## 

Component 5: A rapidly varying smooth function. This function applies until 1643 and

This component is a rapidly varying but smooth function with a typical lengthscale of 1.6 years.

This component explains 75.9% of the residual variance; this increases the total variance explained from 92.3% to 98.1%. The addition of this component reduces the cross validated MAE by 0.35%

1362

1360

1650

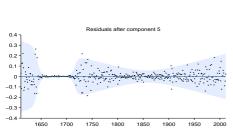
Sum of components up to component 5

2000

1750



Figure 10: Pointwise posterior of component 5 (left) and the posterior of the cumulative sum of



from 1716 onwards

from 0.15 to 0.15.

0.4

This component applies until 1643 and from 1716 onwards.

Posterior of component 5

Figure 11: Pointwise posterior of residuals after adding component 5