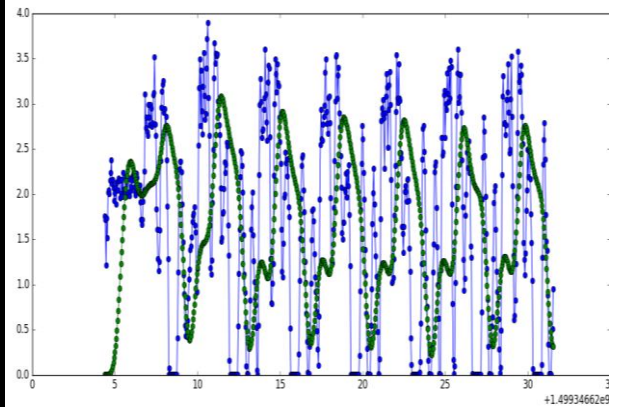1 Sigma_S = 5, frequency = 0.293


```
('real time frequency :', 0.27034333596706689)
('real time frequency :', 0.27034333596706689)
('real time frequency :', 0.27034333596706689)
('real time frequency :', 0.27184993467551399)
('real time frequency :', 0.27184993467551399)
('real time frequency :', 0.27184993467551399)
('real time frequency :', 0.27184993467551399)
('real time frequency :', 0.27184993467551399)
('real time frequency :', 0.27184993467551399)
('real time frequency :', 0.27184993467551399)
('real time frequency :', 0.27337342867295616)
('real time frequency :', 0.27337342867295616)
('real time frequency :', 0.27487630479777087)
('real time frequency :', 0.27800945210025257)
('real time frequency :', 0.2796420507824226)
('real time frequency :', 0.28121484859649165)
('real time frequency :', 0.28445455282834758)
('real time frequency :', 0.28612303251377941)
('real time frequency :', 0.29303415927019799)
('mean frequency:', 0.9507549405097961)
('whole frequency :', 0.29303415927019799)
('total steps:', 8)
```
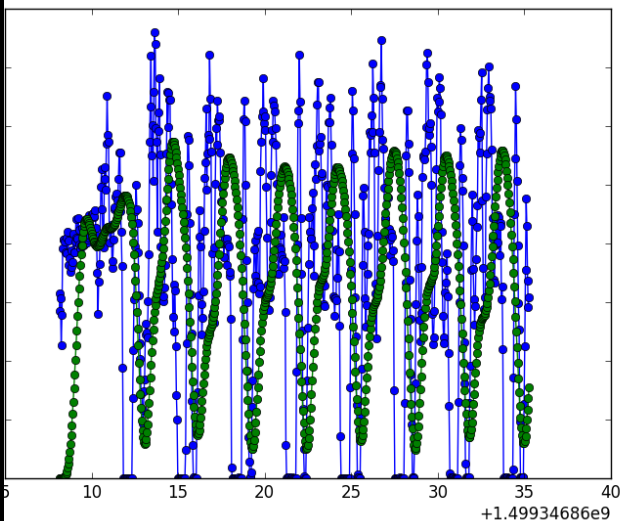
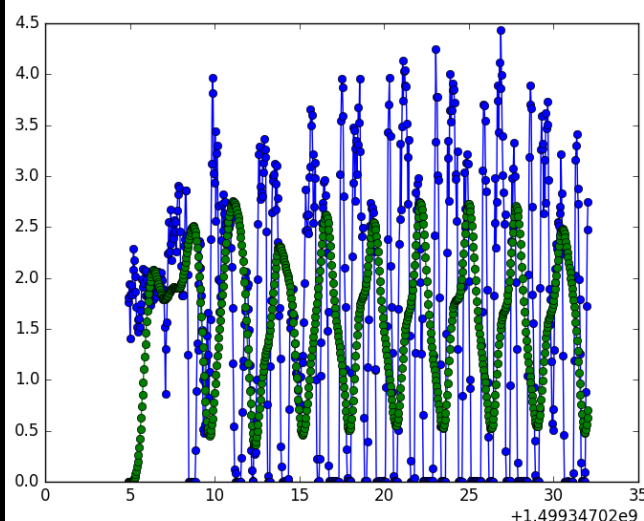2, Sigma_S = 6, frequency = 0.375


```
('real time frequency :', 0.31826861069619933)
('real time frequency :', 0.32041011967298538)
('real time frequency :', 0.32041011967298538)
('real time frequency :', 0.32041011967298538)
('real time frequency :', 0.32041011967298538)
('real time frequency :', 0.32041011967298538)
('real time frequency :', 0.32041011967298538)
('real time frequency :', 0.32041011967298538)
('real time frequency :', 0.32041011967298538)
('real time frequency :', 0.32041011967298538)
('real time frequency :', 0.32041011967298538)
('real time frequency :', 0.32041011967298538)
('real time frequency :', 0.32041011967298538)
('real time frequency :', 0.32041011967298538)
('real time frequency :', 0.31826861069619933)
('real time frequency :', 0.31826861069619933)
('real time frequency :', 0.31826861069619933)
('real time frequency :', 0.31826861069619933)
('real time frequency :', 0.37501562451848619)
('mean frequency:', 1.5455507040023804)
('whole frequency :', 0.37501562451848619)
('total steps:', 10)
```

3, Sigma_S = 7, frequency = 0.415

```
('real time frequency :', 0.36558616309888142)
('real time frequency :', 0.36746693716253909)
('real time frequency :', 0.3711952588626401)
('real time frequency :', 0.37883571586827552)
('real time frequency :', 0.36029545006200131)
('real time frequency :', 0.36029545006200131)
('real time frequency :', 0.36029545006200131)
('real time frequency :', 0.36029545006200131)
('real time frequency :', 0.36029545006200131)
('real time frequency :', 0.36029545006200131)
('real time frequency :', 0.36029545006200131)
('real time frequency :', 0.36029545006200131)
('real time frequency :', 0.36029545006200131)
('real time frequency :', 0.36029545006200131)
('real time frequency :', 0.36029545006200131)
('real time frequency :', 0.36029545006200131)
('real time frequency :', 0.36029545006200131)
('real time frequency :', 0.36029545006200131)
('real time frequency :', 0.4145421398144154)
('mean frequency:', 2.7496807257522583)
('whole frequency :', 0.4145421398144154)
('total steps:', 11)
```


4, Sigma_S = 7, frequency = 0.452

```
('real time frequency :', 0.37888355727506529)
('real time frequency :', 0.37888355727506529)
('real time frequency :', 0.37888355727506529)
('real time frequency :', 0.37888355727506529)
('real time frequency :', 0.37888355727506529)
('real time frequency :', 0.37888355727506529)
('real time frequency :', 0.37888355727506529)
('real time frequency :', 0.37888355727506529)
('real time frequency :', 0.37888355727506529)
('real time frequency :', 0.37888355727506529)
('real time frequency :', 0.37888355727506529)
('real time frequency :', 0.38304392153021138)
('real time frequency :', 0.39957378075239985)
('real time frequency :', 0.40171397030999173)
('real time frequency :', 0.40387722277661359)
('real time frequency :', 0.40387722277661359)
('real time frequency :', 0.40606388675595123)
('real time frequency :', 0.40832992379951527)
('real time frequency :', 0.40832992379951527)
('real time frequency :', 0.45219107174267525)
('mean frequency:', 0.014802293851921626)
('whole frequency :', 0.45219107174267525)
('total steps:', 12)
```