Pairwise comparison report

Abstract

This report gives a comparison between XOM and C.

1 Share components

This section contains components which are shared between XOM and C. There are 4 common components in total. They are will be fully described in Table 1.

Description XOM $\overline{\mathbf{C}}$ Plot of posterior mean and variance 0.9 +2.001e3 •This component is a smooth function with a typical lengthscale of 2.4 days. The marginal standard deviation of the function increases -1.0 linearly •This component models uncorrelated noise. The standard deviation of the 0.01 0.01 noise increases linearly •This component is periodic with a period of 1.0 years. The shape of this function within 0.5 each period has a typical 0.0 lengthscale of 2.2 weeks -0.5 0.9 +2.001e3 Continued on next page

Table 1: Share components

Table 1 – Continued from previous page

Description	XOM	С
•This component is periodic with a period of 7.6 months. The shape of this function within each period has a typical lengthscale of 7.4 days	0 -1 -2 0.5 0.6 0.7 0.8 0.9 +2.001e3	1 0 -1 -2 -3 0.5 0.6 0.7 0.8 0.9 +2.001e3

2 Individual components

This section contains components which are differed between XOM and C. There are 1 components in total. They are will be fully described in Table 2.

Table 2: Individual components

Description	XOM	С
Plot of posterior mean and		
variance	0.5 0.6 0.7 0.8 0.9 +2.001e3	0.5 0.6 0.7 0.8 0.9 +2.001e3
•This component is periodic		
with a period of 0.8 years but		0.75
with varying amplitude. The		0.50
amplitude of the function		0.25
•		-0.25
increases linearly. The shape		-0.50
of this function within each		-0.75
period has a typical		0.5 0.6 0.7 0.8 0.9 +2.001e3
lengthscale of 4.4 months		