

I processed the models M10.3, M11.1 and M11.2 With the program “max2curve” I had a look at the H/V-frequency plots for all possible combinations of the following parameter-values:  $m=4, 8, 16$ ;  $\text{data-length}=810\text{s}, 2430\text{s}, 7290\text{s}$ ;  $\text{nppm}=5, 10, 20$ . I didn't use the “grid statistics”, but, if it was possible, picked my curves directly from the H/V-frequency plot with the option “pick”. Then I plotted for each model all my picked curves three times (Figures 1-3). Once the different colours distinguish between different values for  $m$  (a), once between different values for  $\text{data-length}$  (b) and once between different values for  $\text{nppm}$  (c).

I was able to find satisfying results for the right flank of the fundamental mode first maxima for the models M10.3 and M11.2, but for the model M11.1 all my picked curves had much to high values. The preferred parameter-values for each model are shown in table 1. After processing these three models, I would suggest to use the following parameter settings: morlet parameter  $m \geq 8$ ,  $\text{data length} \geq 2430\text{s}$  and  $\text{nppm}=5$ .

Table 1: Preferred parameter values for the processed models.

Model	$m$	data length	nppm
M10.3	16	7290s	5
M11.1	-	2430s or 7290s	5
M11.2	8	7290s	-

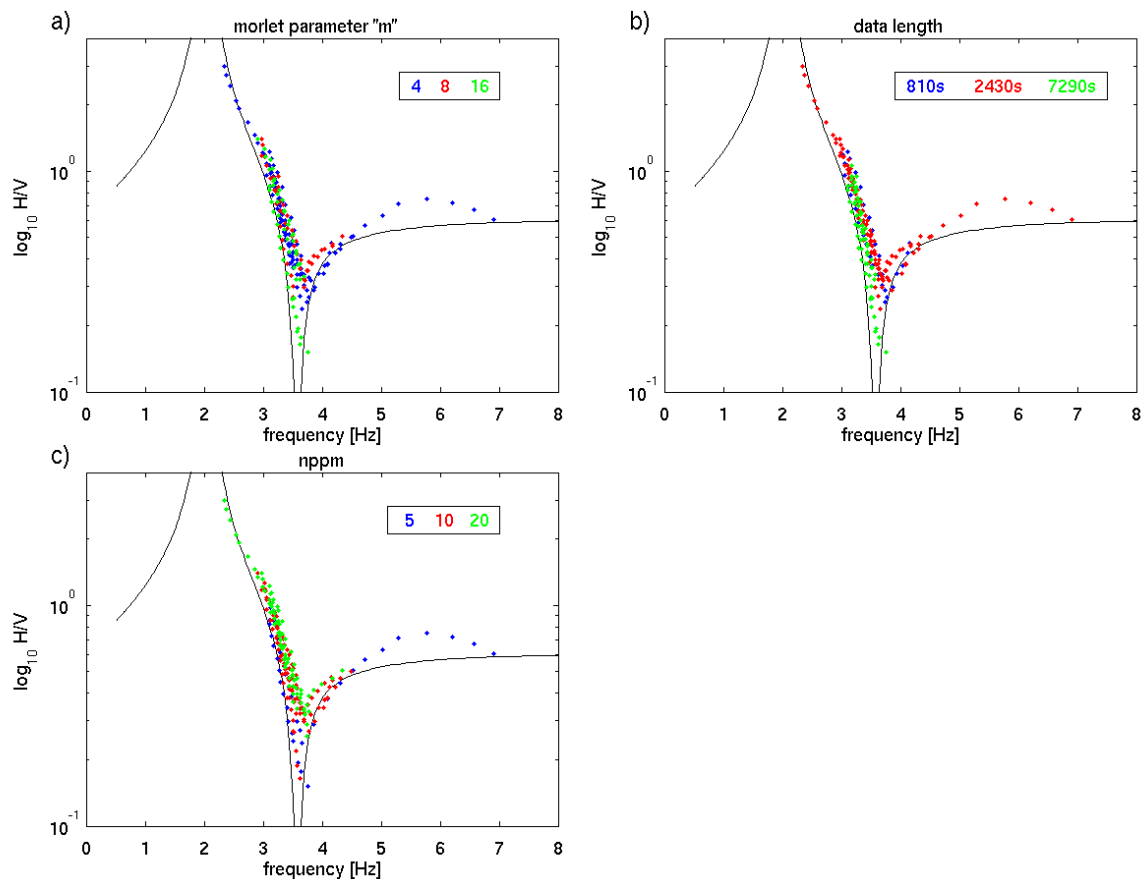


Figure 1: Picked curves for model M10.3 (in colours) compared to the theoretical ellipticity of the fundamental mode (black).

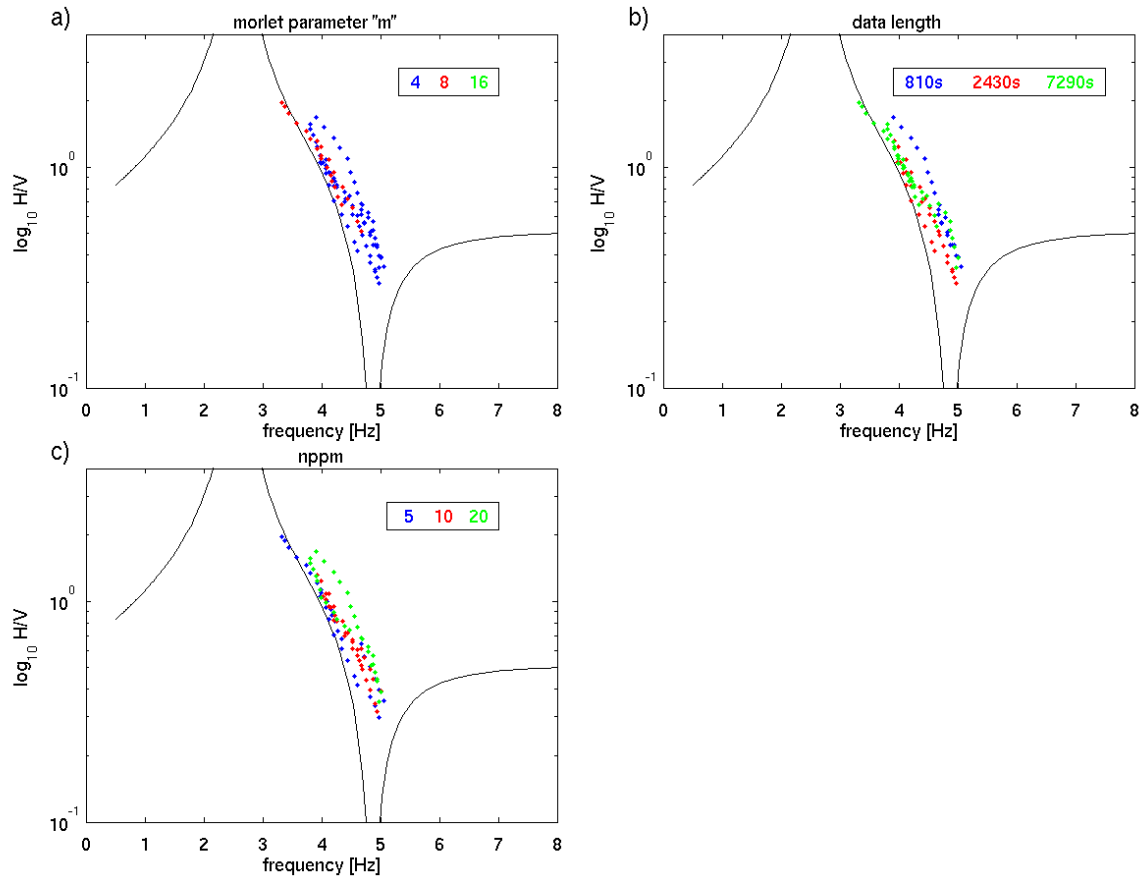


Figure 2: Picked curves for model M11.1 (in colours) compared to the theoretical ellipticity of the fundamental mode (black).

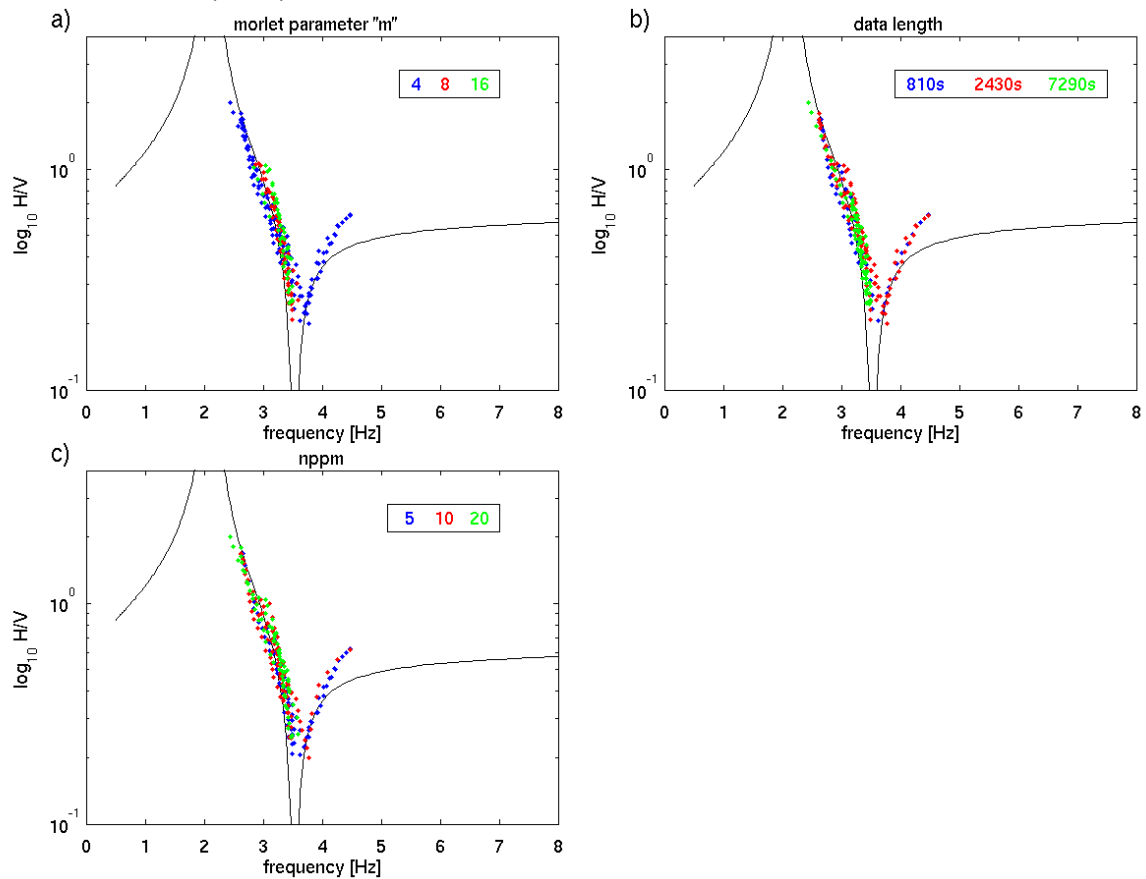


Figure 3: Picked curves for model M11.2 (in colours) compared to the theoretical ellipticity of the fundamental mode (black).