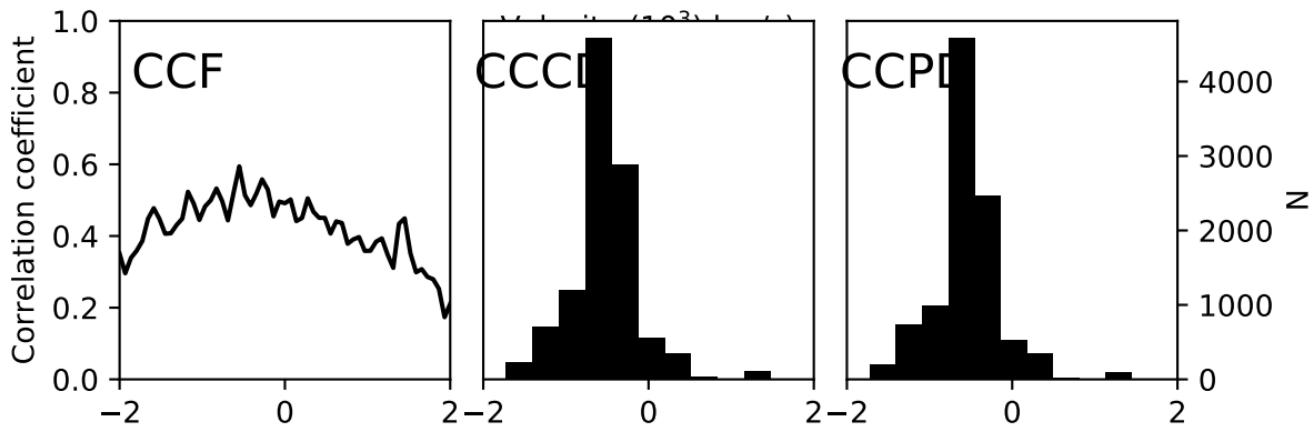
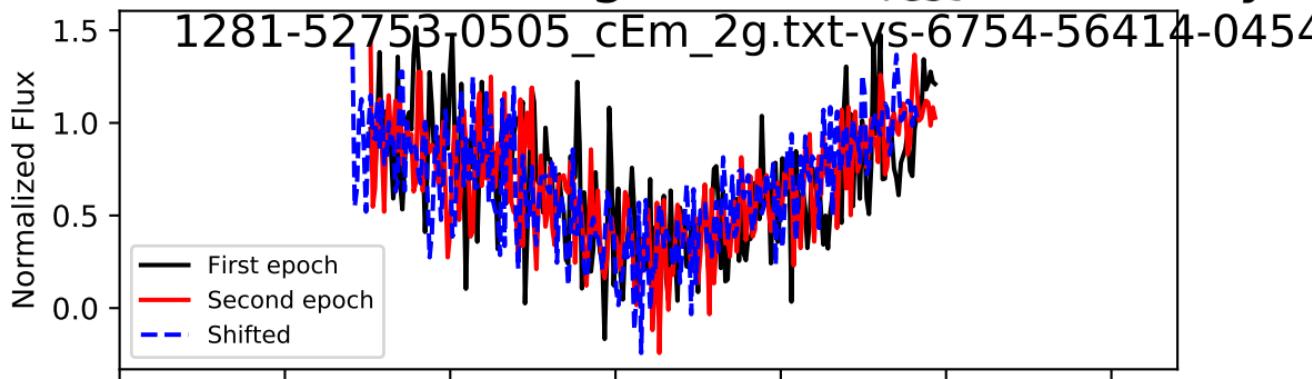


spectrum  $i = 115$ , Trough 0/0,  $\Delta t_{\text{rest}} = 0.705$  ye



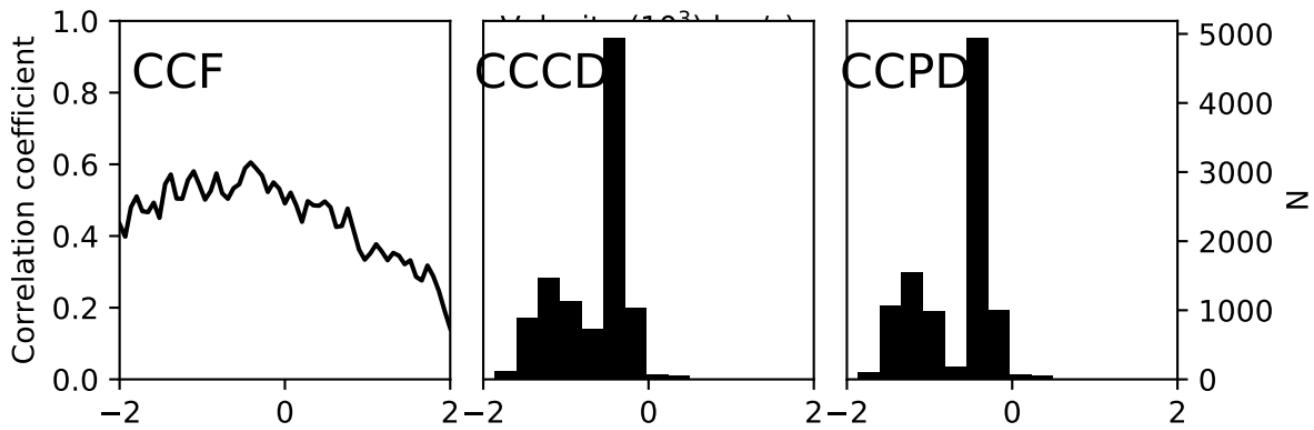
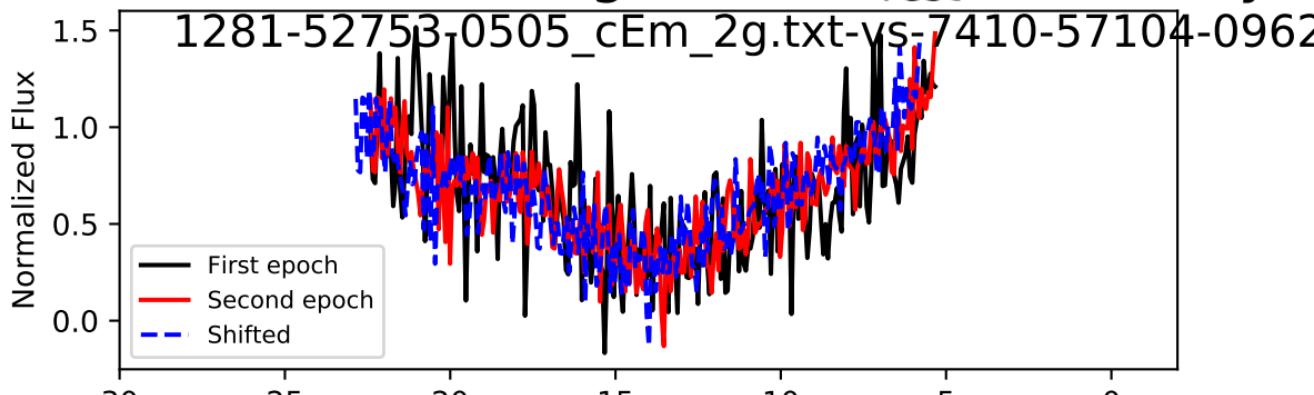
: -721.1 + 105.9 - 121.7 km/s, Accel: -3.242 + 0.476 - 0.547 c

spectrum i = 116, Trough 0/0,  $\Delta t_{\text{rest}} = 3.746$  ye



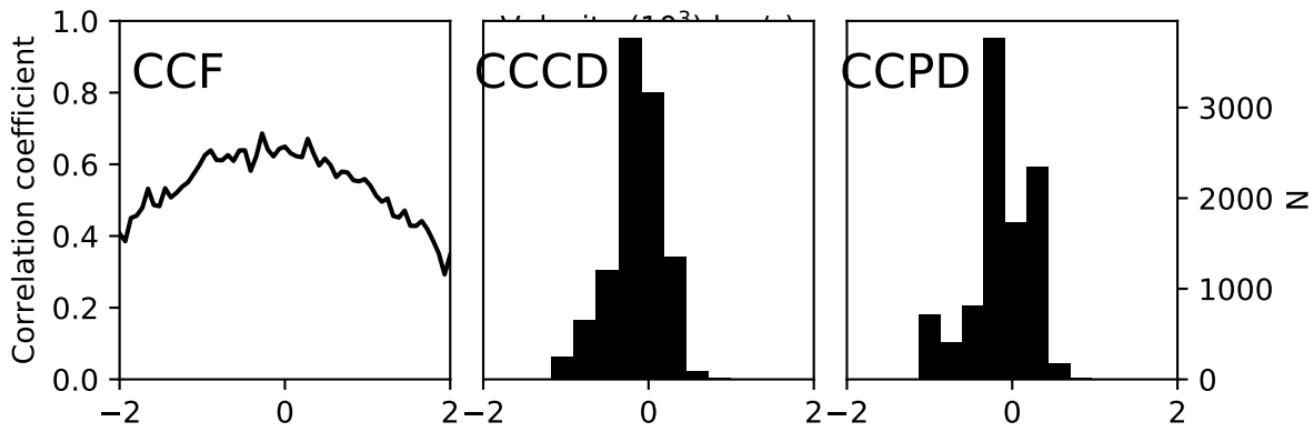
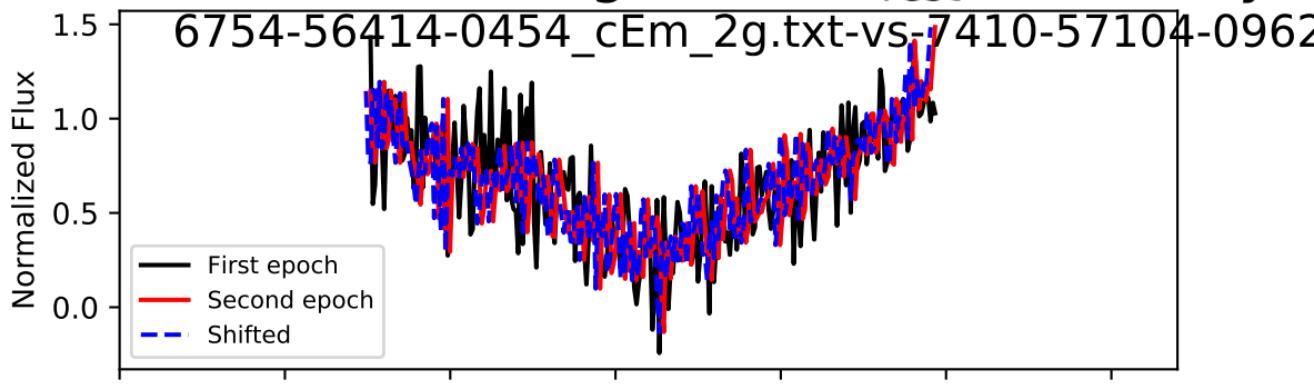
: -547.8 + 304.8 - 280.2 km/s, Accel: -0.464+ 0.258 - 0.237 c

spectrum  $i = 116$ , Trough 0/0,  $\Delta t_{\text{rest}} = 4.452$  ye



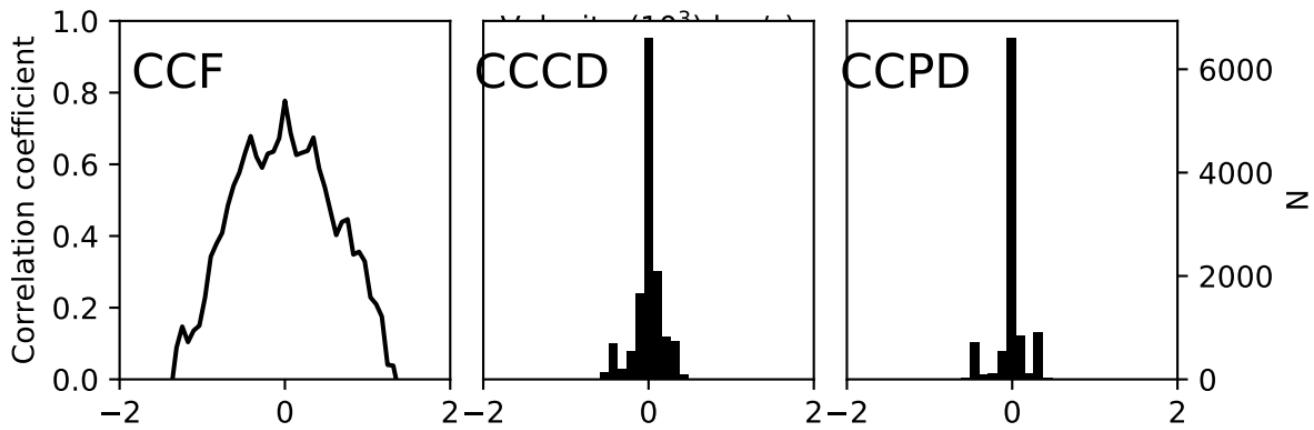
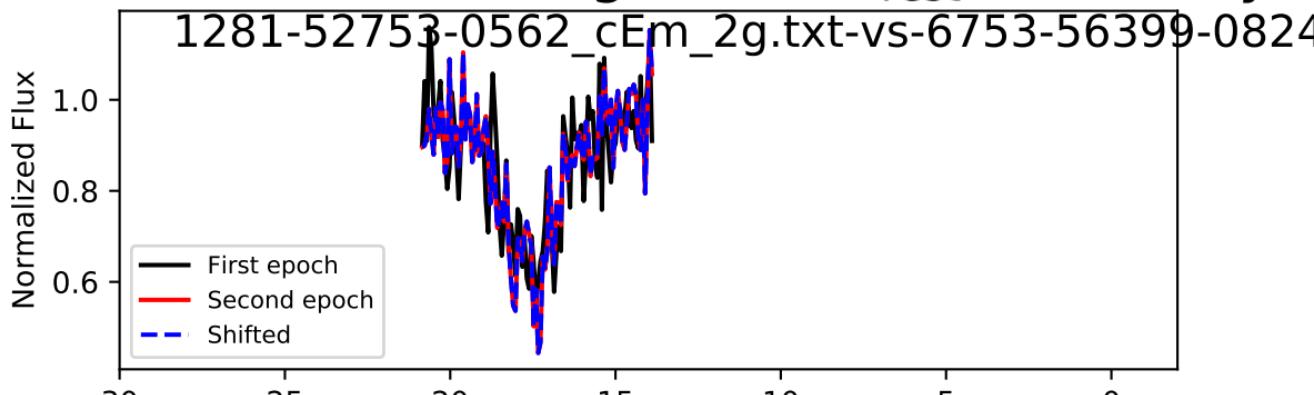
: -450.3 + 132.2 - 689.2 km/s, Accel: -0.321+ 0.094 - 0.491 c

spectrum i = 116, Trough 0/0,  $\Delta t_{\text{rest}} = 0.706$  ye

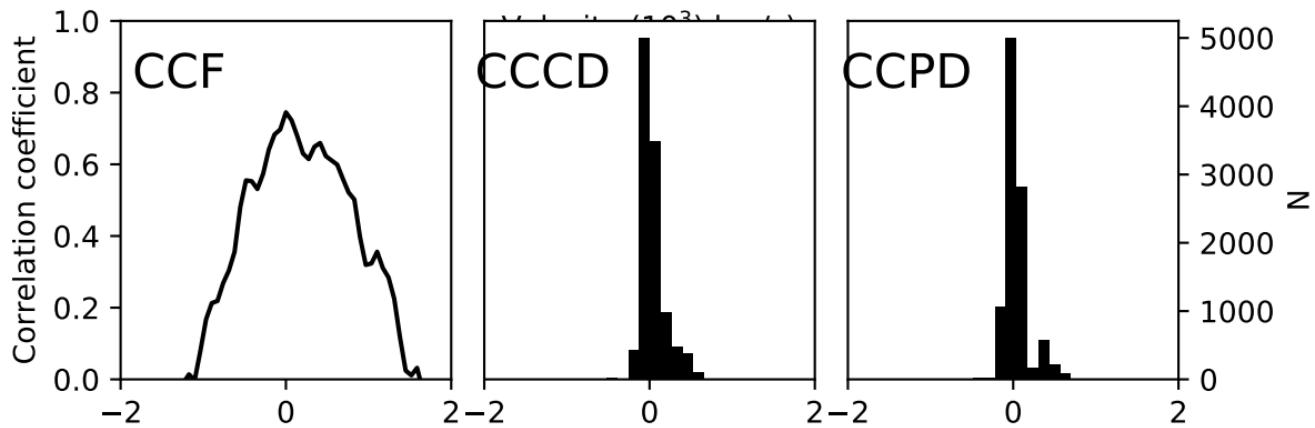
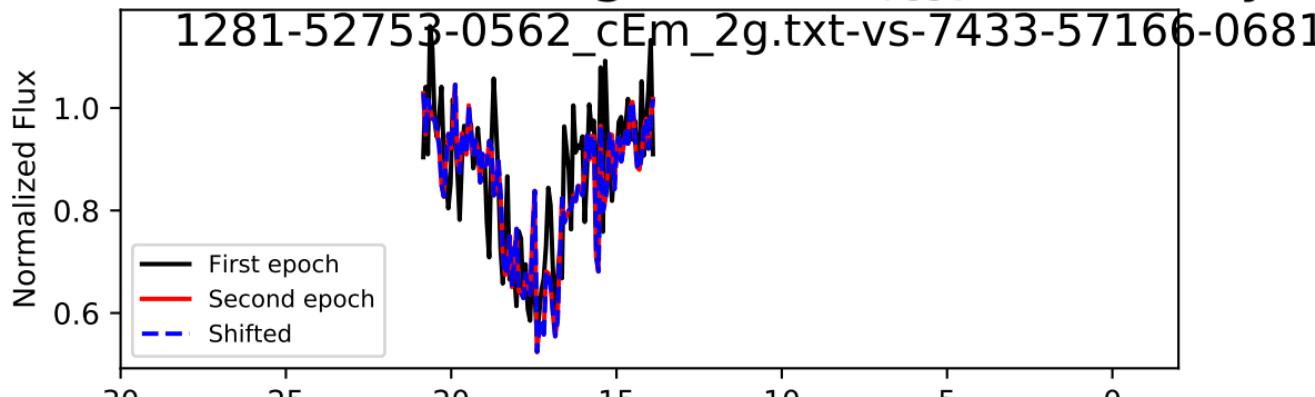


: -136.0 + 295.0 - 305.8 km/s, Accel: -0.611+ 1.325 - 1.374 c

spectrum i = 117, Trough 0/1,  $\Delta t_{\text{rest}} = 2.332$  ye

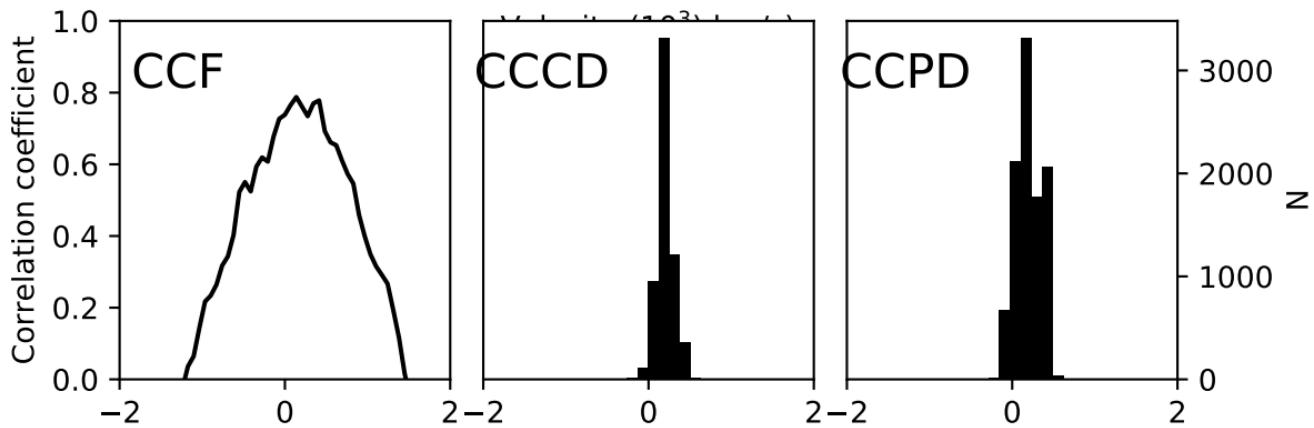
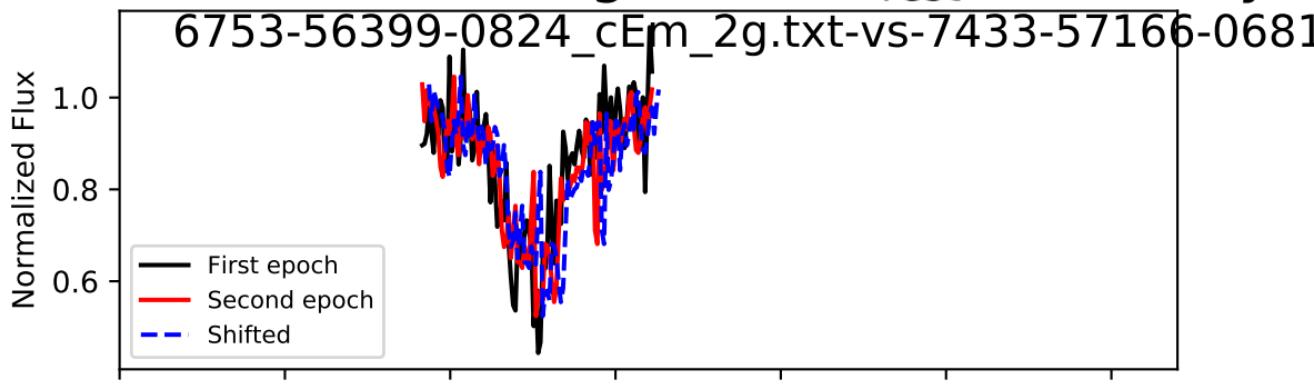


spectrum i = 117, Trough 0/1,  $\Delta t_{\text{rest}} = 2.823$  ye

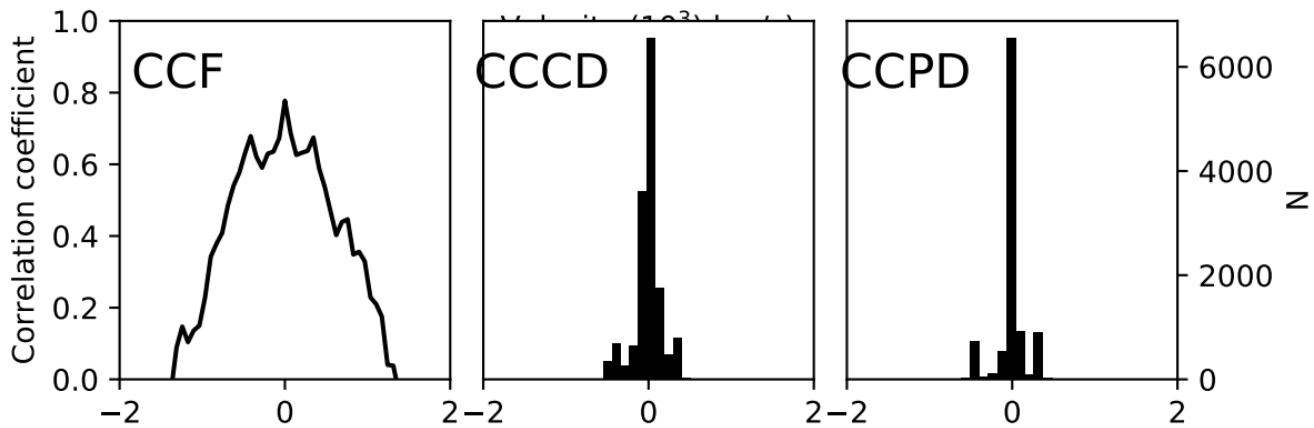
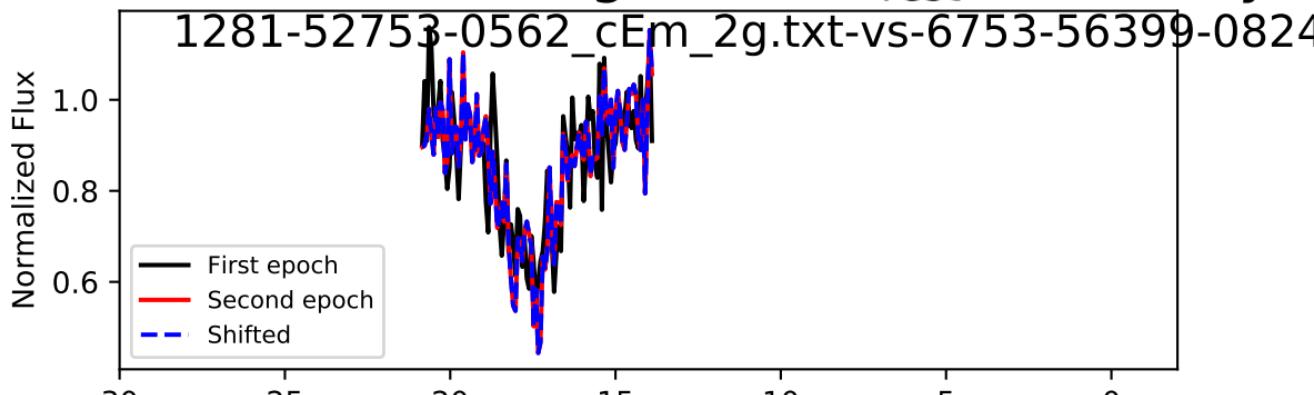


Shift:  $5.9 + 160.8 - 68.8$  km/s, Accel:  $0.007 + 0.181 - 0.077$  cm

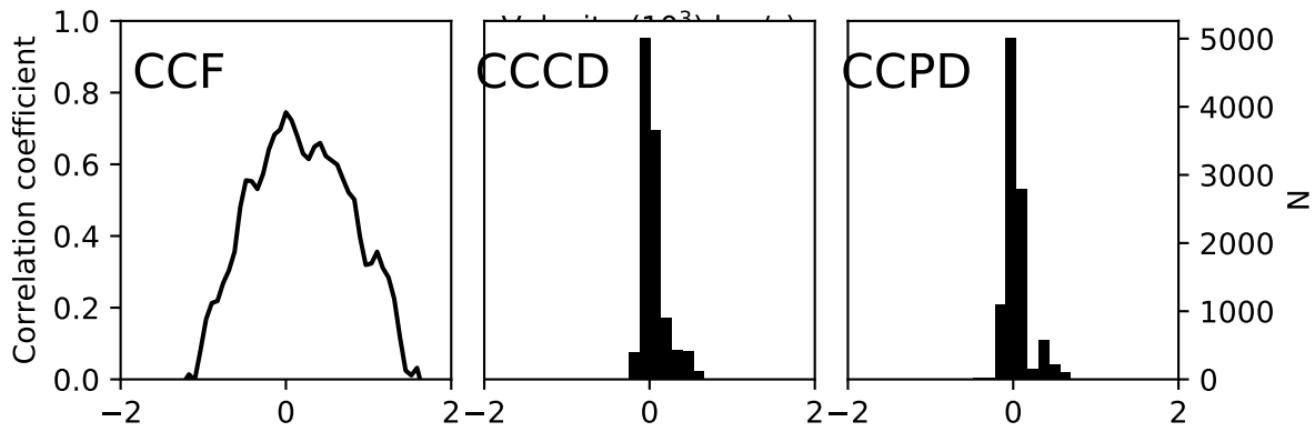
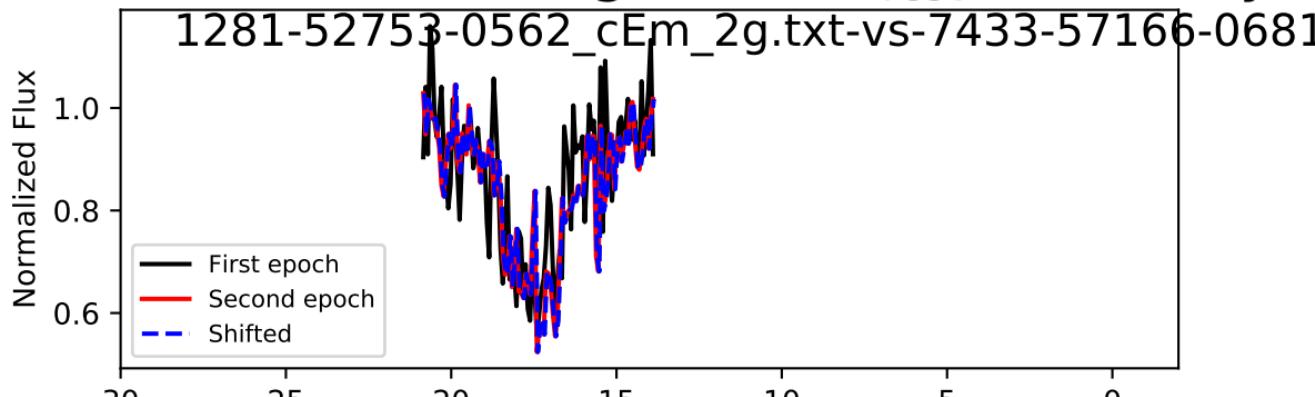
spectrum i = 117, Trough 0/1,  $\Delta t_{\text{rest}} = 0.491$  ye



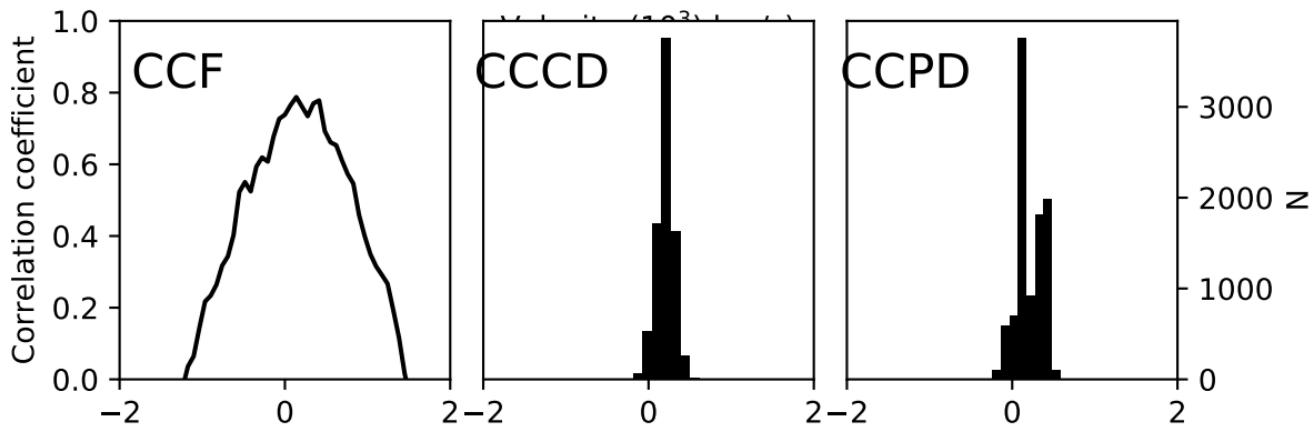
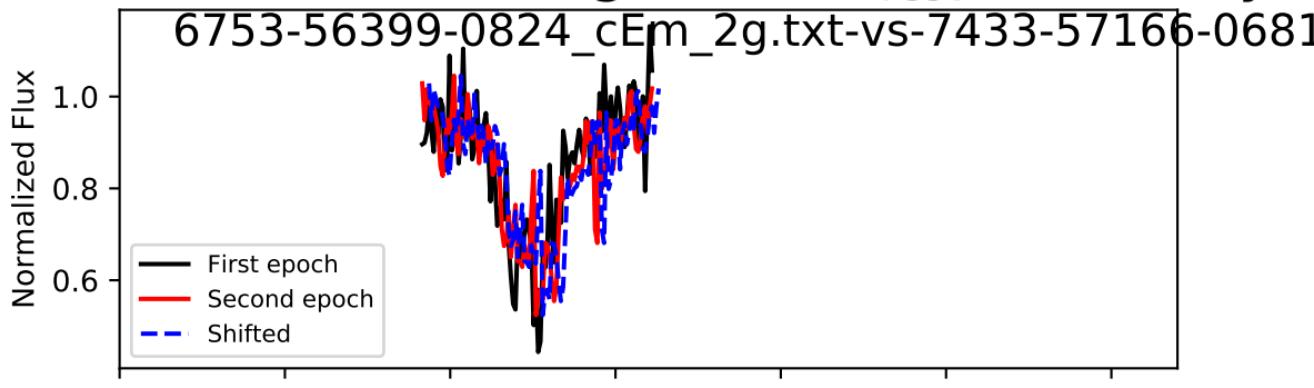
Spectrum  $i = 117$ , Trough 1/1,  $\Delta t_{\text{rest}} = 2.332$  years



spectrum  $i = 117$ , Trough 1/1,  $\Delta t_{\text{rest}} = 2.823$  ye



spectrum i = 117, Trough 1/1,  $\Delta t_{\text{rest}} = 0.491$  ye



ft: 204.3 + 98.8 - 96.7 km/s, Accel: 1.320+ 0.639 - 0.625 cm