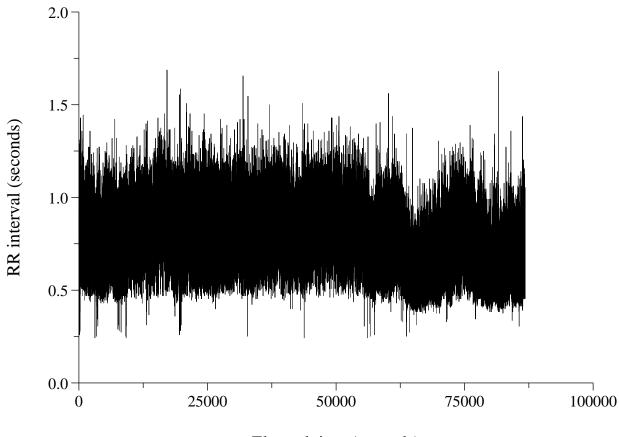a2nn.txt