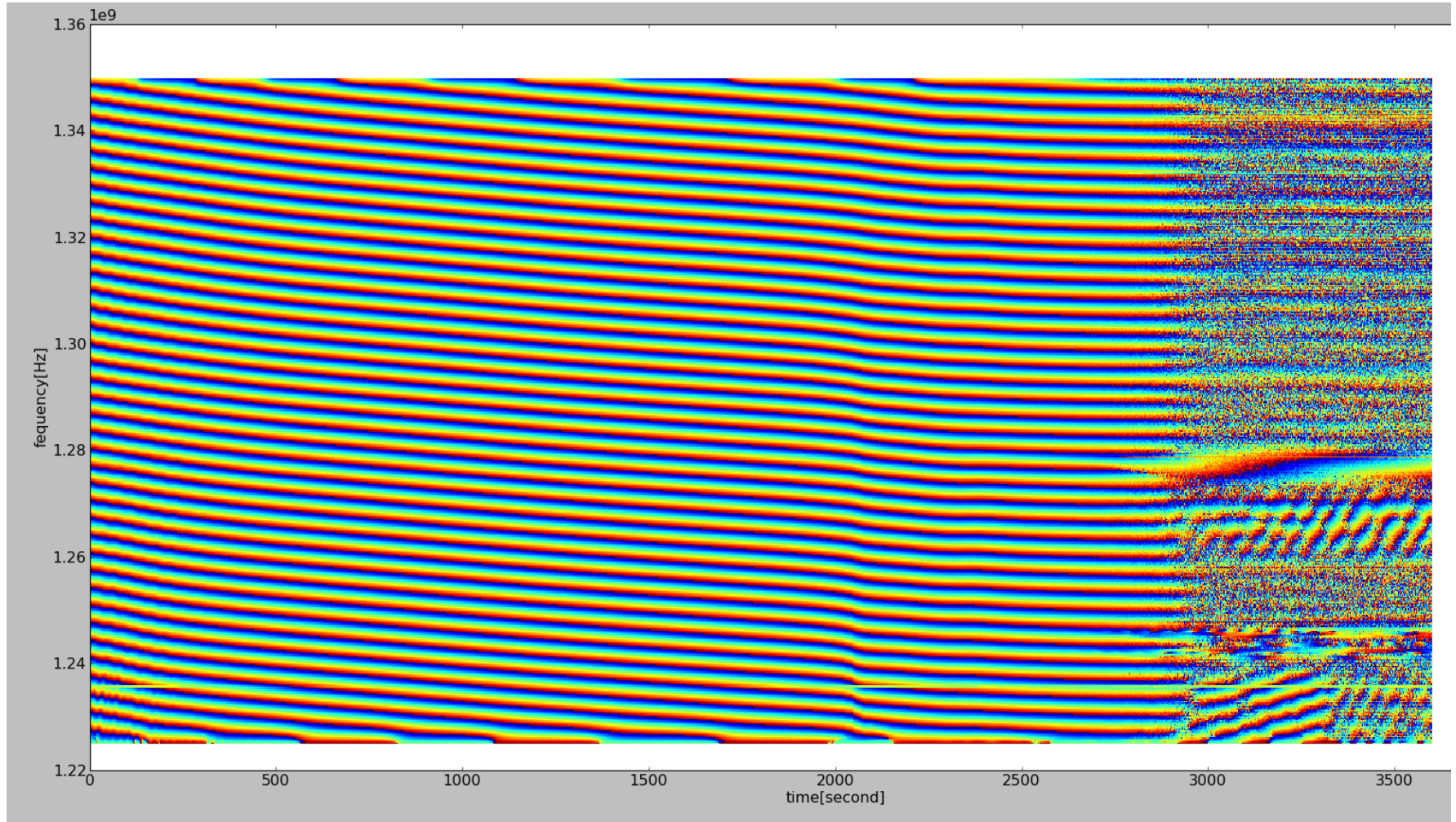


Preliminary result of Baiqi experiment

puzzles and unsolved problems



2D-Global fitting Vs twice 1D fitting

$$Visibility = A * Exp\left[i \frac{2\pi \vec{B} \vec{n}(t) v}{c} + \phi_1 v + \phi_0\right]$$

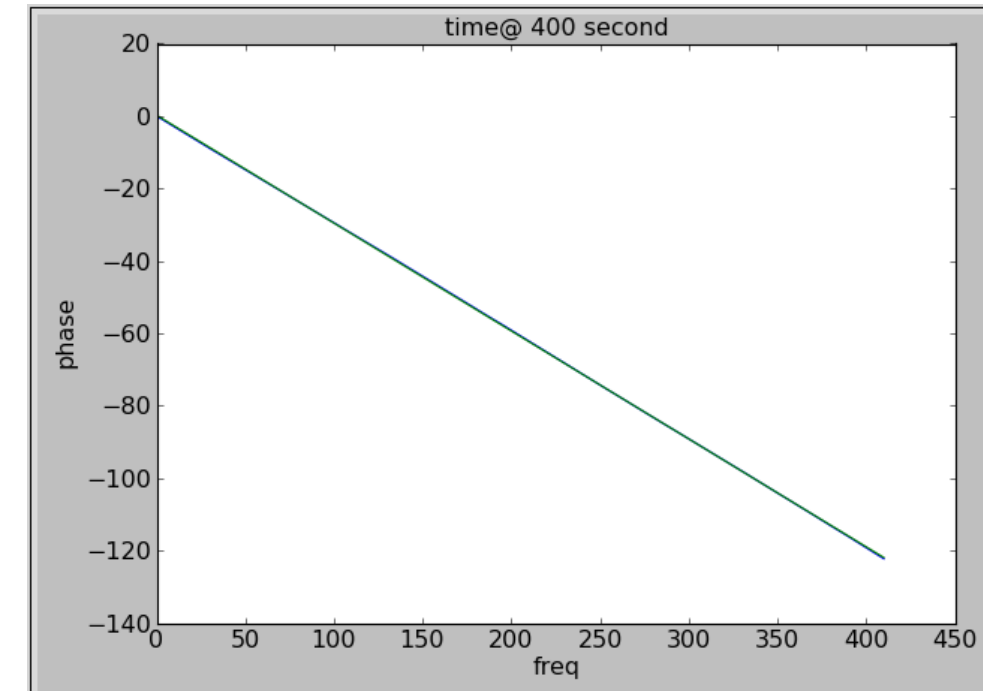
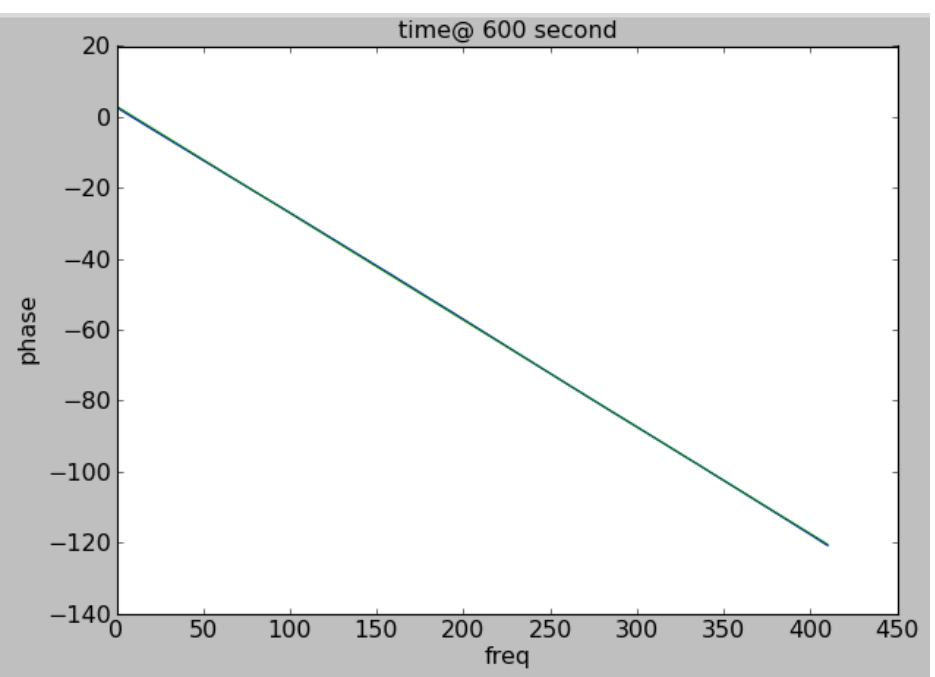
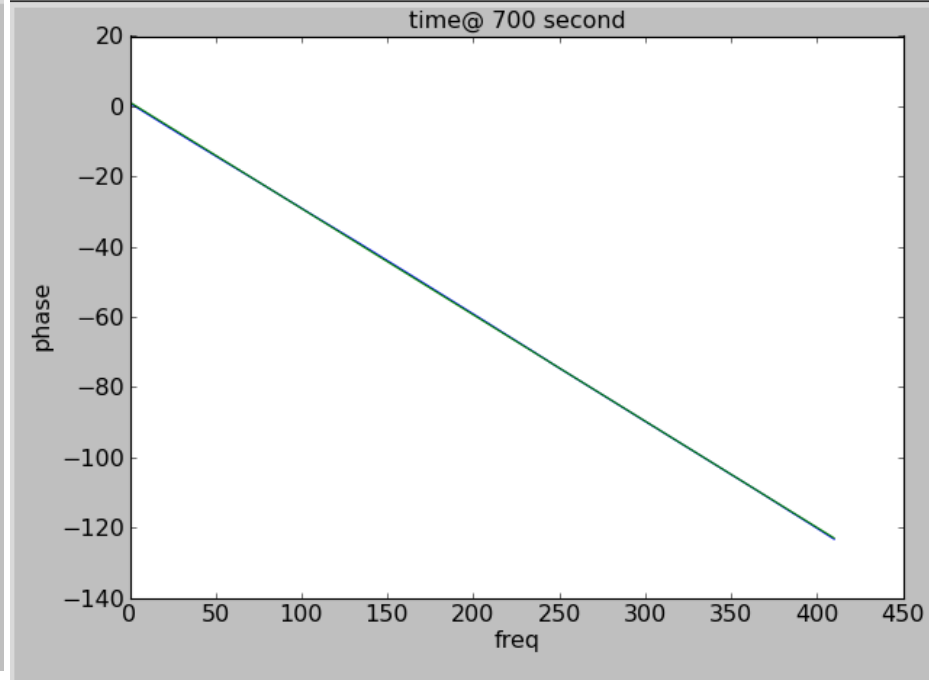
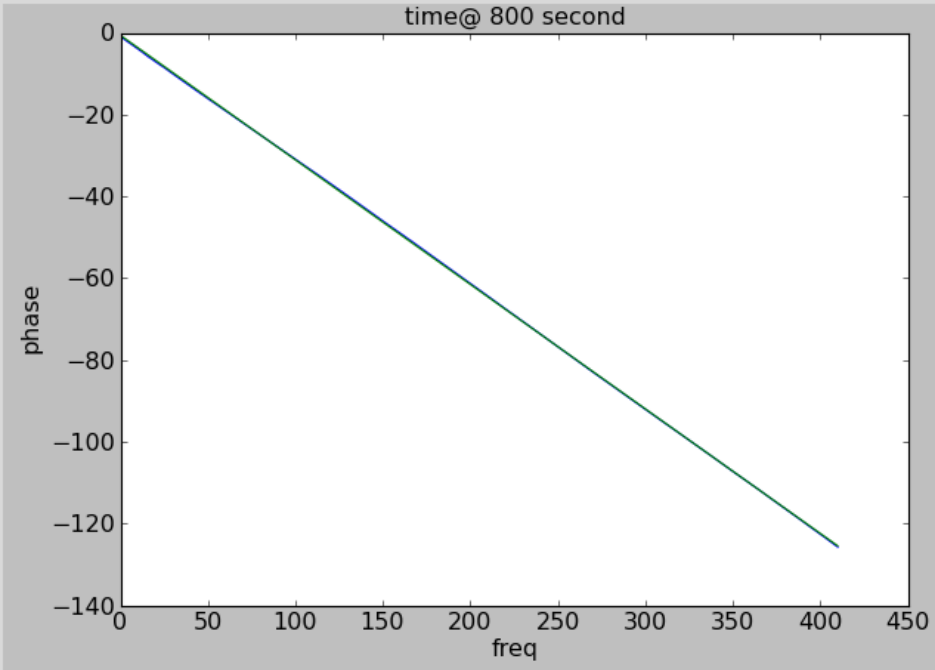
Twice 1D fitting

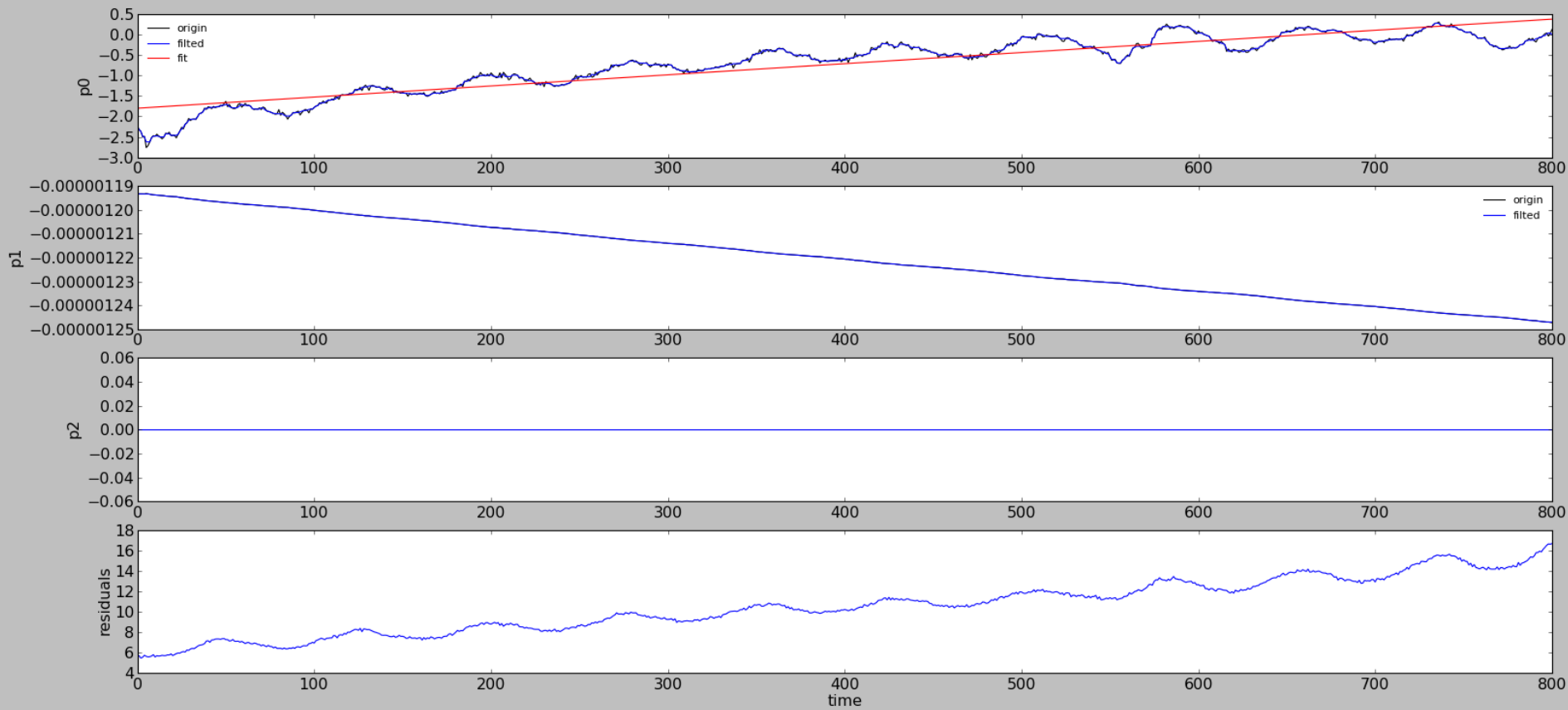
(1) Polynomial fitting($\varphi_0 + \varphi_1 v + \varphi_2 v^2 + \dots$)

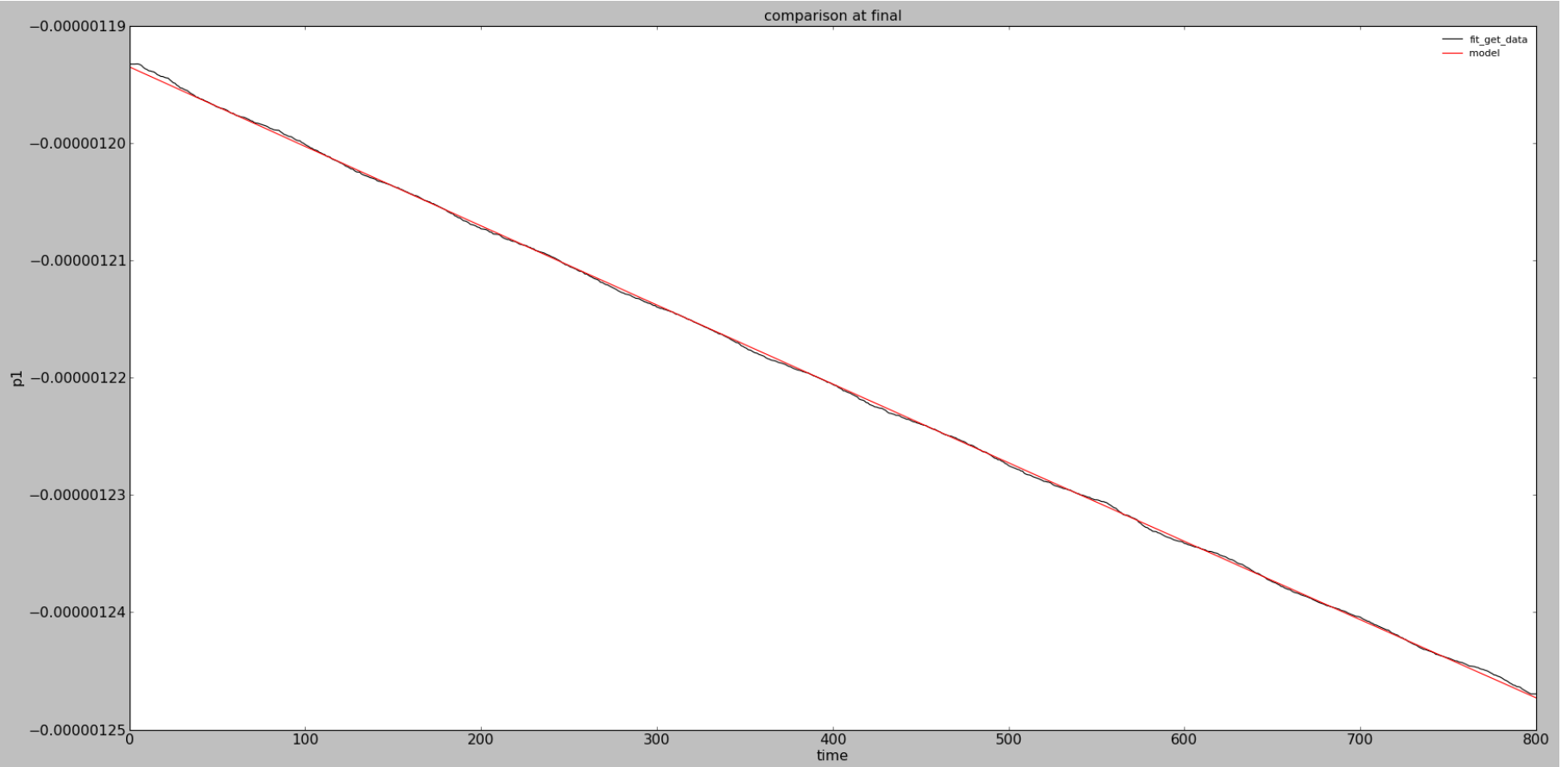
at each time point, we could get the temporal evolution of $\varphi_0(t)$ $\varphi_1(t)$

(2) Fit $\varphi_1(t)$

Fitting parameters: $|B|$, direction of base line(phi, theta), time offset of system,
phi_1, phi_0







time@ 1000 second

