0.2 1361 0 1360.5 -0.2

2000



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

1362

1360

1650

Sum of components up to component 5

2000

1750

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%

from 1716 onwards

from 0.15 to 0.15.

1650 1700

0.6

-0.2-0.3 -0.4

1650 1700 1750 1800 1850 1900 1950

This component applies until 1643 and from 1716 onwards.

Posterior of component 5



2000 Figure 11: Pointwise posterior of residuals after adding component 5