# Dataset S8

# R code to more accurately estimate cycle period of HMM turnover probability time series

# HMM turnover probabilities should be placed in the data frame “turnProb”

# Download these data from the Astrochron server

turnProb=getData(“graptolite”)

# Load the library Astrochron

library(astrochron)

# Conduct MTM spectral analysis with LOWSPEC background, and a finer frequency grid

specLow2=lowspec(turnProb, detrend=T, tbw=2, padfac=10, pl=2, xmax=2, sigID=F, output=1)