



Chandler wobble. Fourier synthesis result (sum of sines)

For  $f_s=365.25$  and reference 1<sup>st</sup> Jan 1992

period	1.186735	1.000425	92.886621	6.391562
amplitude	0.139340	0.074000	0.074791	0.028938
phase	1.699894	5.076227	5.131388	5.189570

Upper is actual data.

Thick green is sum of 1 and 1.18

Beat frequency in periods is  $p1 \cdot p2 / (p1 - p2) = 6.37$  compare above component 6.39 which cannot be a coincidence