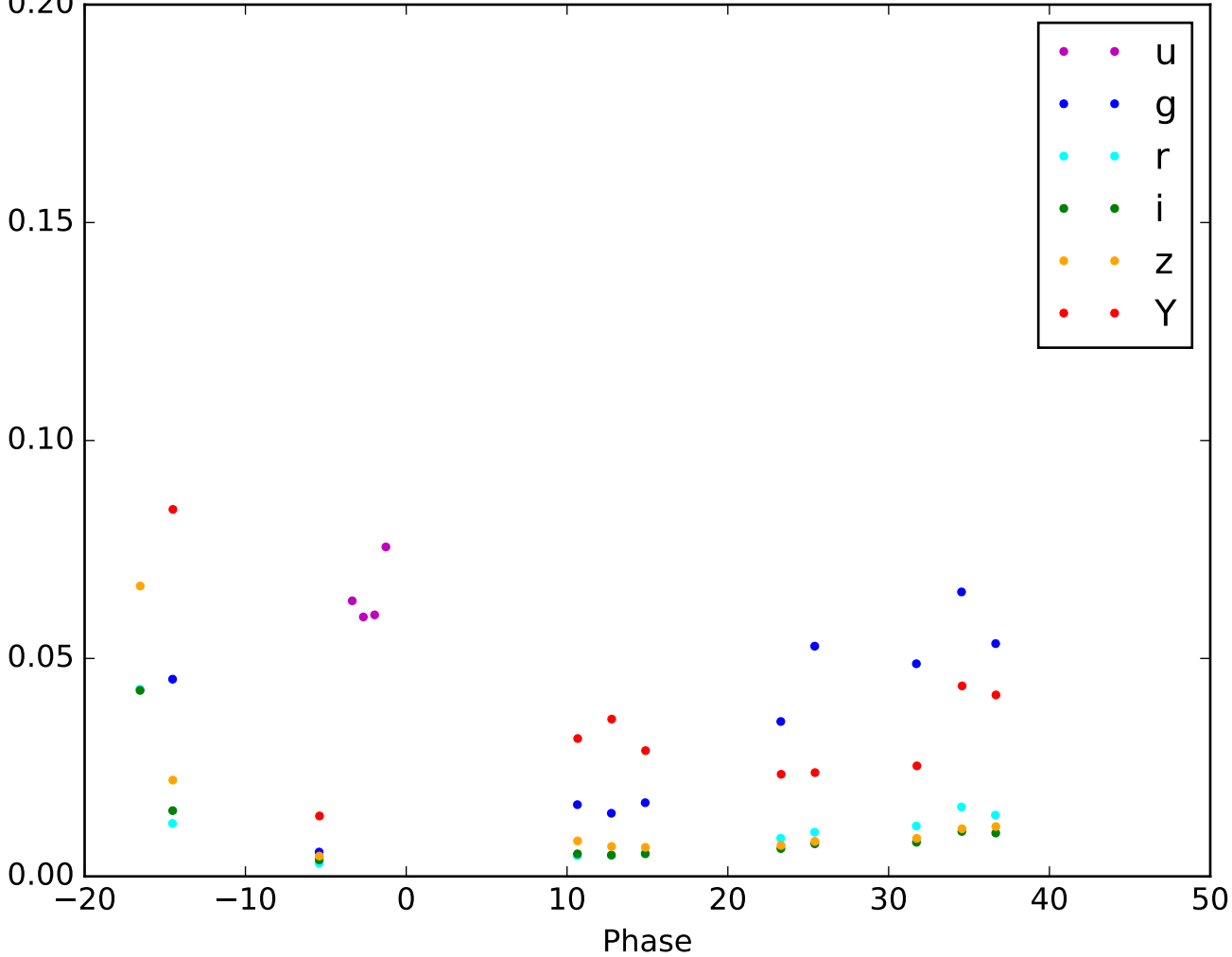
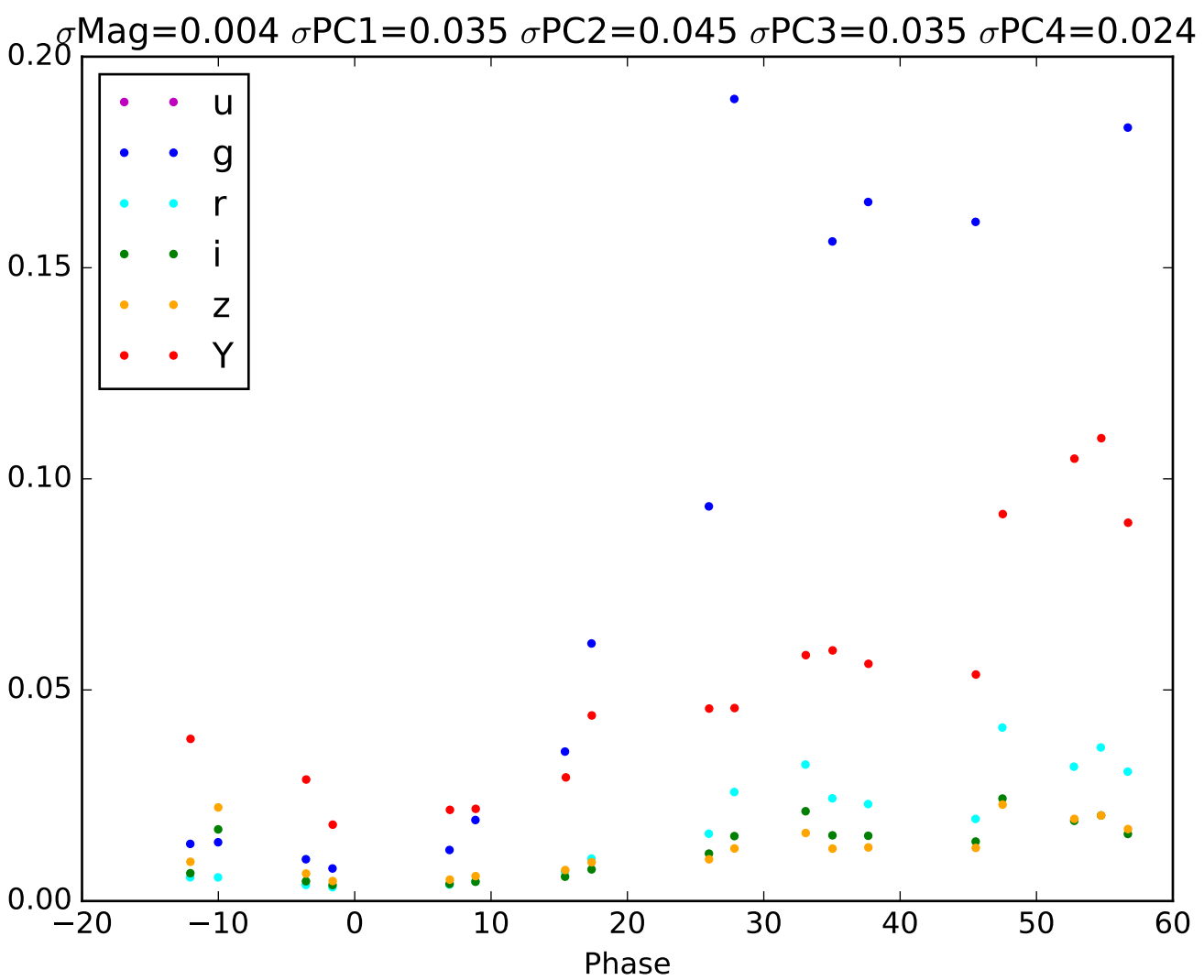


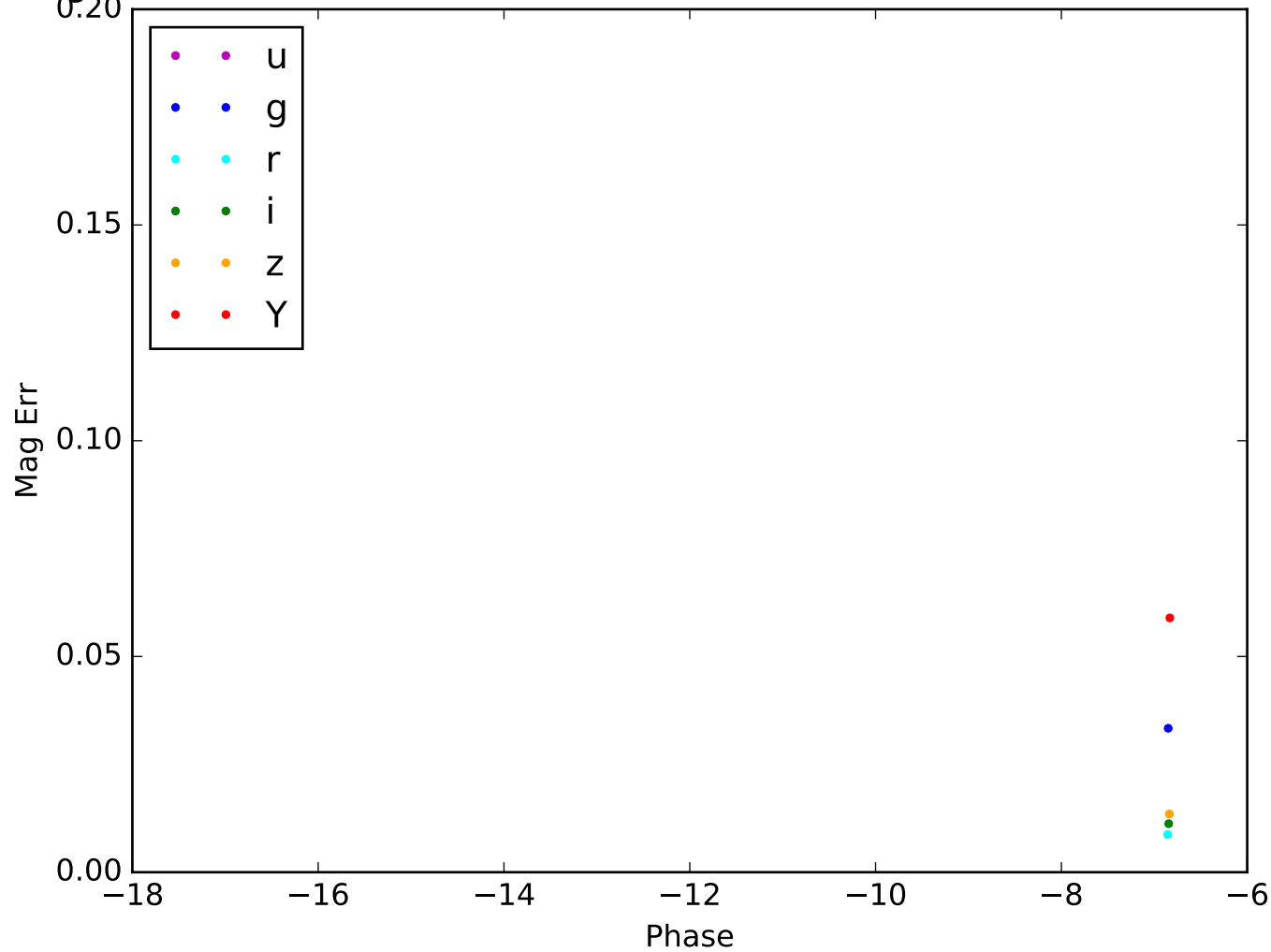
$\sigma_{\text{Mag}}=0.009$ $\sigma_{\text{PC1}}=0.083$ $\sigma_{\text{PC2}}=0.095$ $\sigma_{\text{PC3}}=0.050$ $\sigma_{\text{PC4}}=0.022$

Mag Err

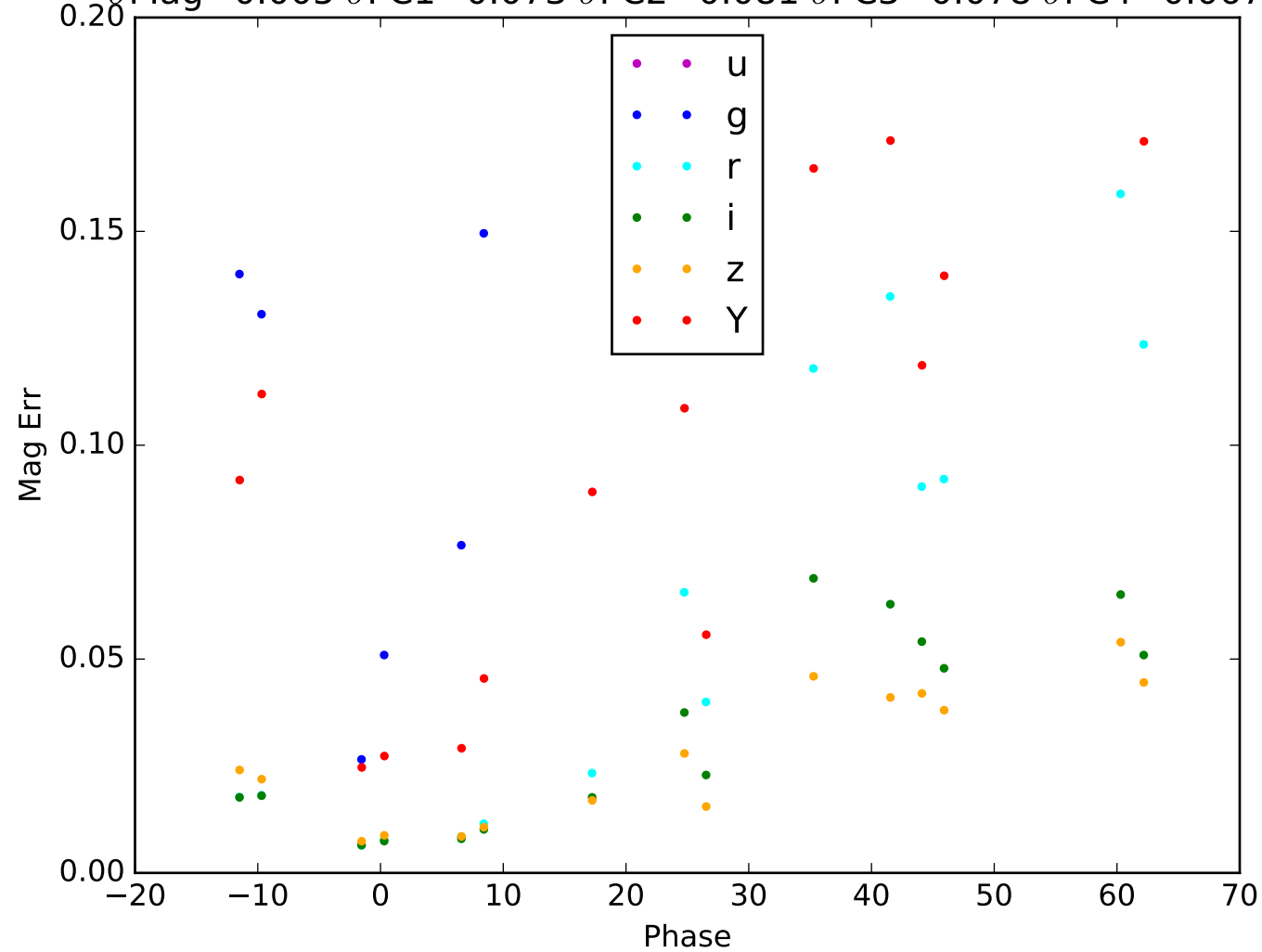




$\sigma_{\text{Mag}}=40.825$ $\sigma_{\text{PC1}}=1322.503$ $\sigma_{\text{PC2}}=721.269$ $\sigma_{\text{PC3}}=413.135$ $\sigma_{\text{PC4}}=718.404$

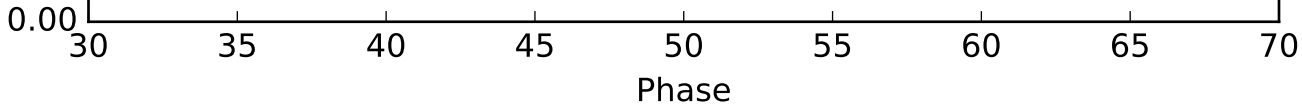
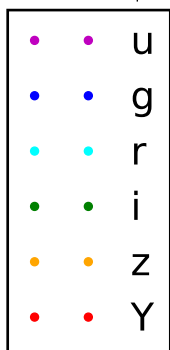


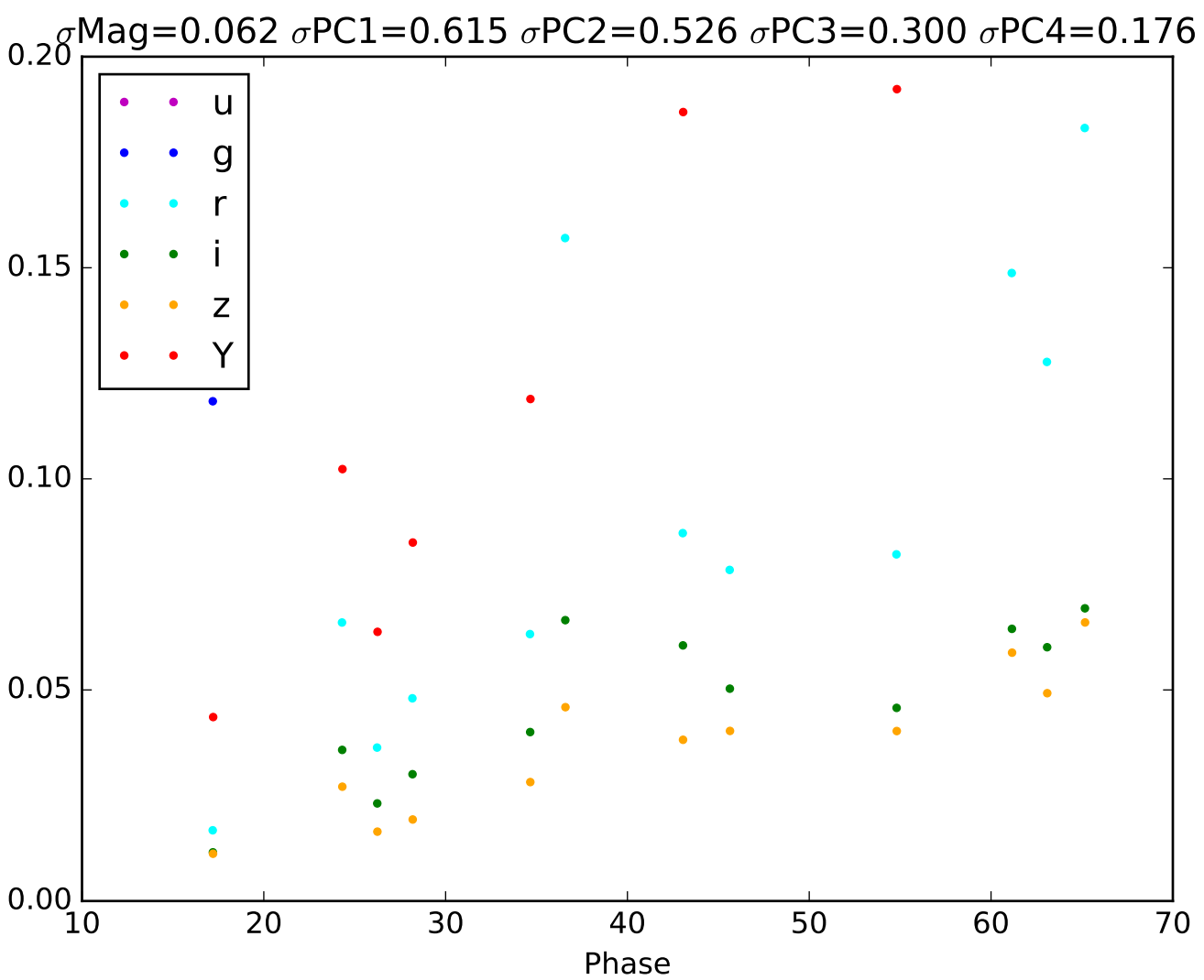
$\sigma_{\text{Mag}}=0.005$ $\sigma_{\text{PC1}}=0.073$ $\sigma_{\text{PC2}}=0.081$ $\sigma_{\text{PC3}}=0.078$ $\sigma_{\text{PC4}}=0.067$



$\sigma_{\text{Mag}}=4.512$ $\sigma_{\text{PC1}}=39.201$ $\sigma_{\text{PC2}}=22.270$ $\sigma_{\text{PC3}}=7.075$ $\sigma_{\text{PC4}}=11.267$

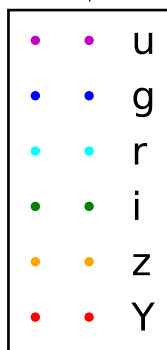
Mag Err





$\sigma_{\text{Mag}}=0.005$ $\sigma_{\text{PC1}}=0.056$ $\sigma_{\text{PC2}}=0.070$ $\sigma_{\text{PC3}}=0.057$ $\sigma_{\text{PC4}}=0.040$

Mag Err



0.20

0.15

0.10

0.05

0.00

Phase

-20

-10

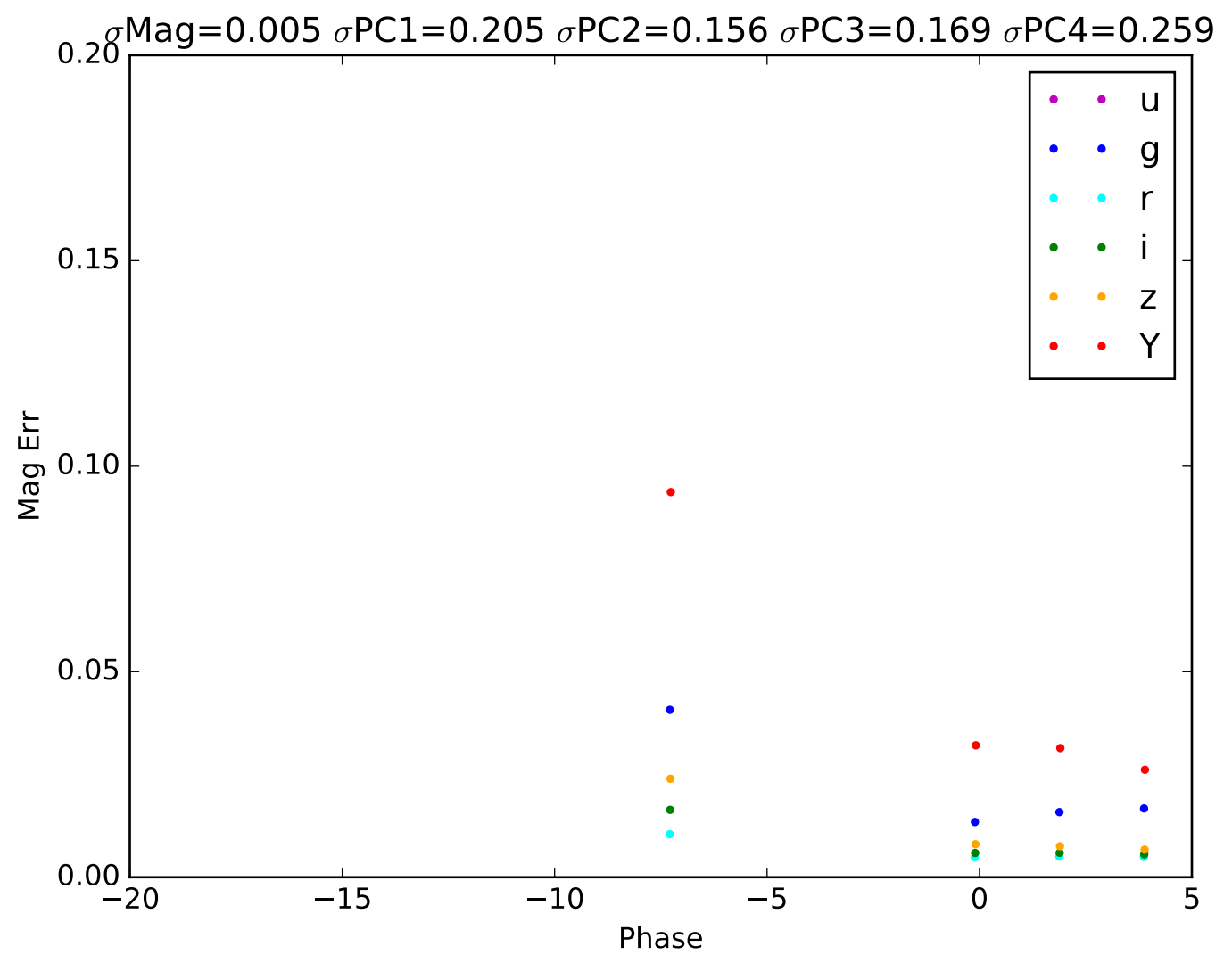
0

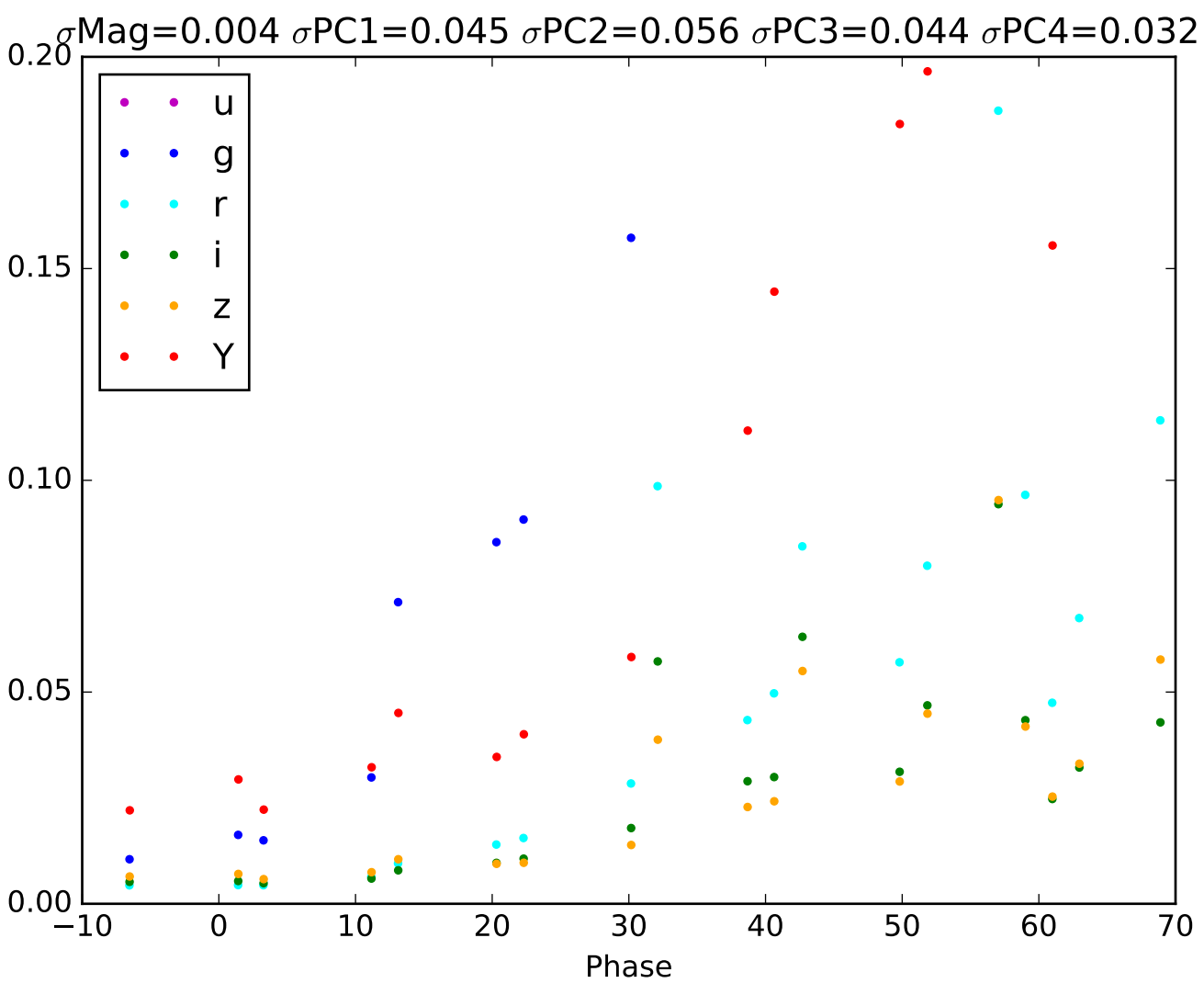
10

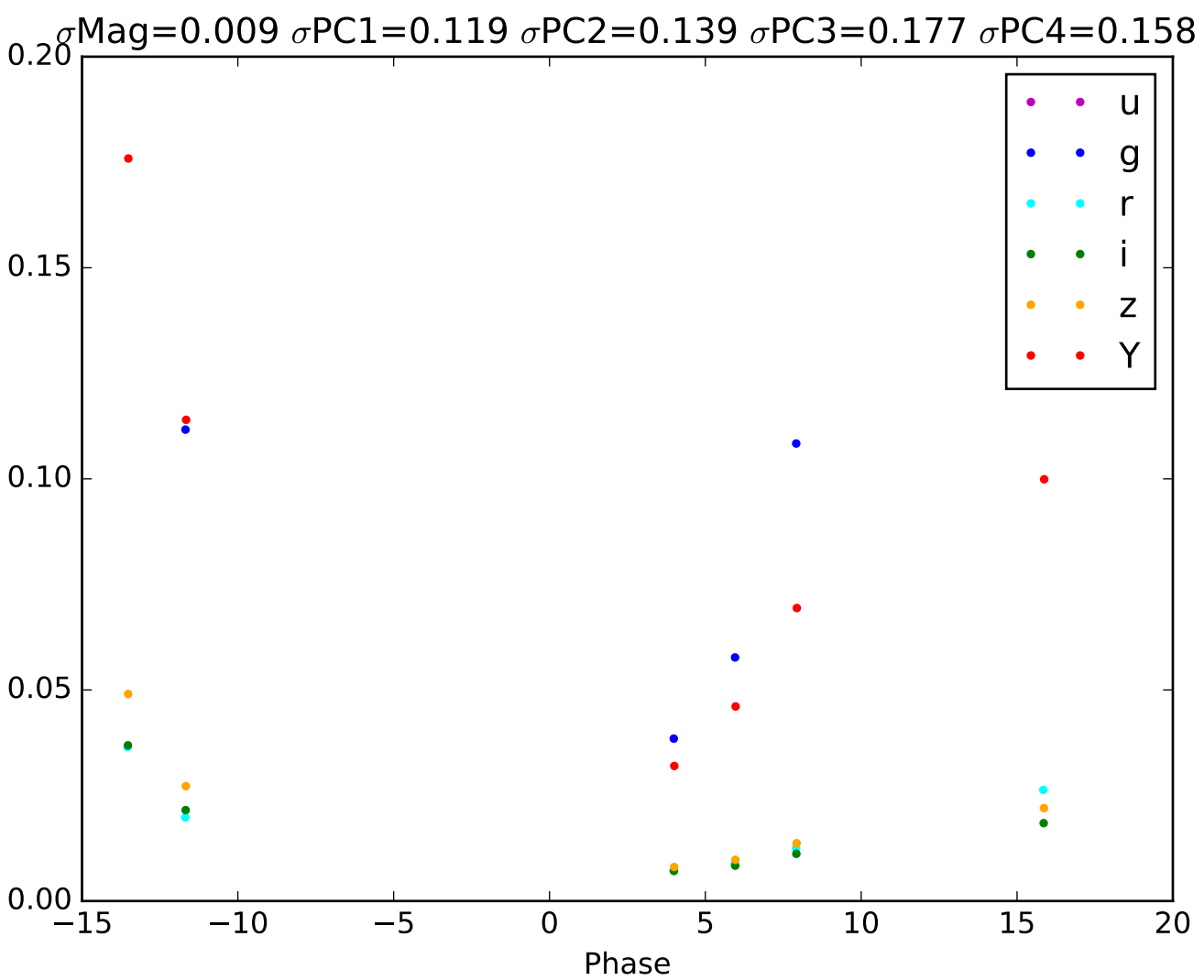
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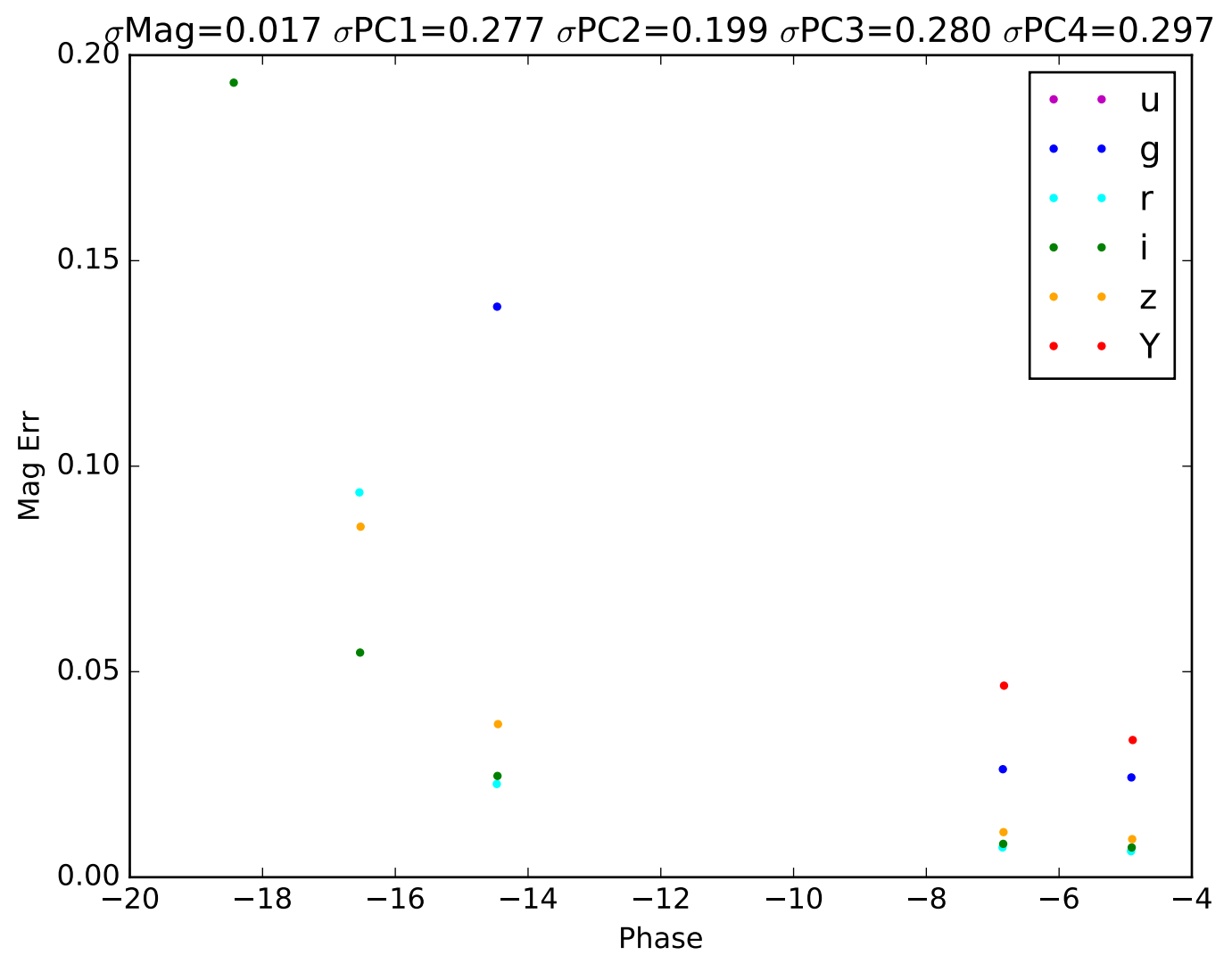
30

40



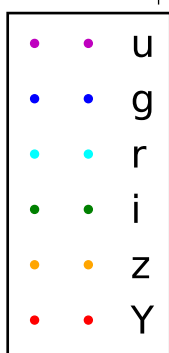






$\sigma_{\text{Mag}}=0.004$ $\sigma_{\text{PC1}}=0.041$ $\sigma_{\text{PC2}}=0.062$ $\sigma_{\text{PC3}}=0.046$ $\sigma_{\text{PC4}}=0.020$

Mag Err



0.00

0.05

0.10

0.15

0.20

Phase

0

10

20

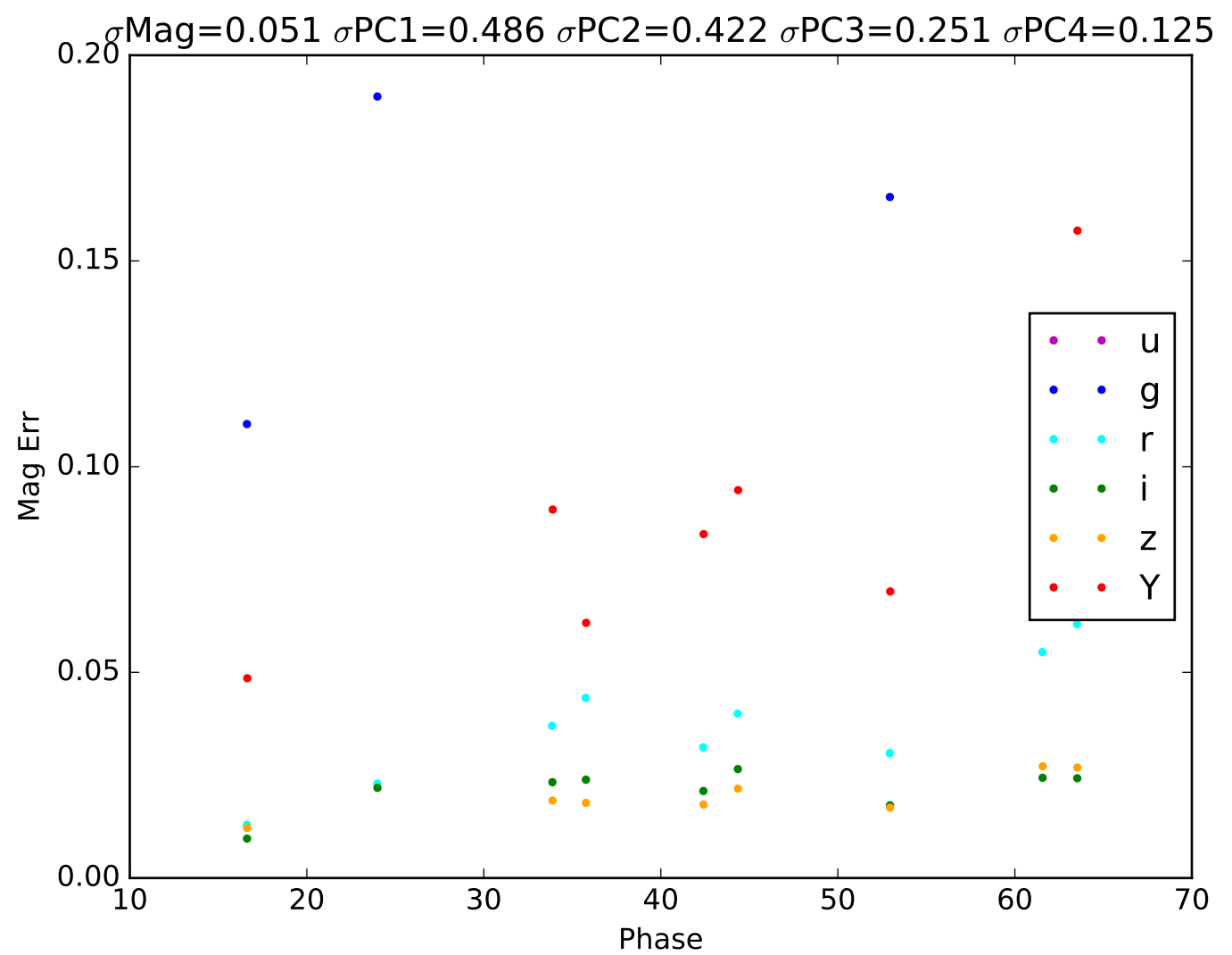
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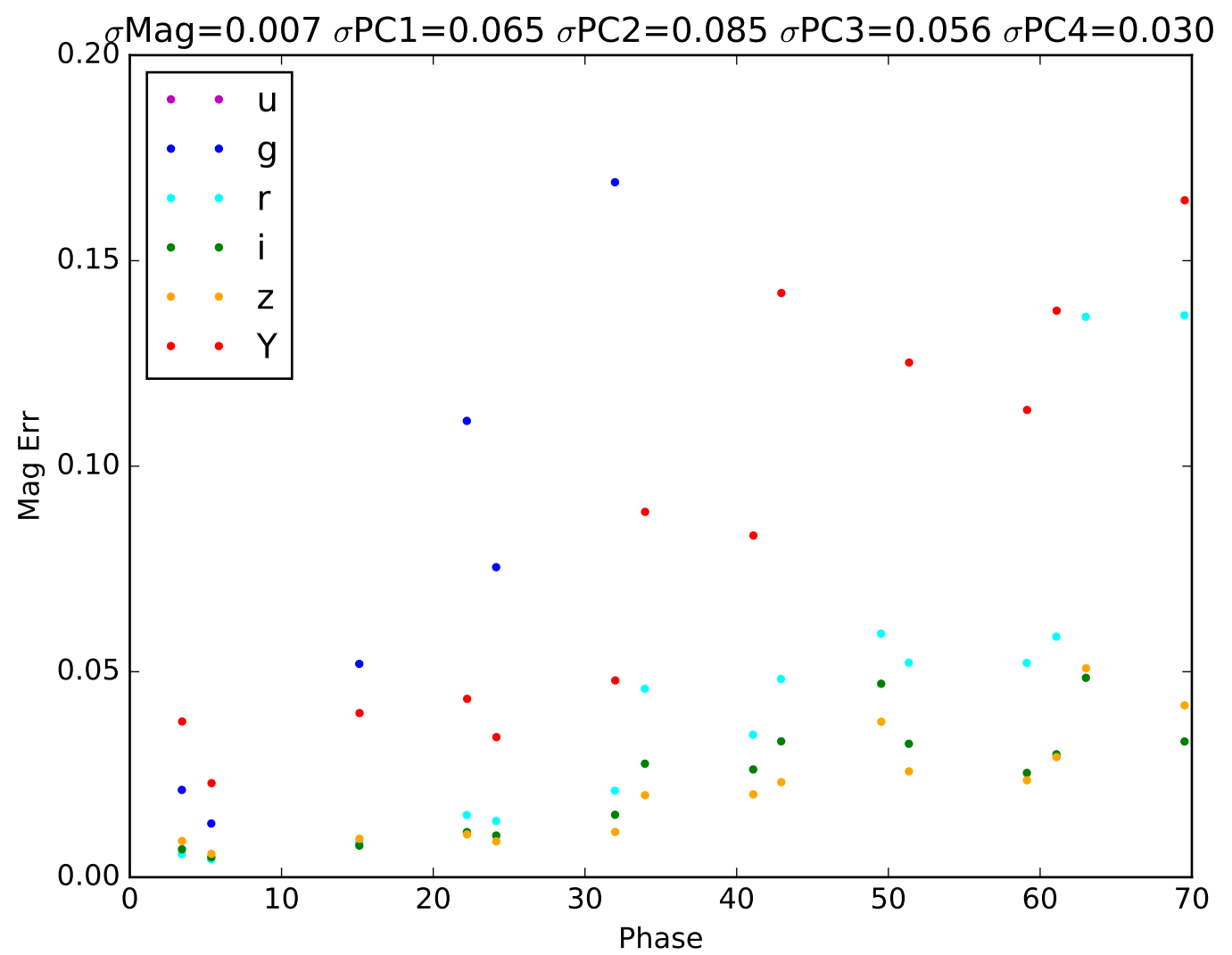
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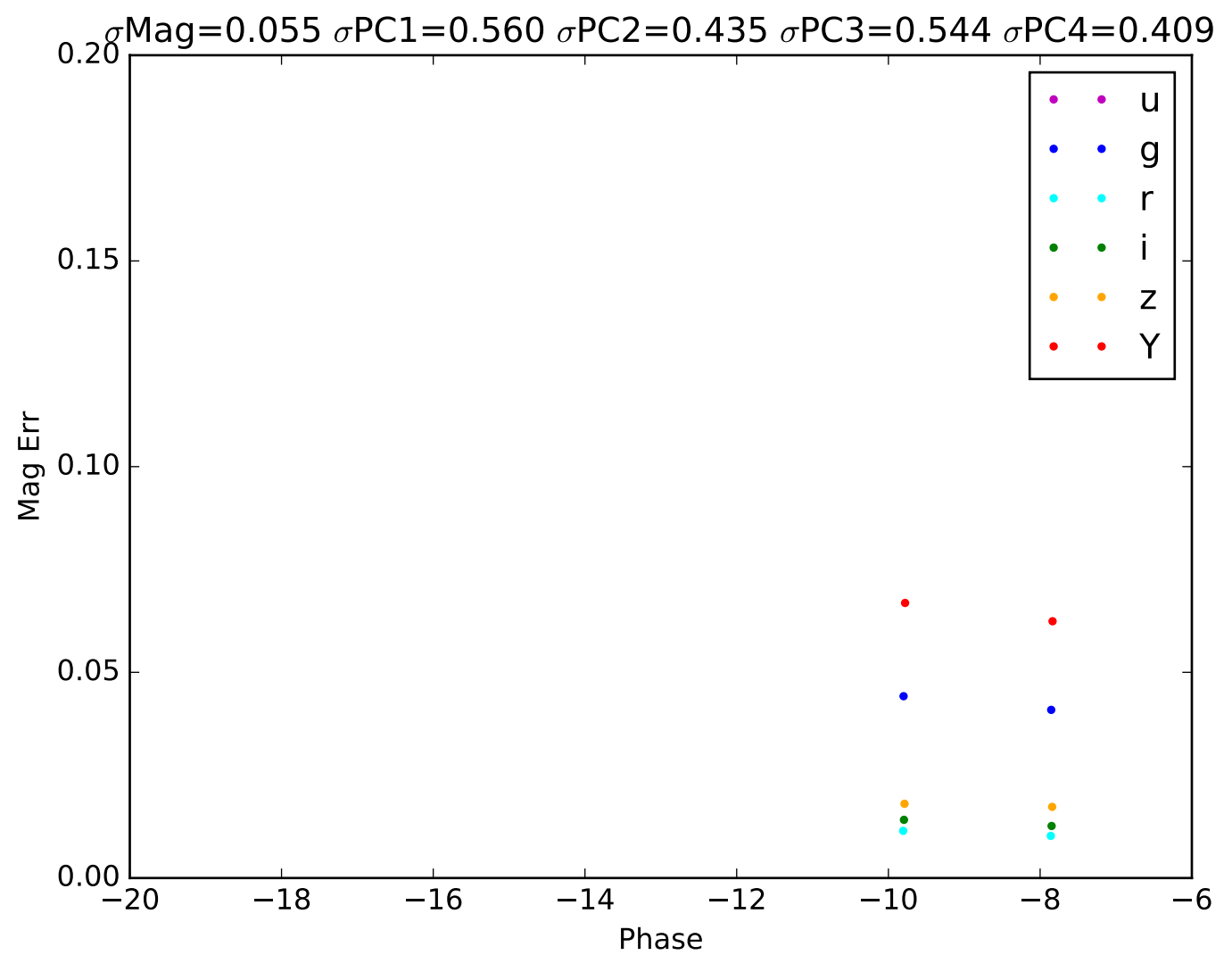
50

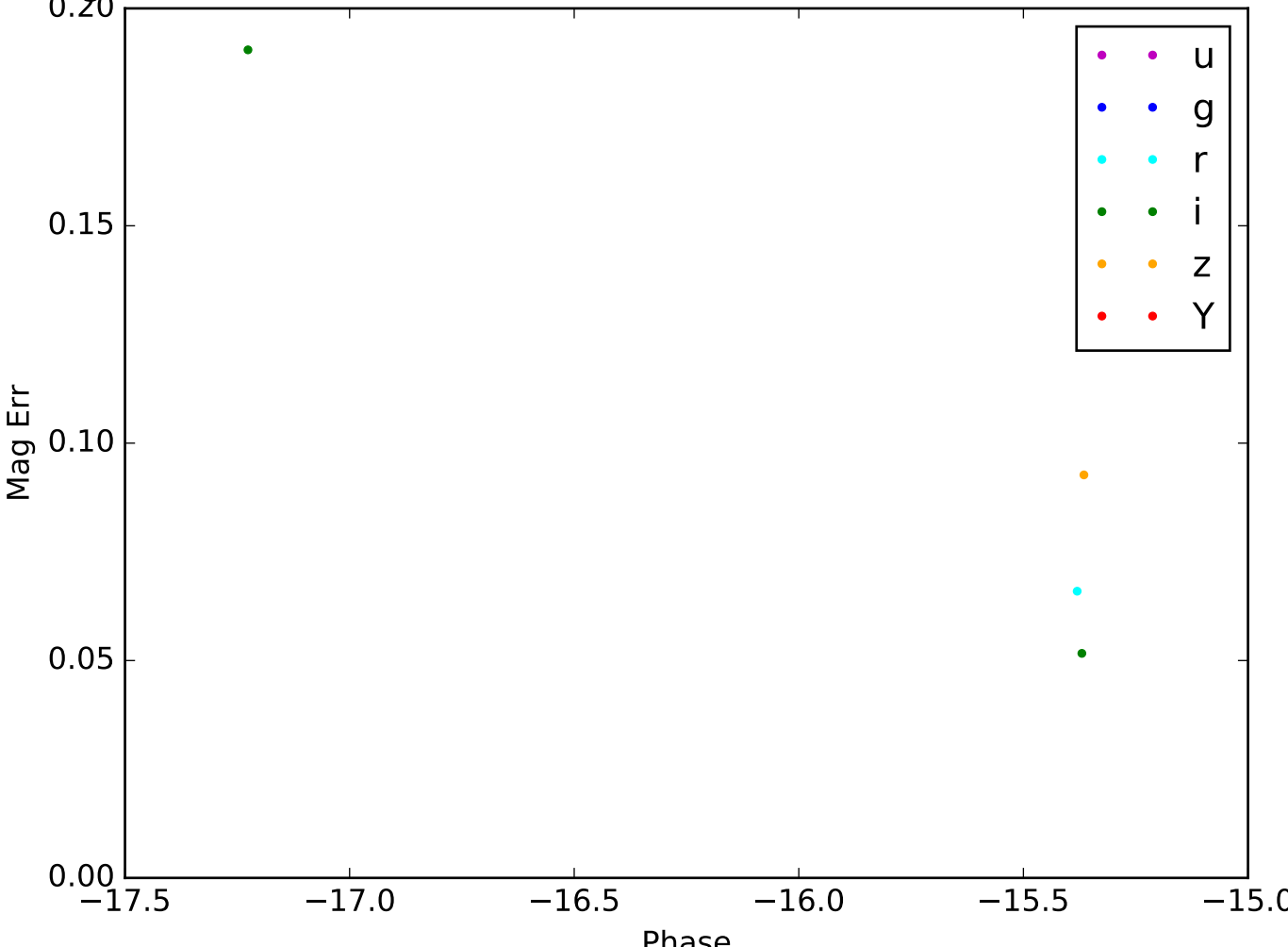
60

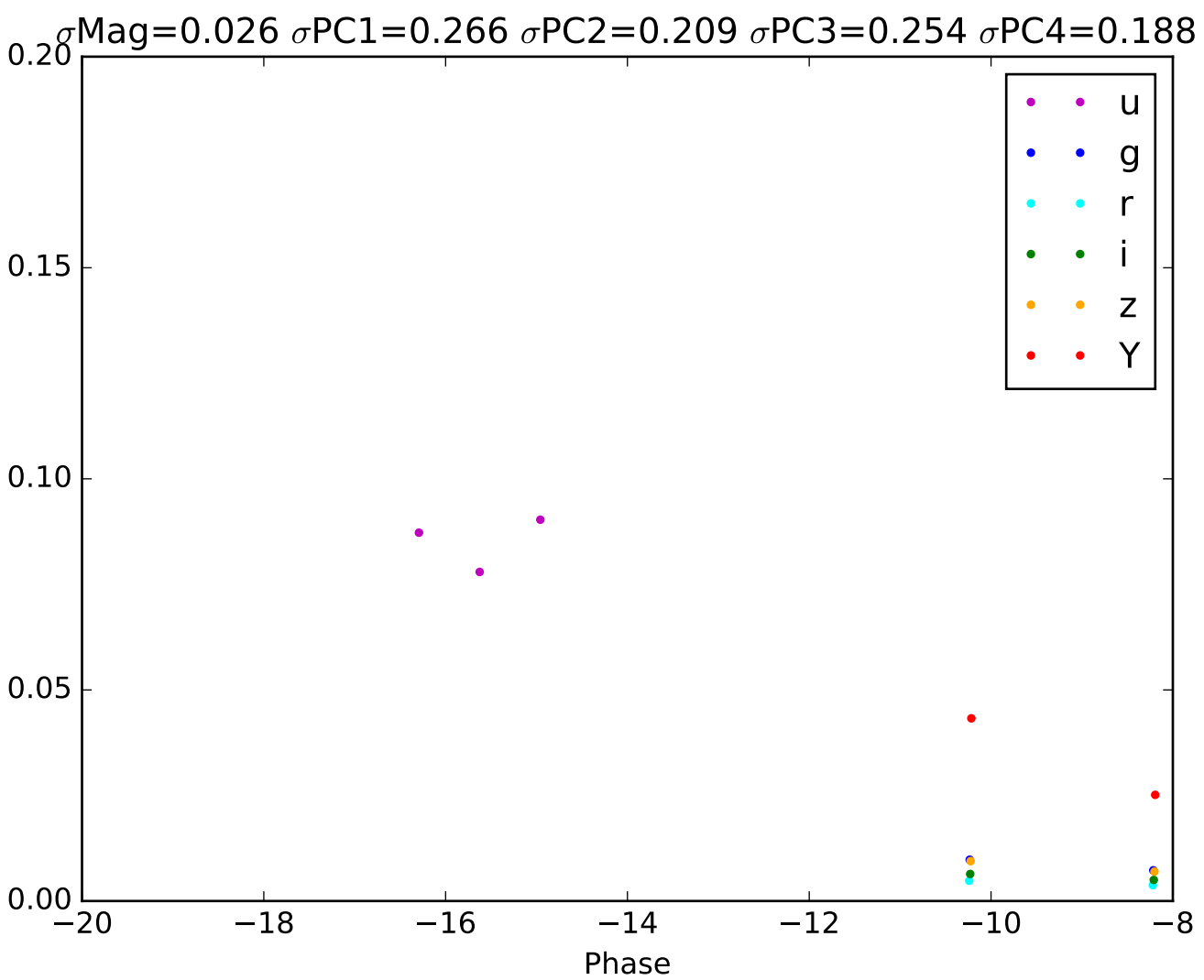
70





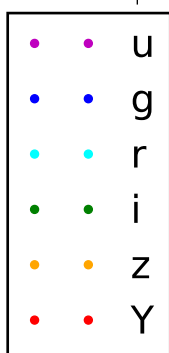


$$\sigma_{\text{Mag}}=57.735 \quad \sigma_{\text{PC1}}=638.659 \quad \sigma_{\text{PC2}}=454.894 \quad \sigma_{\text{PC3}}=22.308 \quad \sigma_{\text{PC4}}=222.231$$




$\sigma_{\text{Mag}}=0.023$ $\sigma_{\text{PC1}}=0.202$ $\sigma_{\text{PC2}}=0.219$ $\sigma_{\text{PC3}}=0.114$ $\sigma_{\text{PC4}}=0.063$

Mag Err



0.00

0.05

0.10

0.15

0.20

Phase

-10

0

10

20

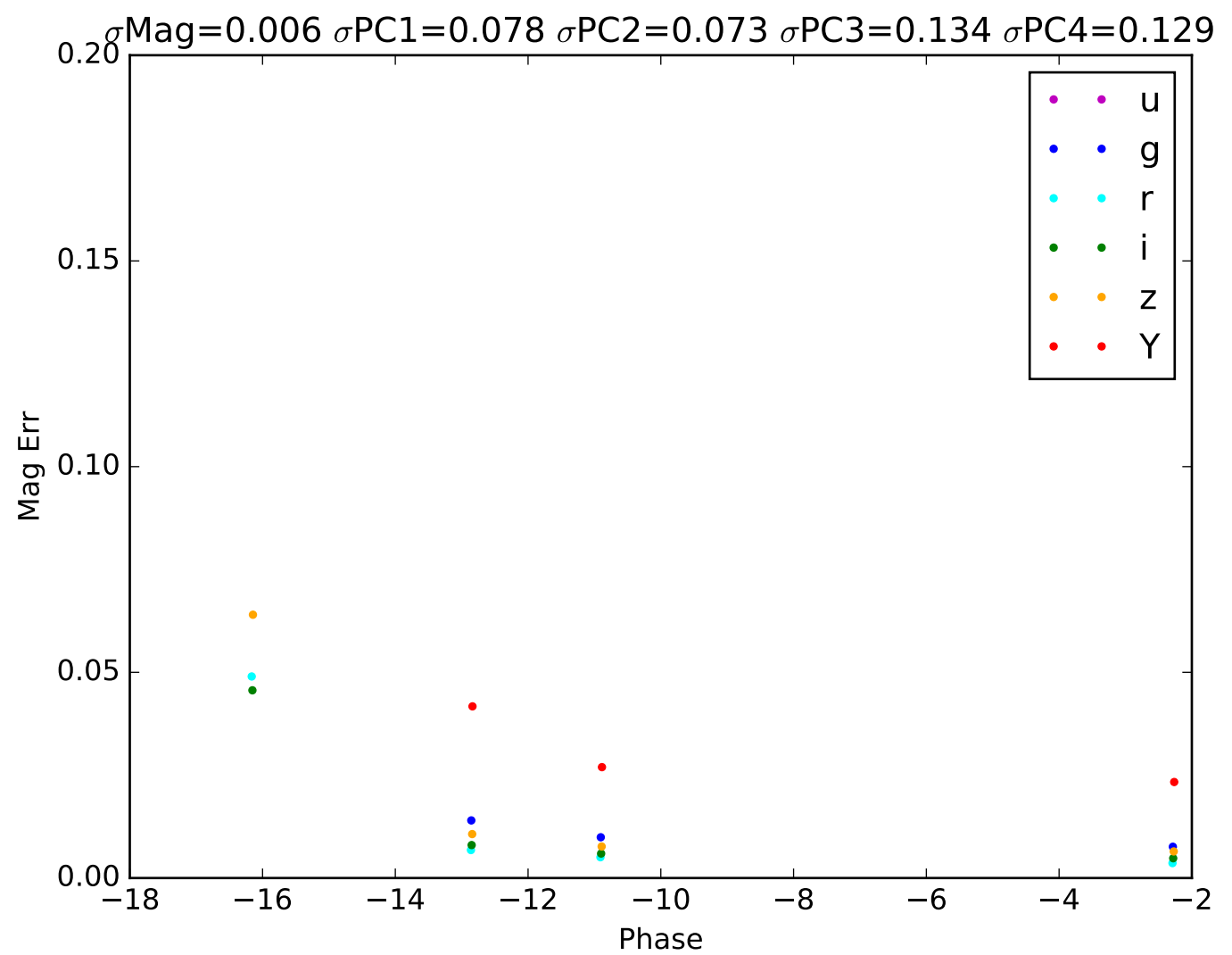
30

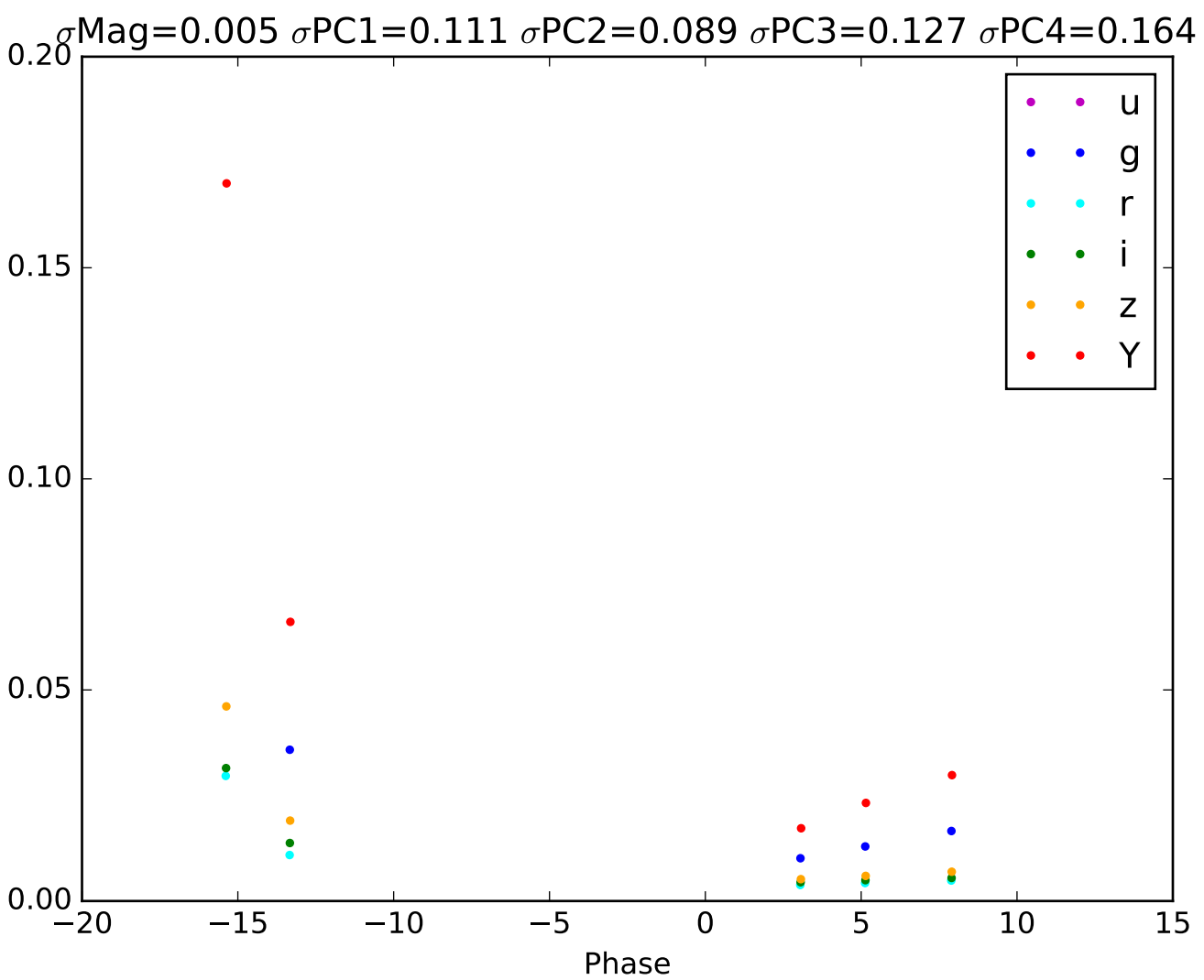
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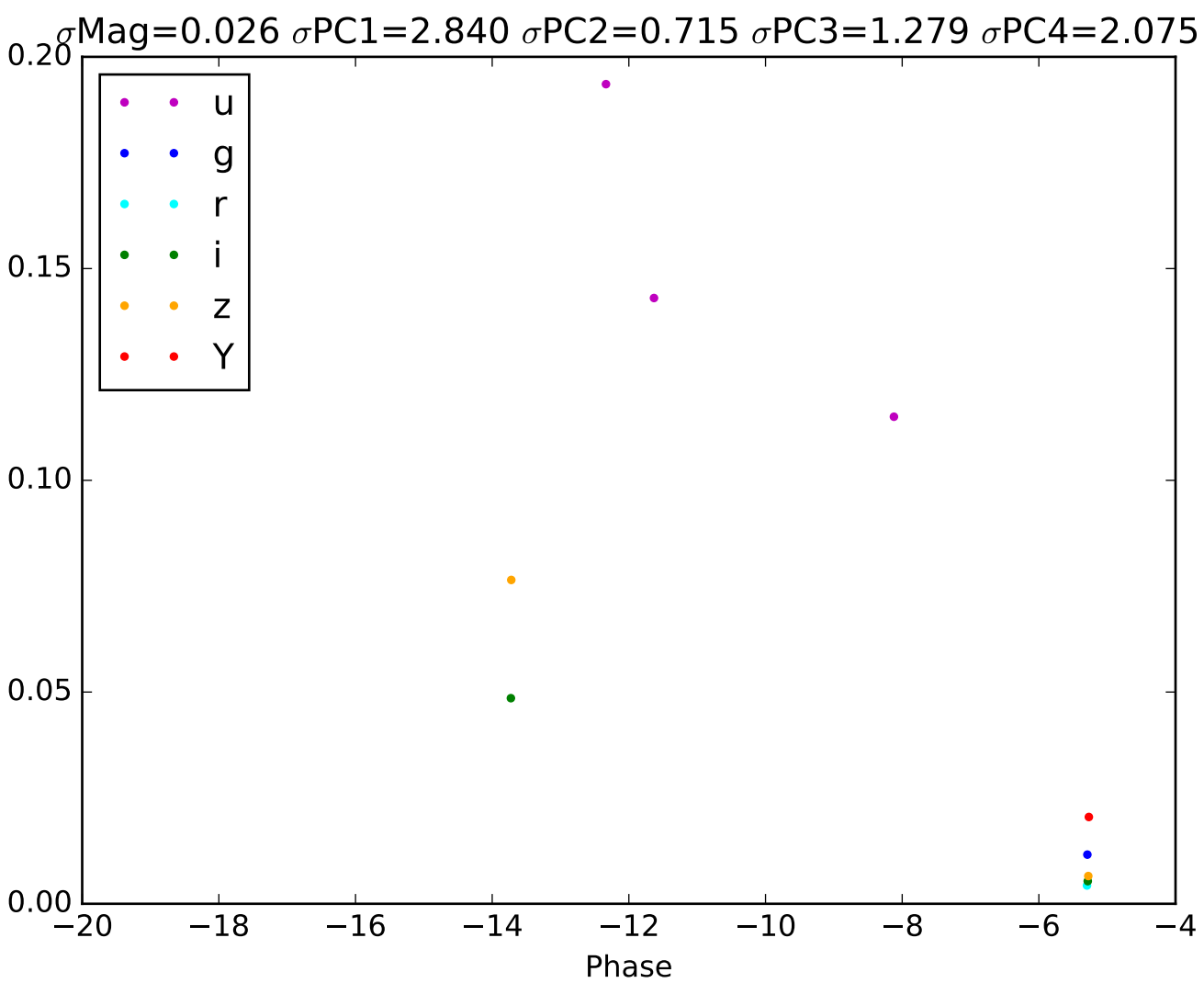
50

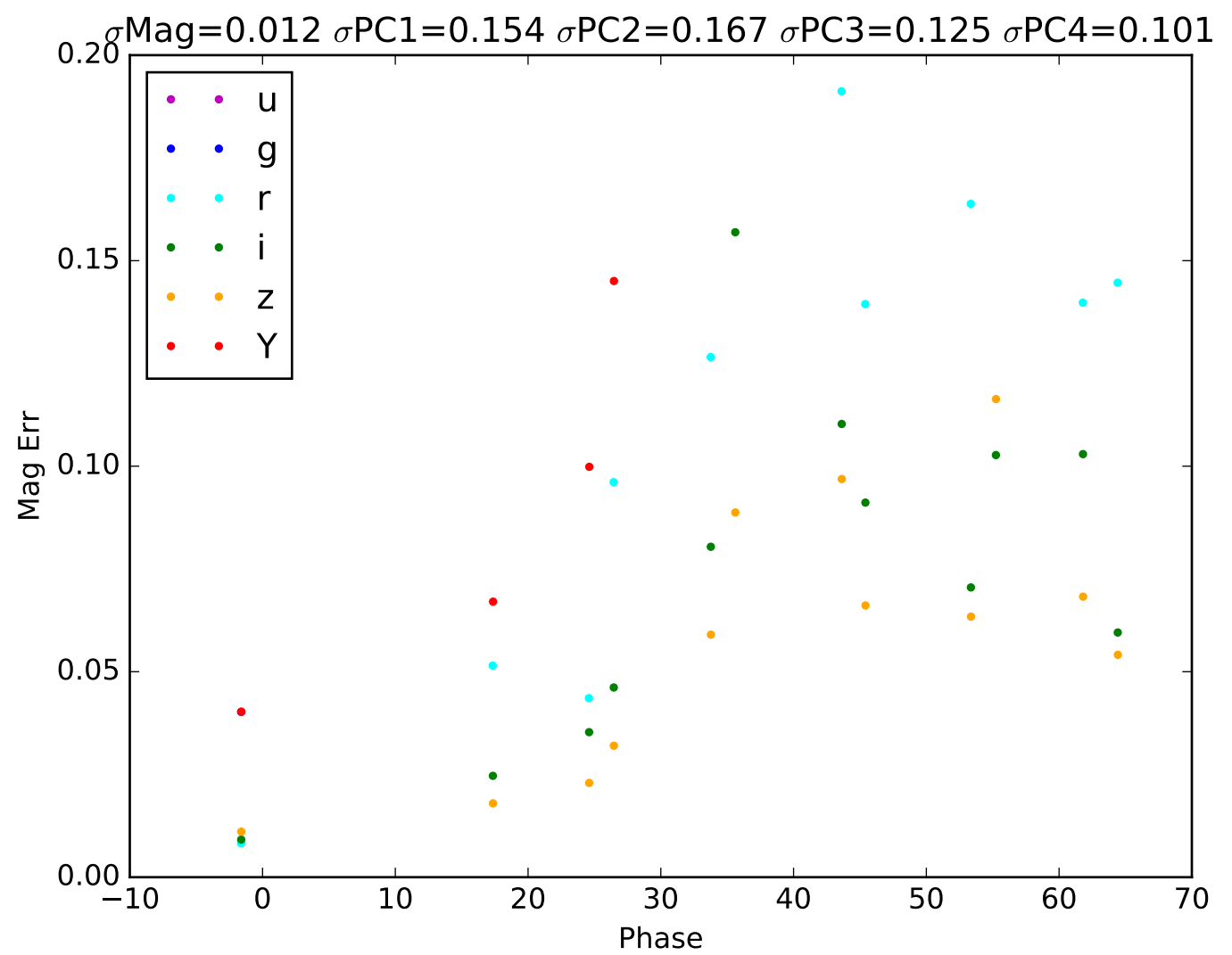
60

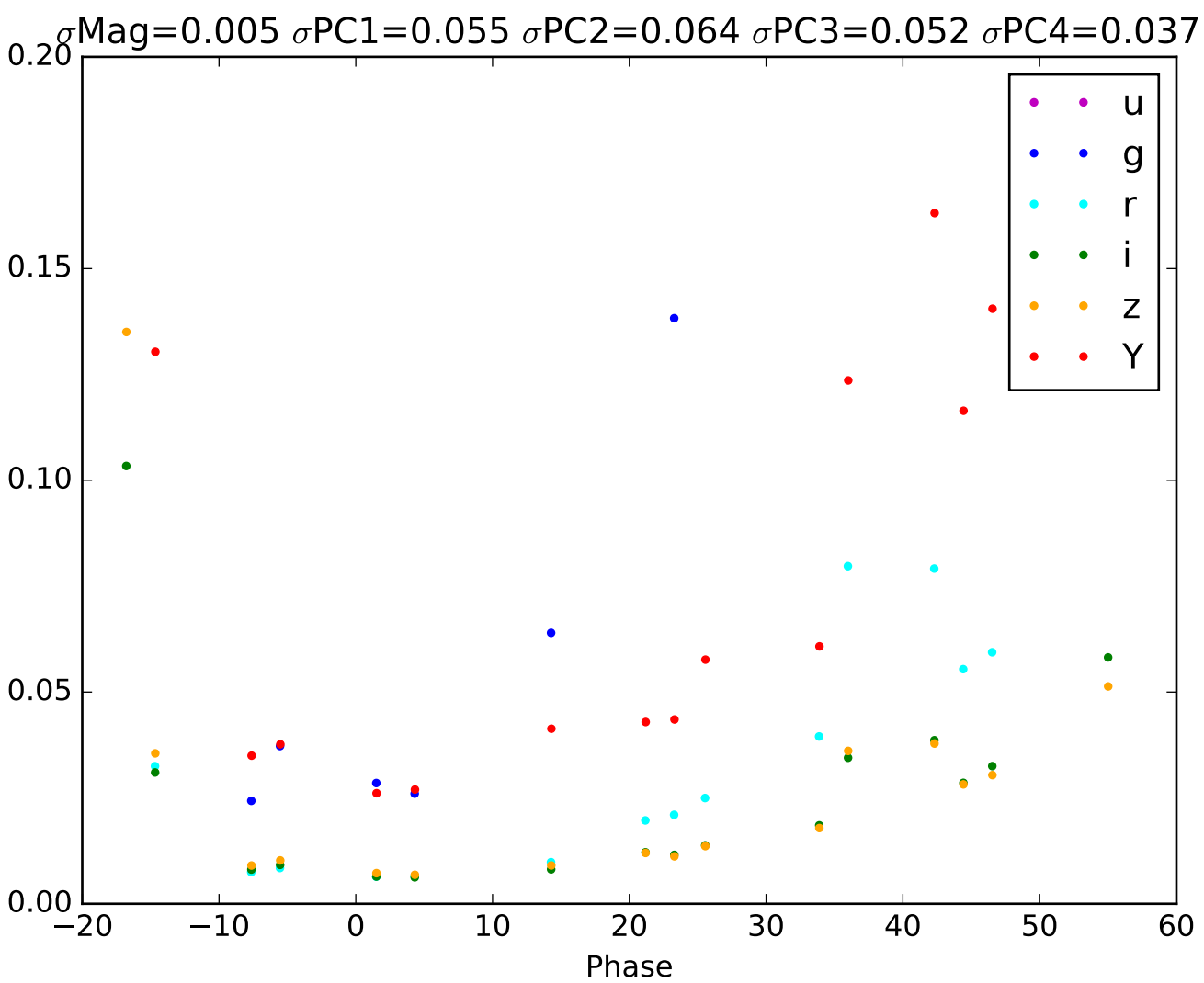
70





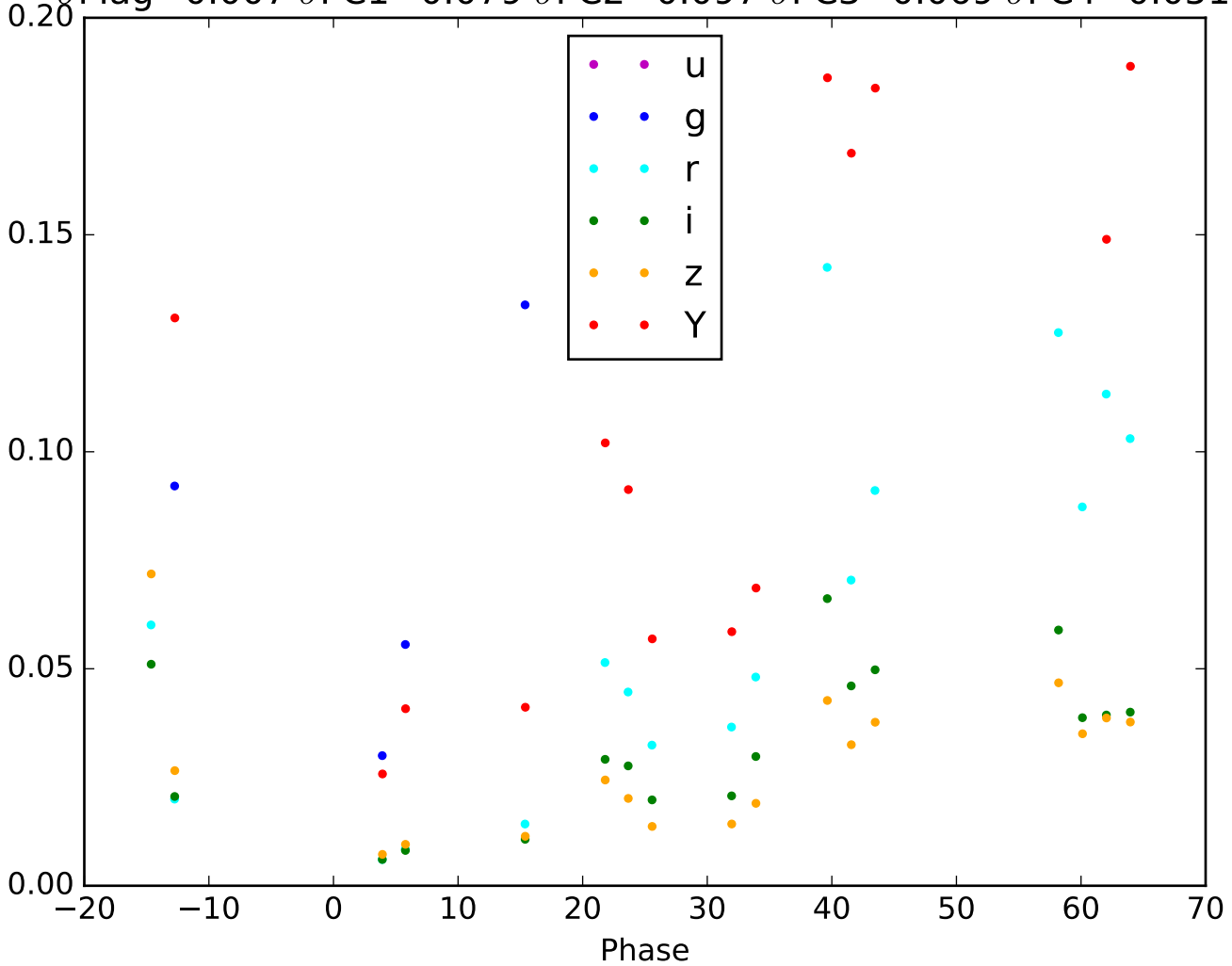


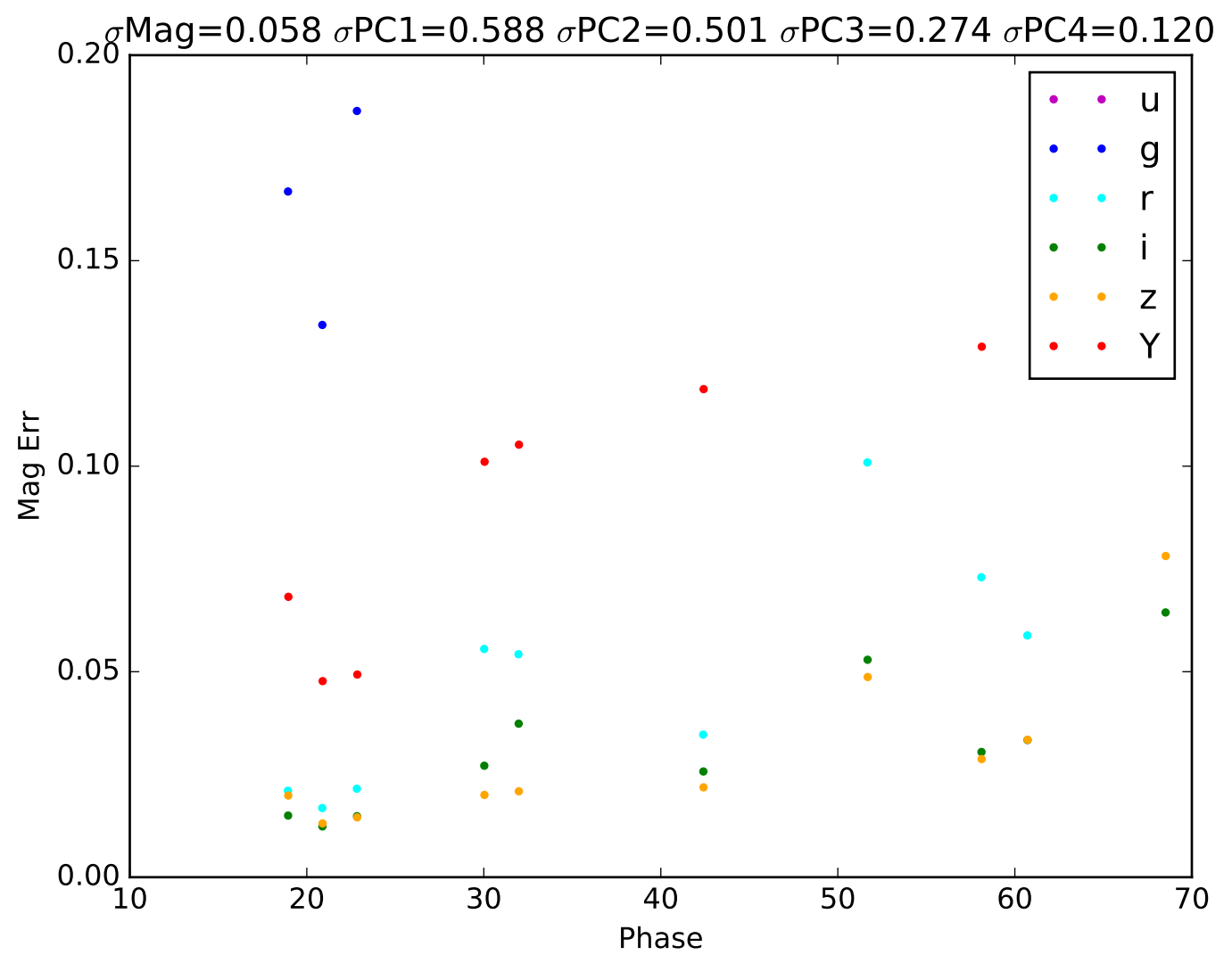


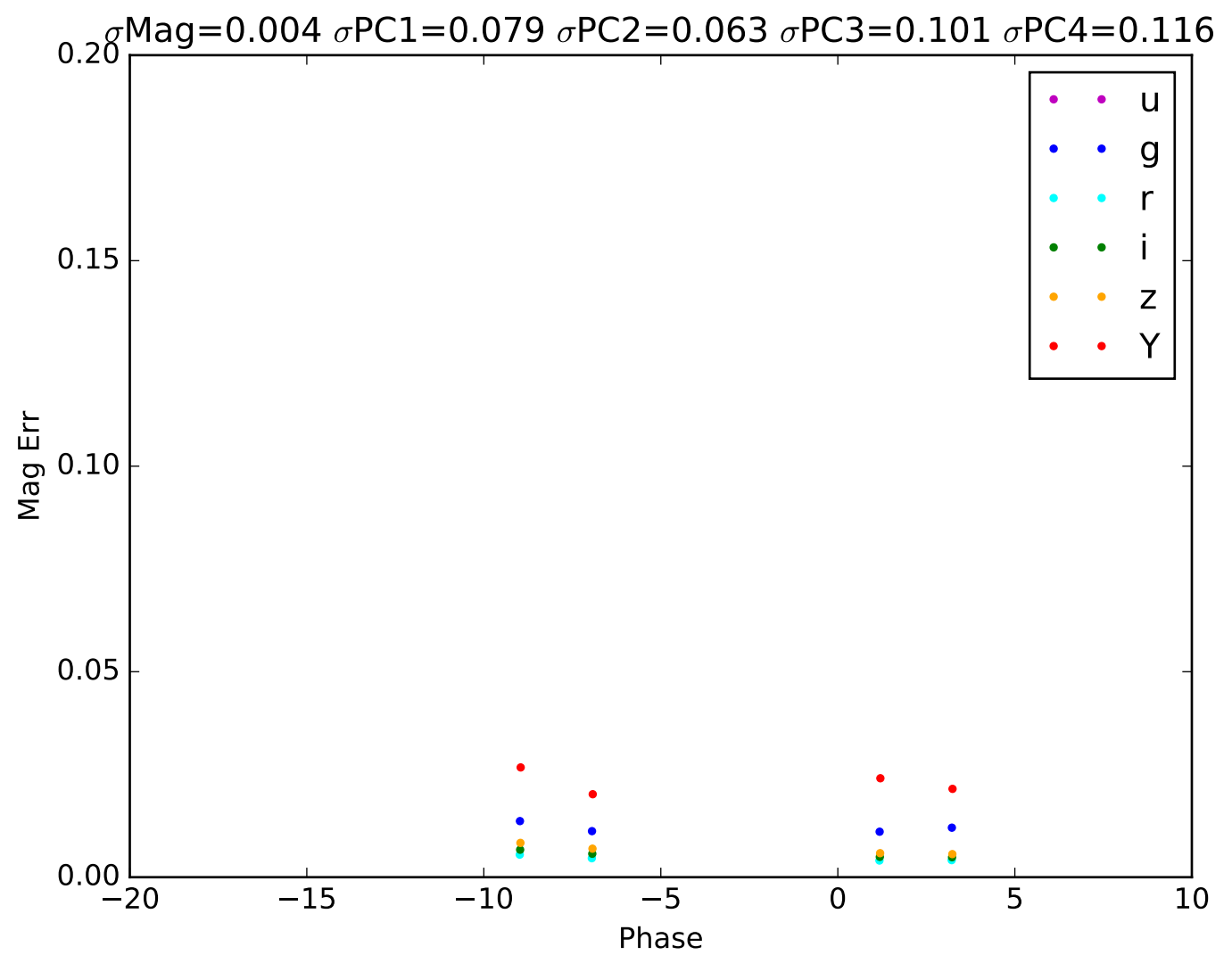


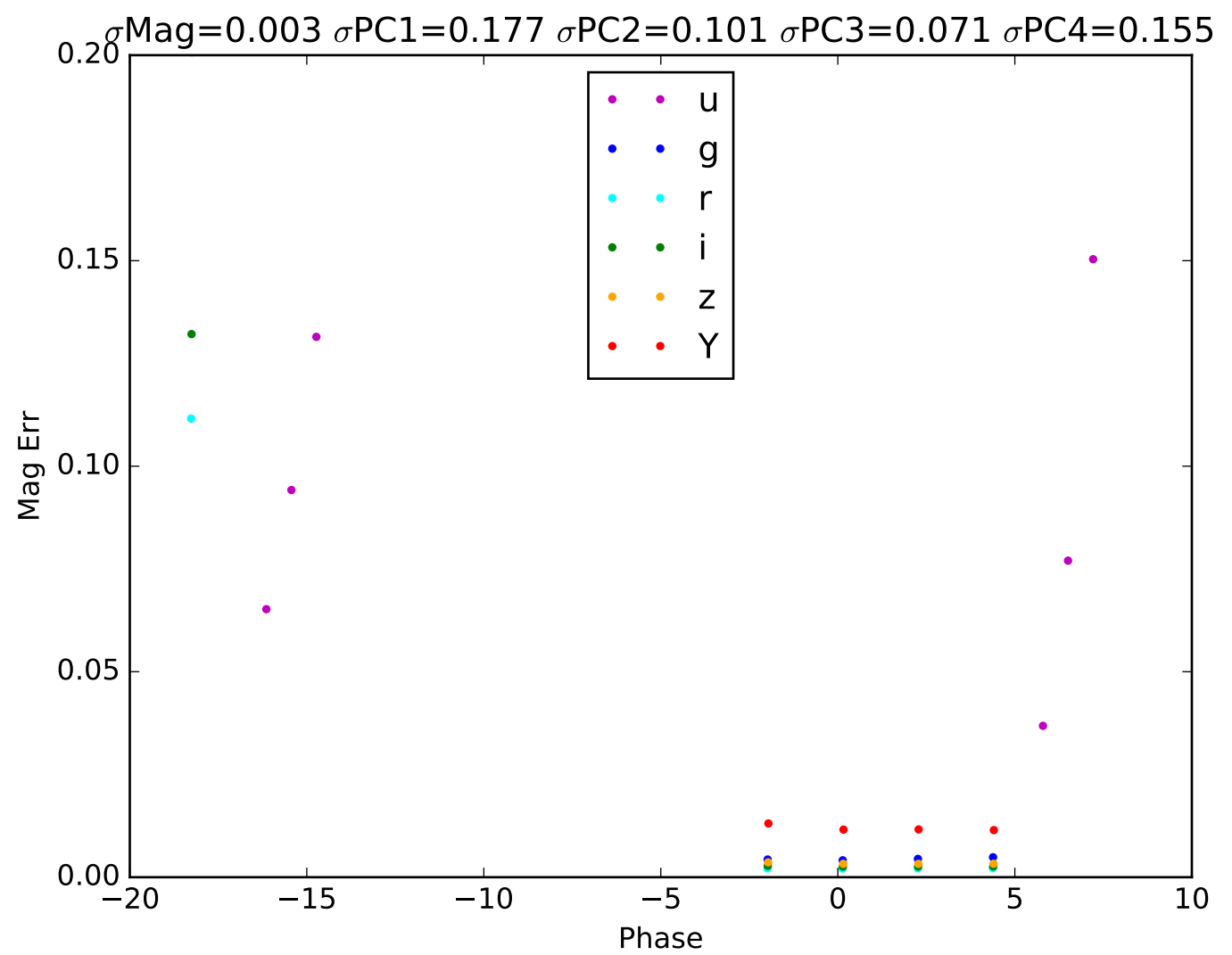
$\sigma_{\text{Mag}}=0.007$ $\sigma_{\text{PC1}}=0.079$ $\sigma_{\text{PC2}}=0.097$ $\sigma_{\text{PC3}}=0.069$ $\sigma_{\text{PC4}}=0.051$

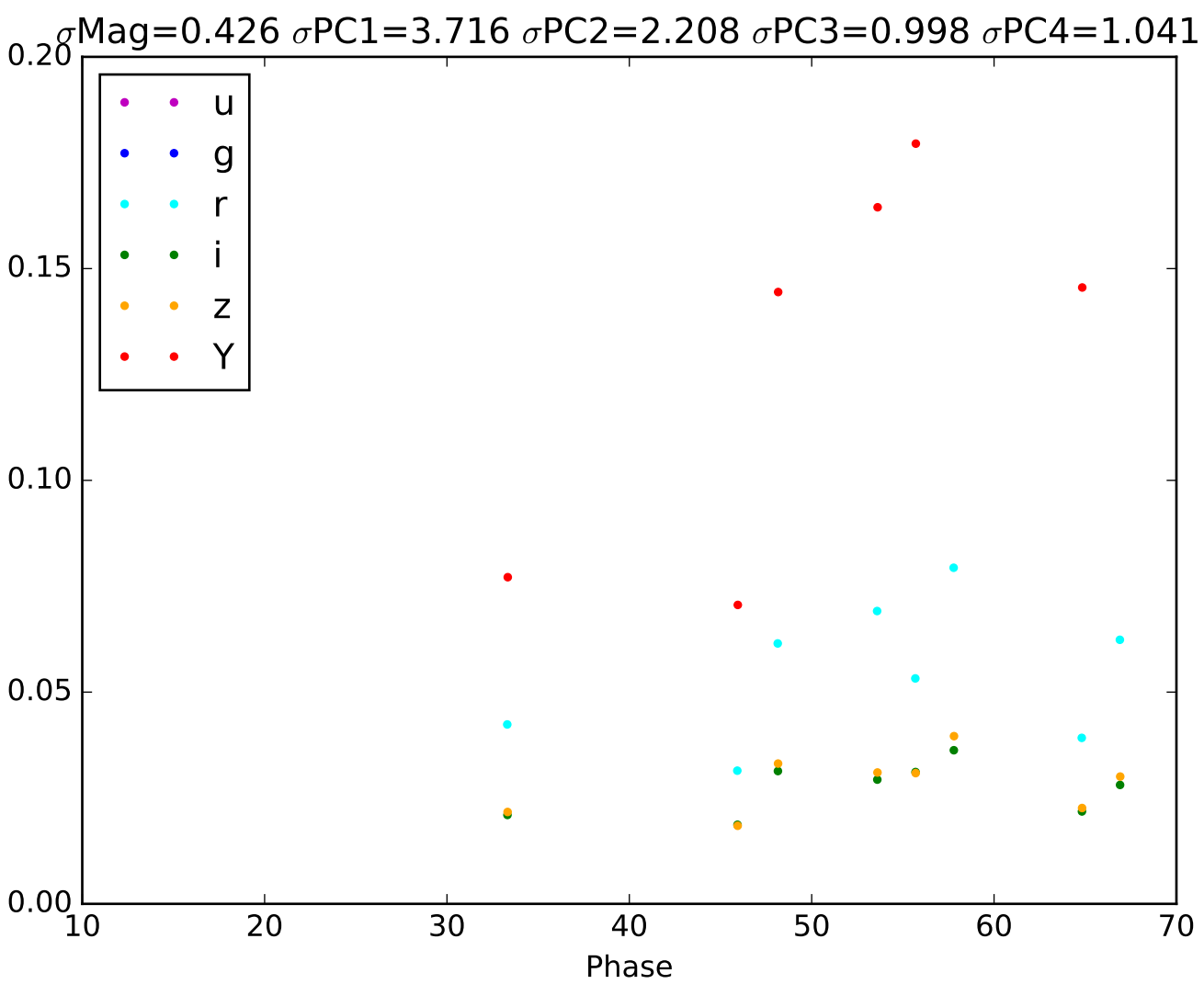
Mag Err

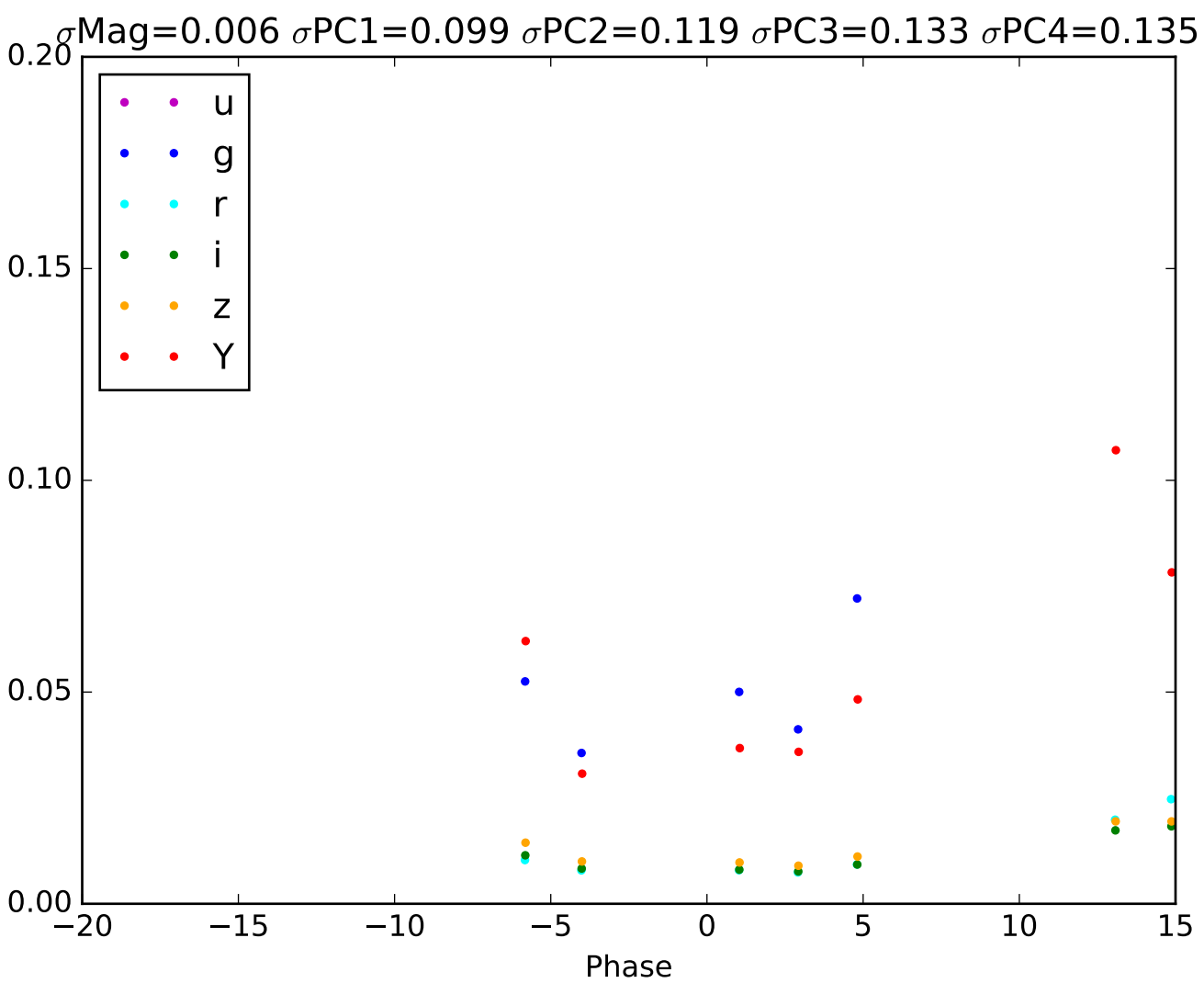


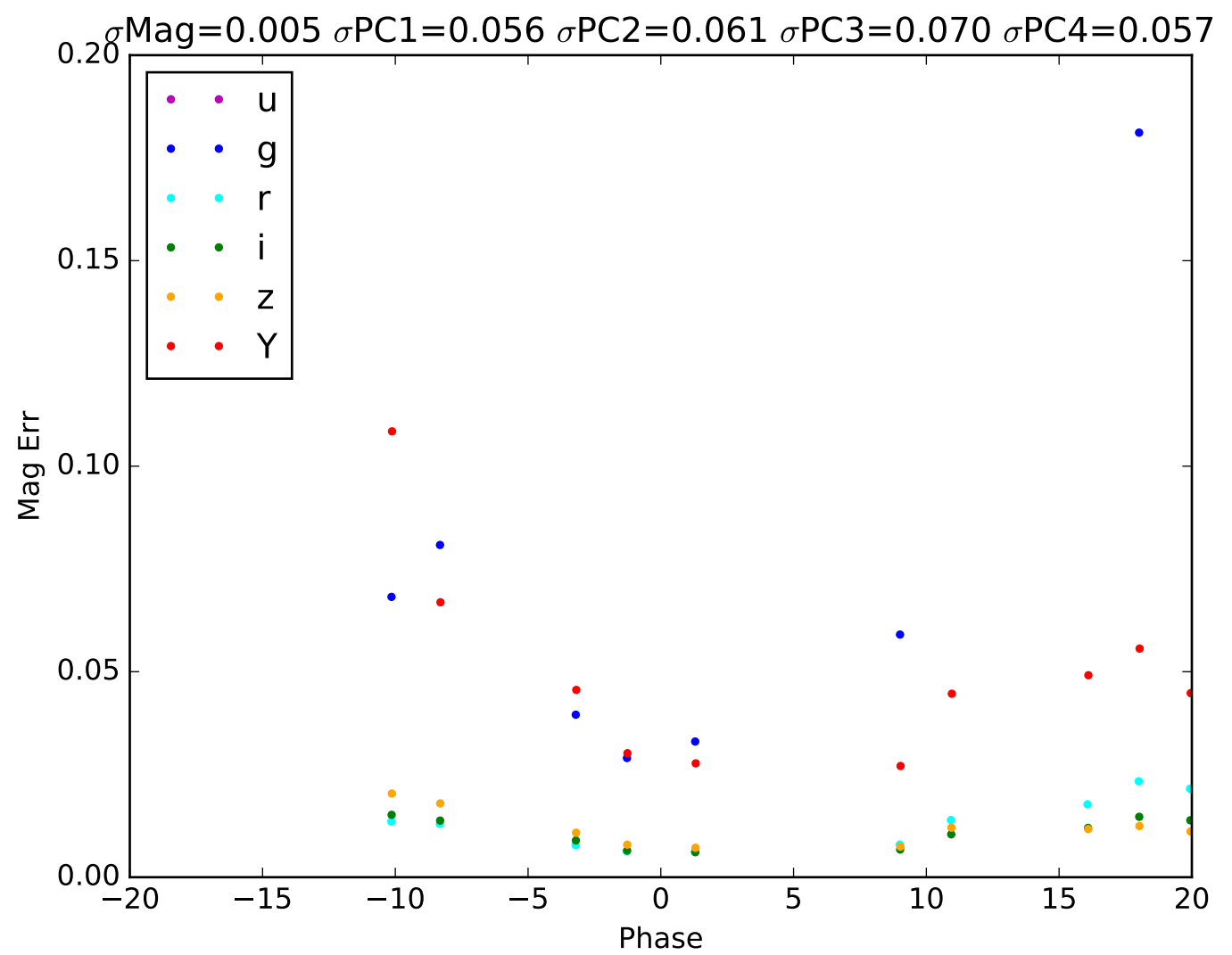


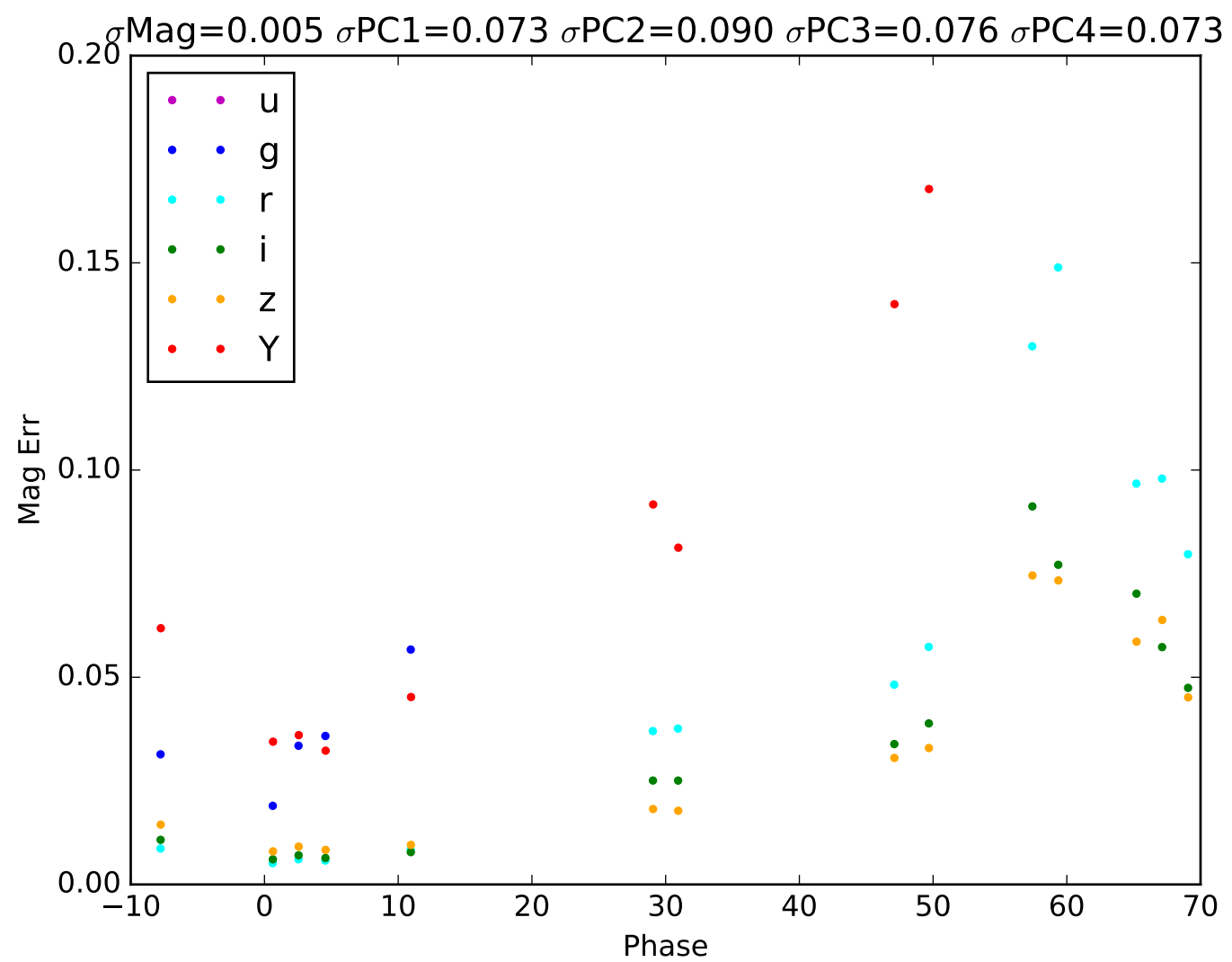


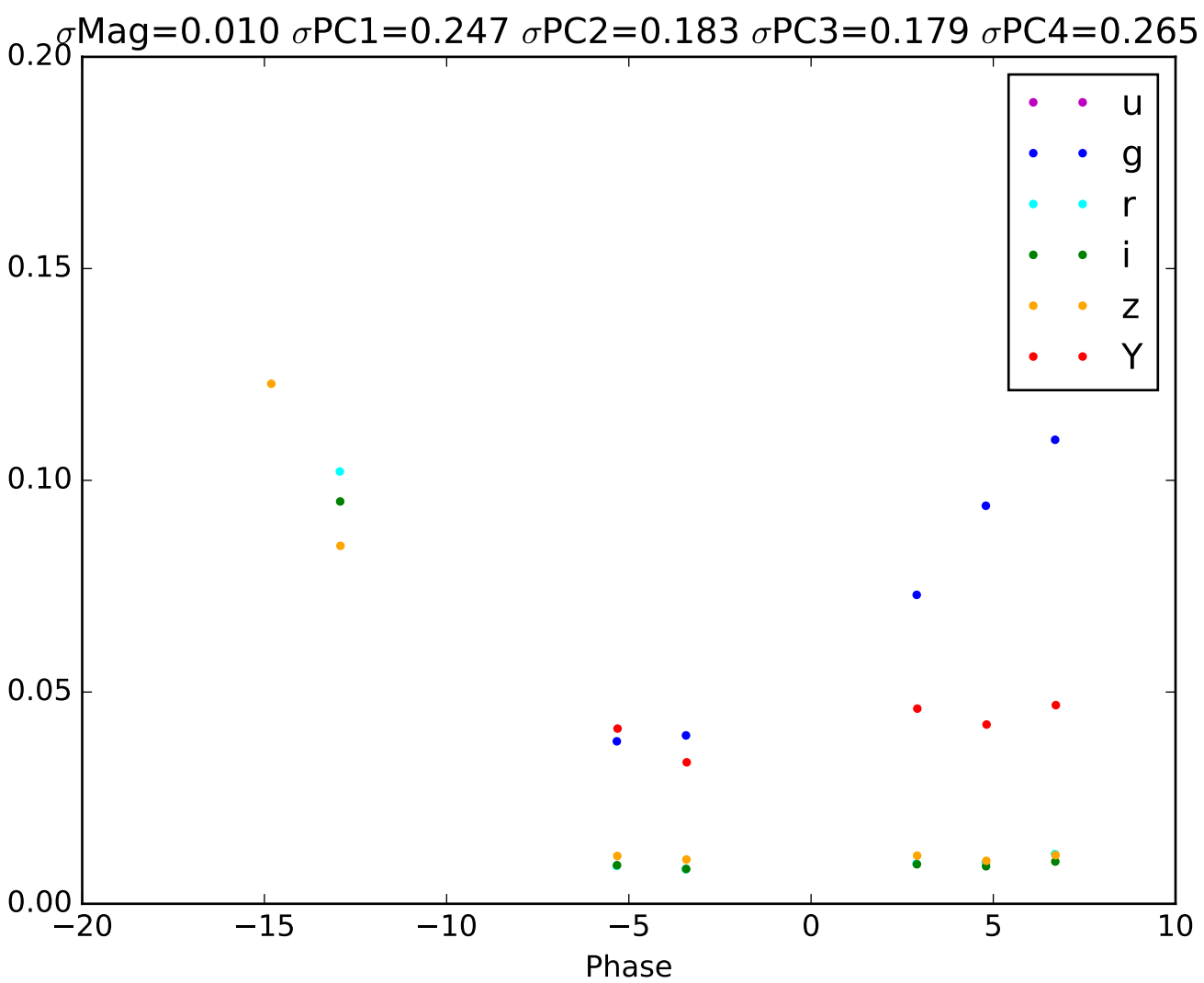


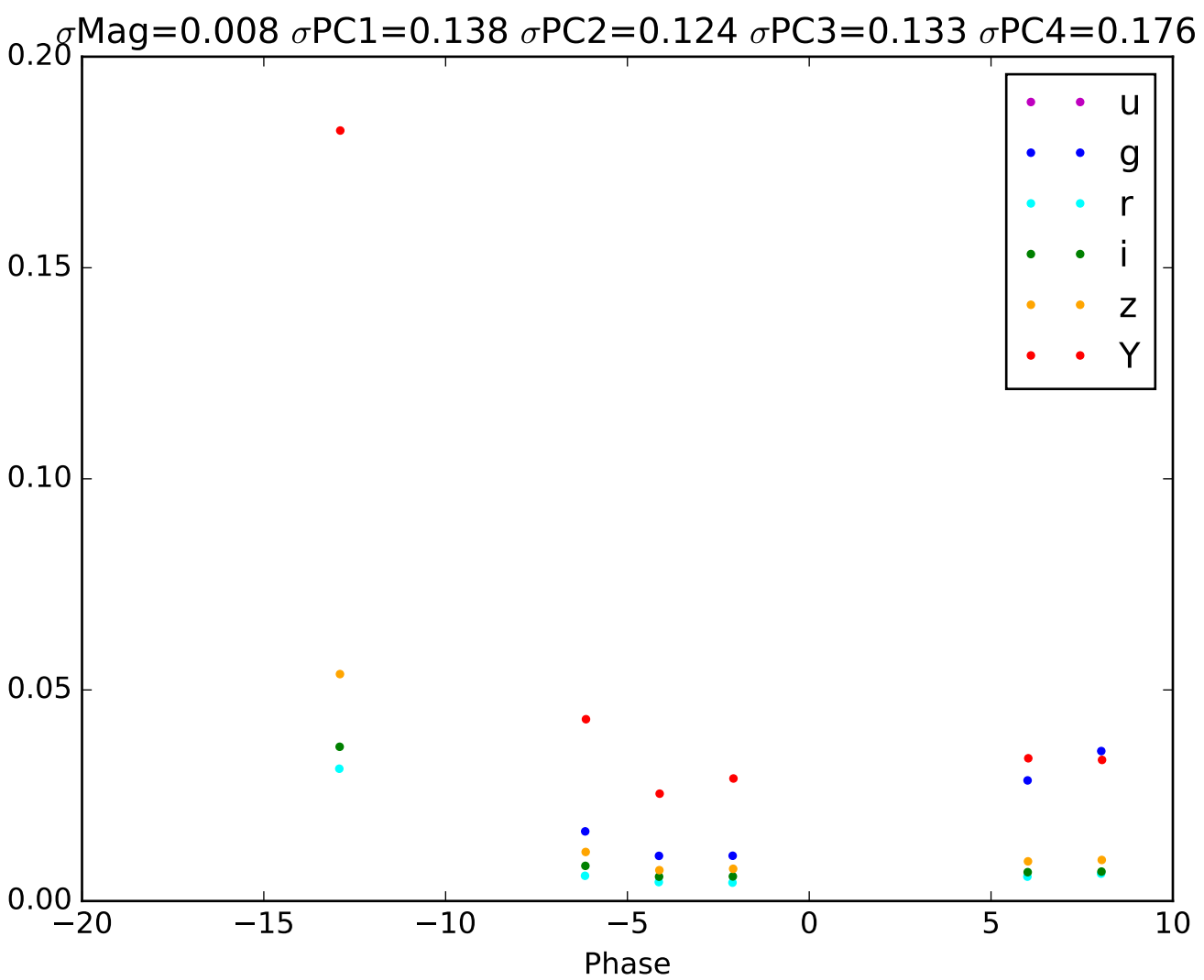


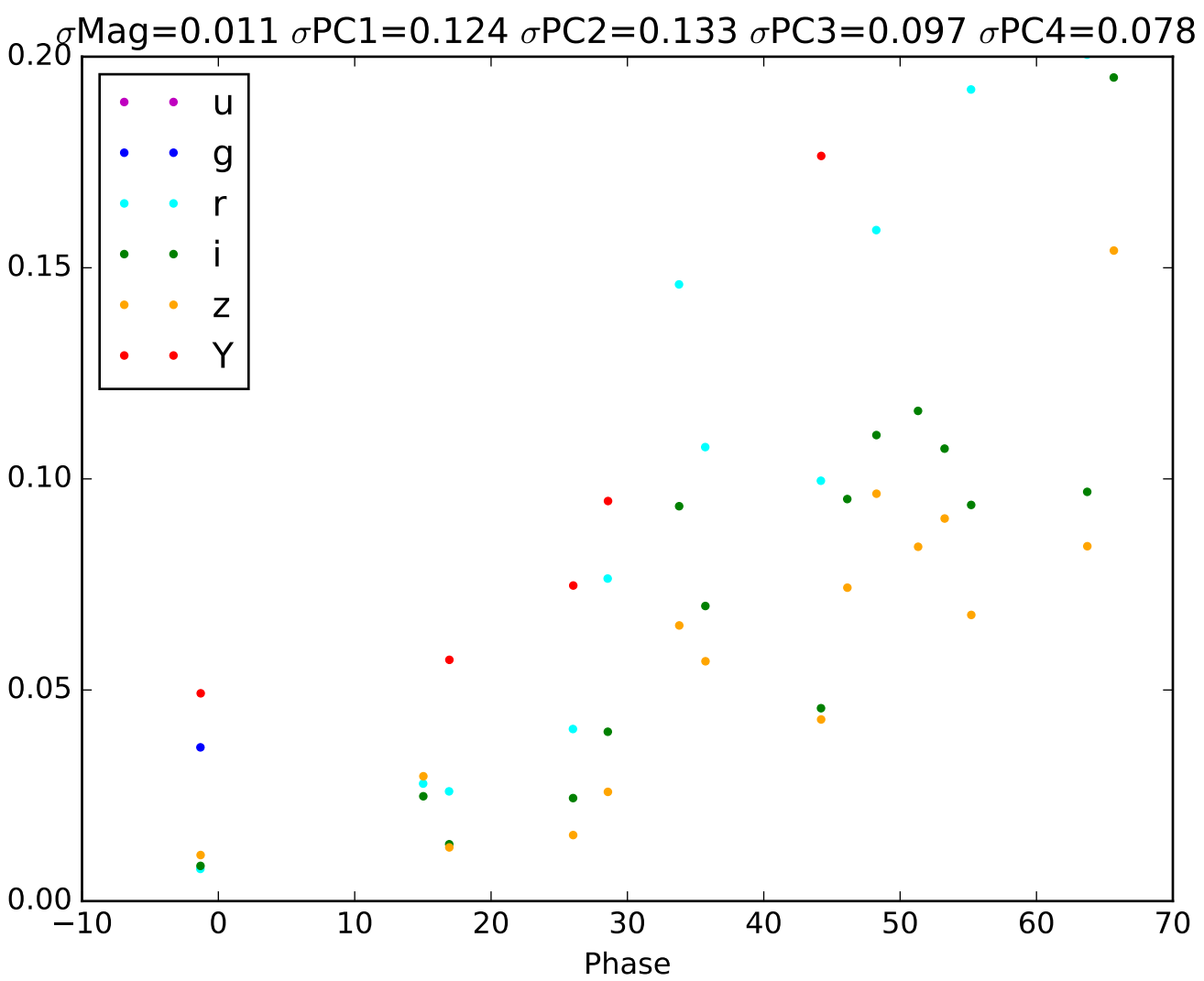


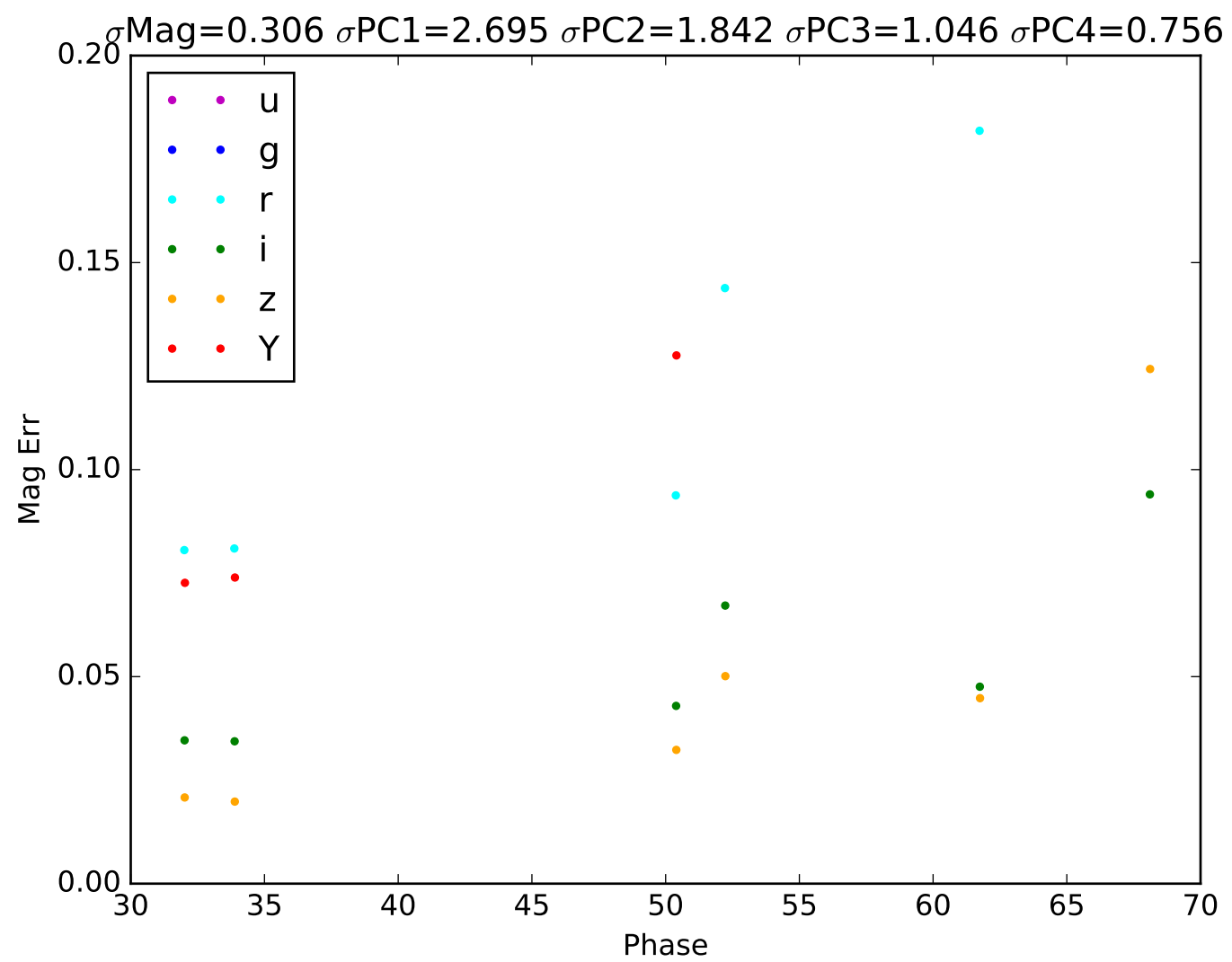


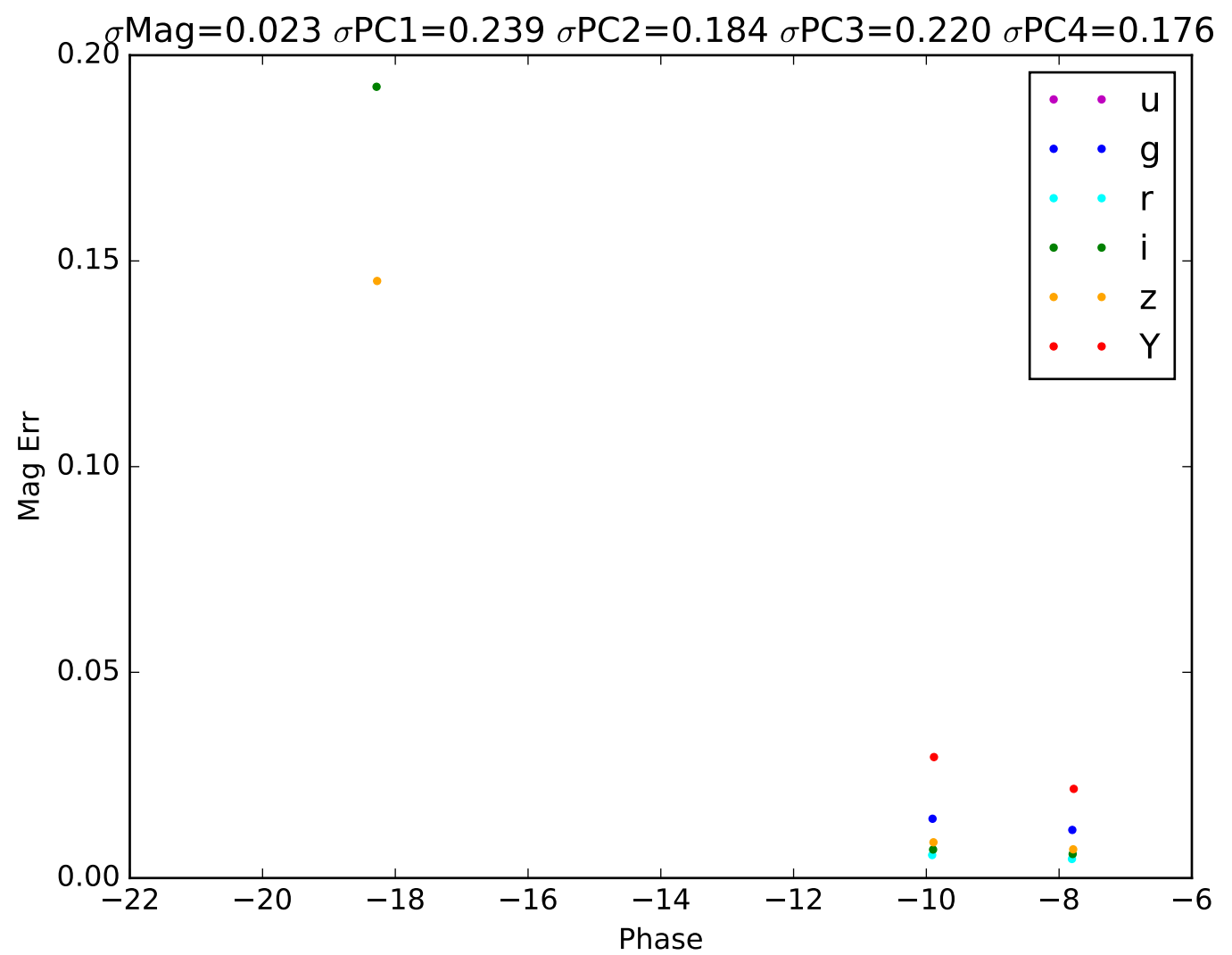




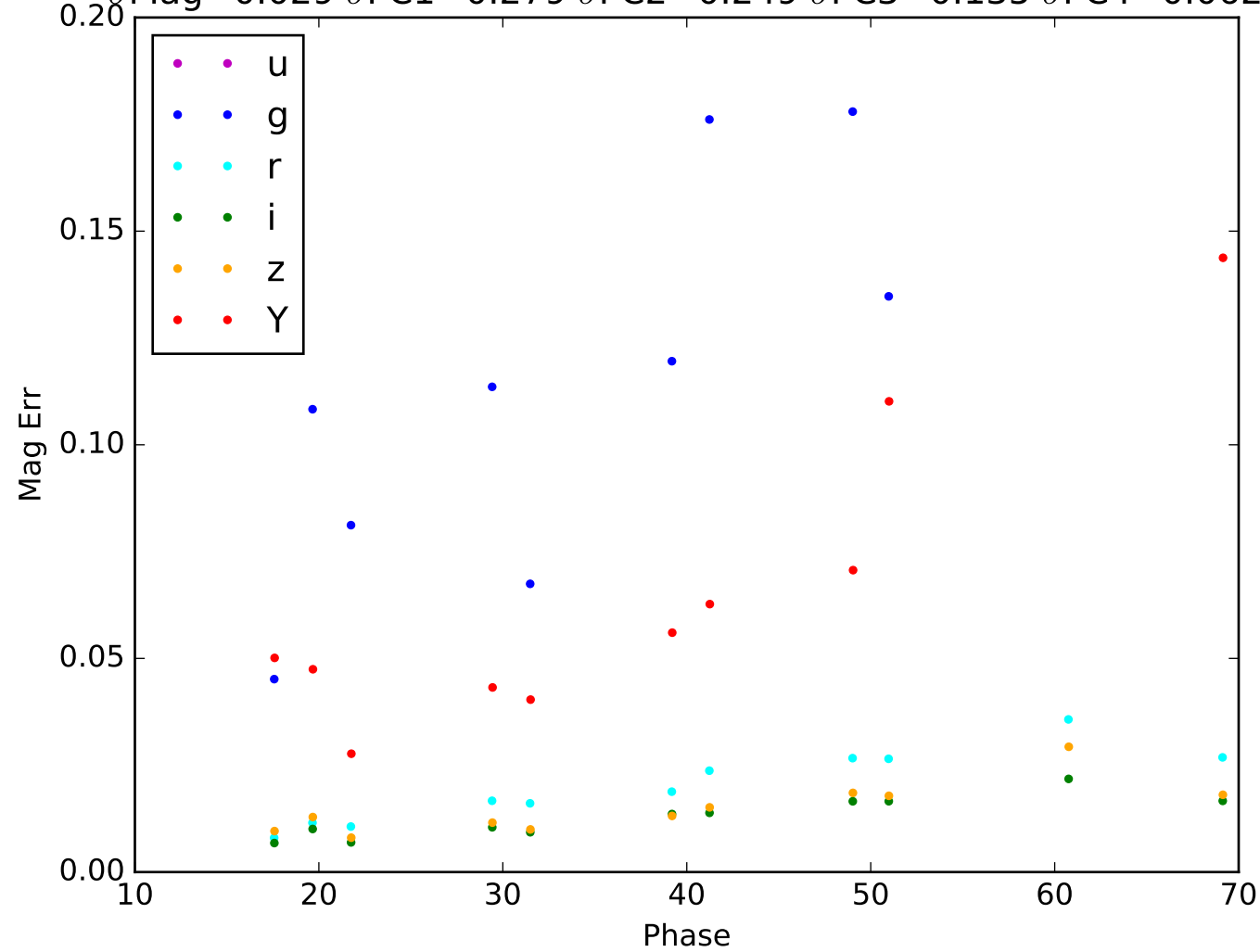


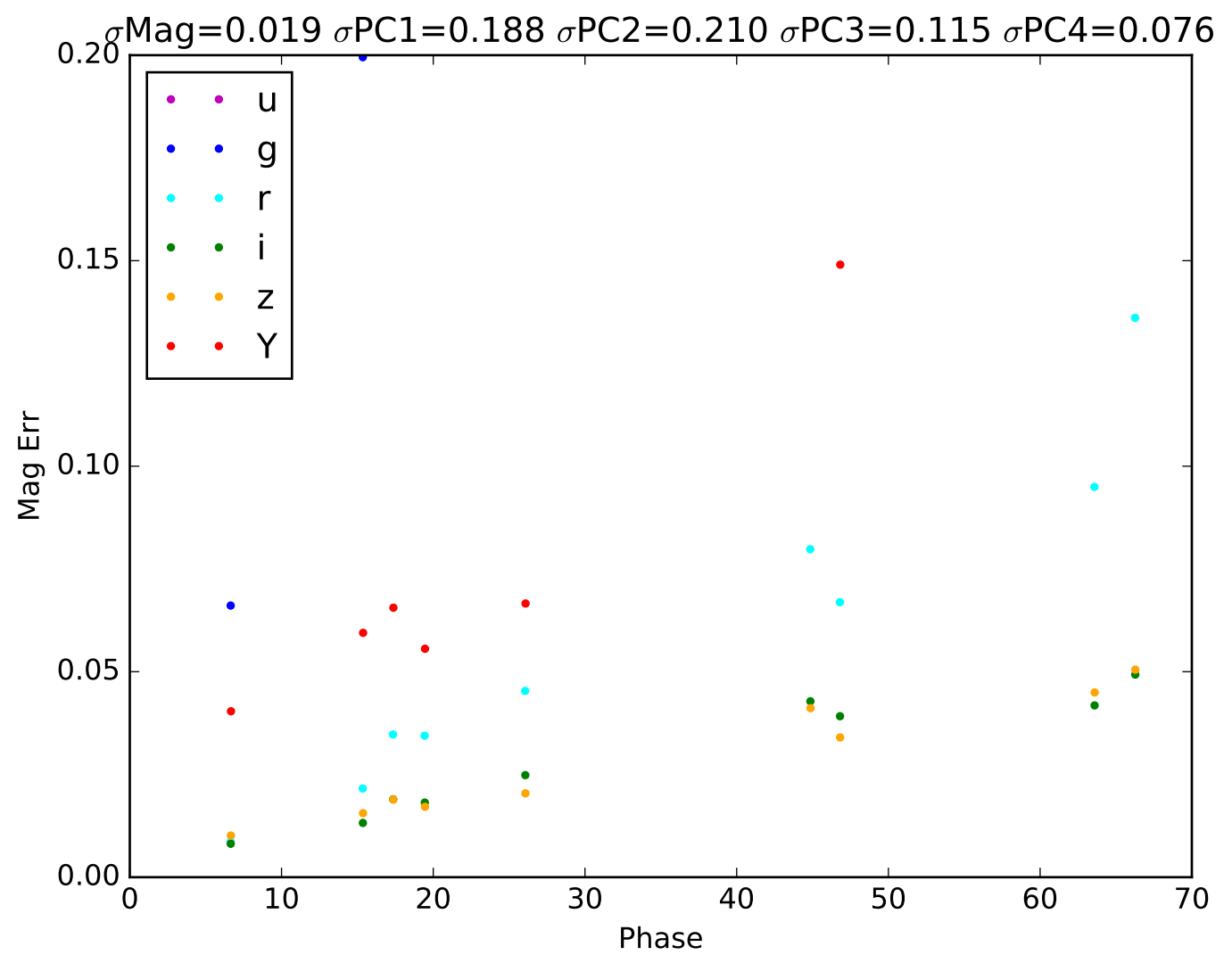


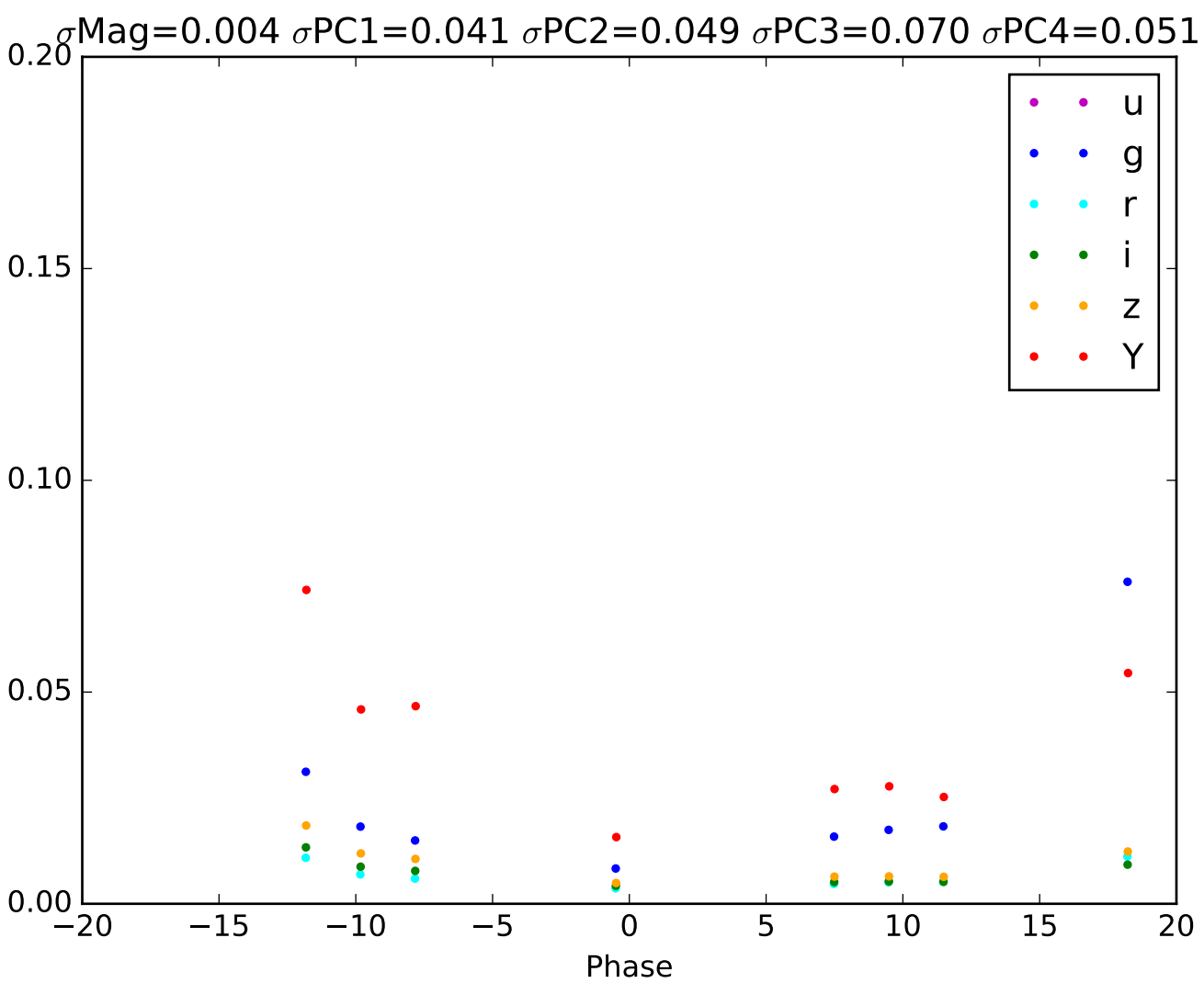


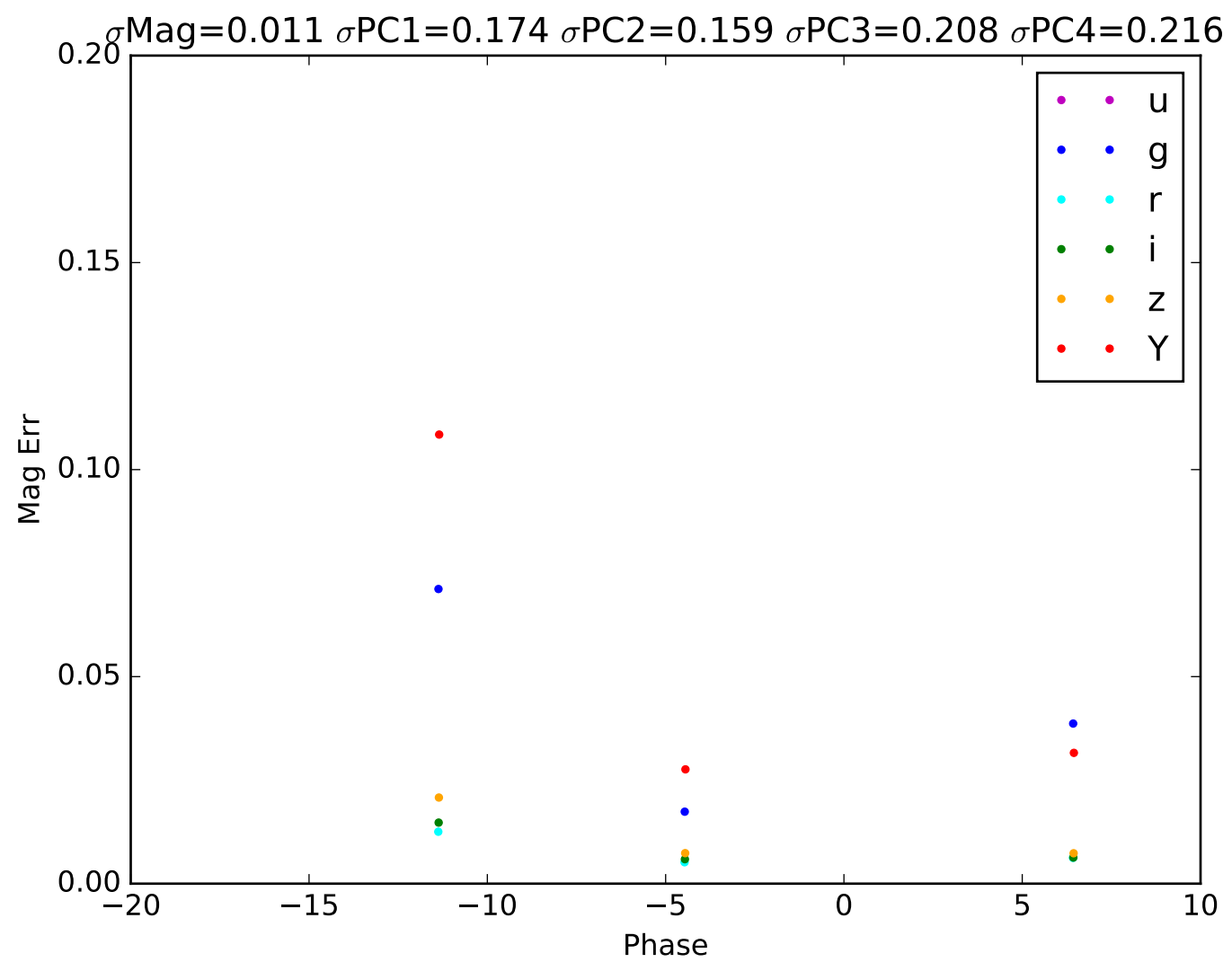


$\sigma_{\text{Mag}}=0.029$ $\sigma_{\text{PC1}}=0.279$ $\sigma_{\text{PC2}}=0.249$ $\sigma_{\text{PC3}}=0.135$ $\sigma_{\text{PC4}}=0.062$

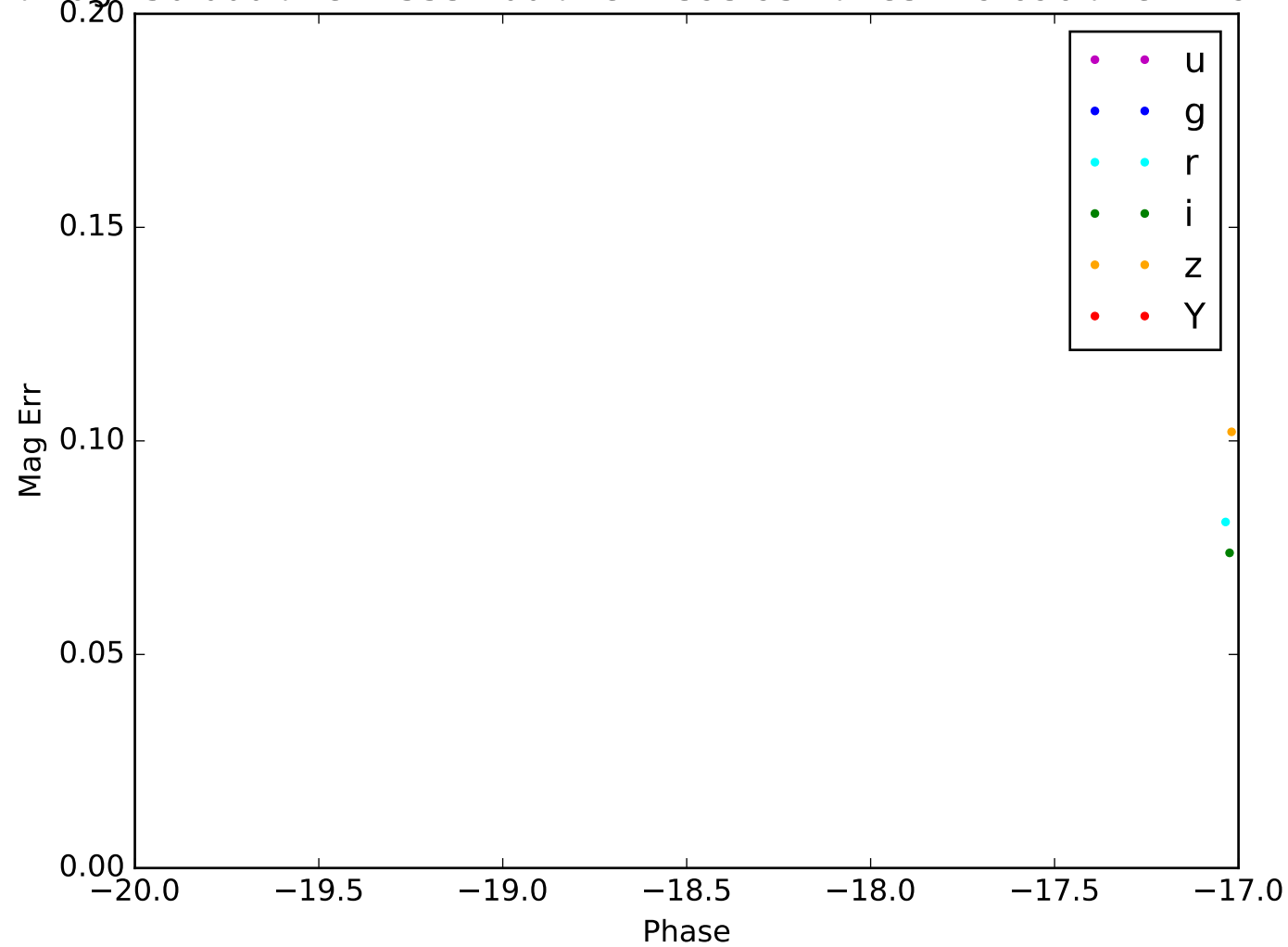


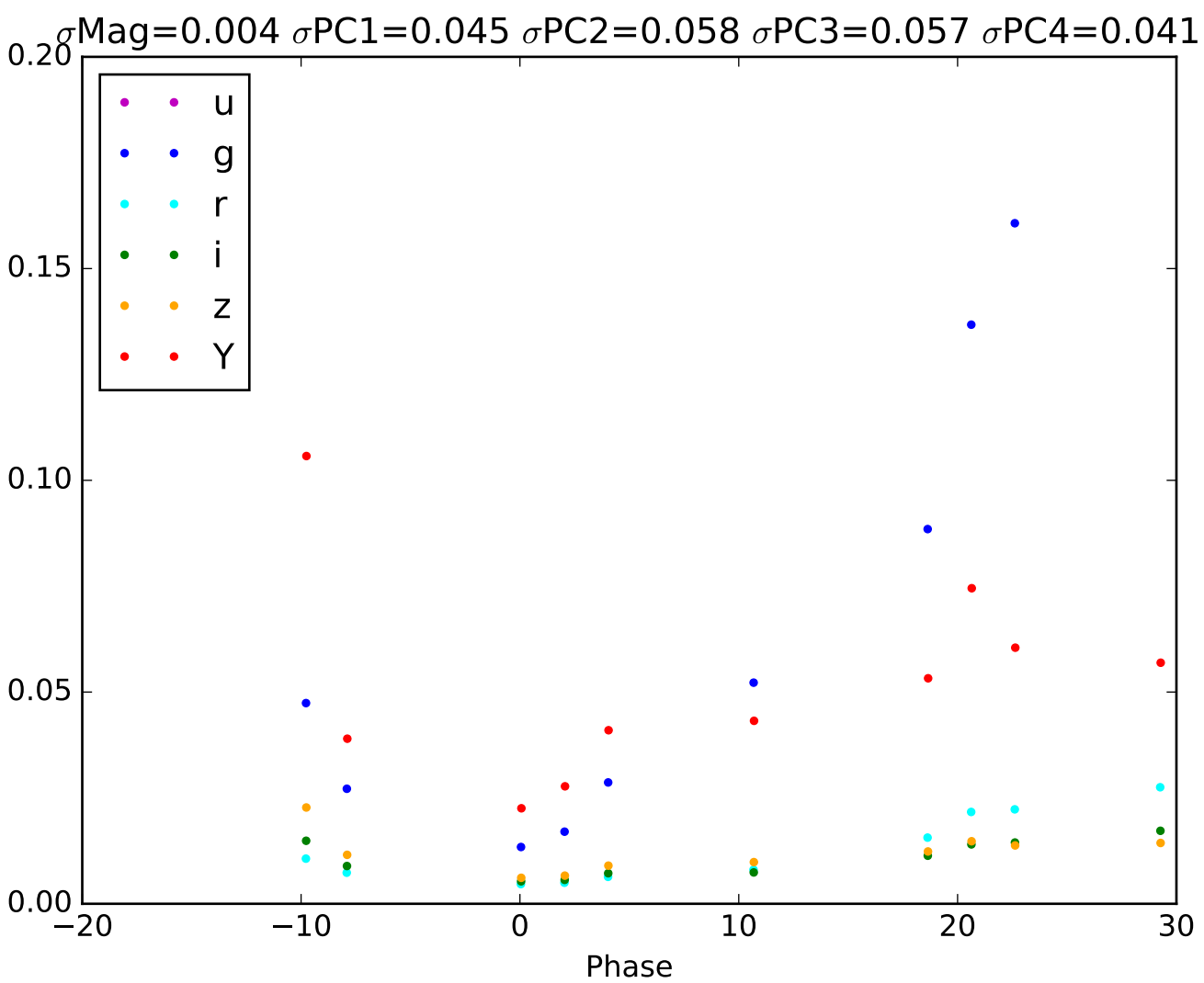


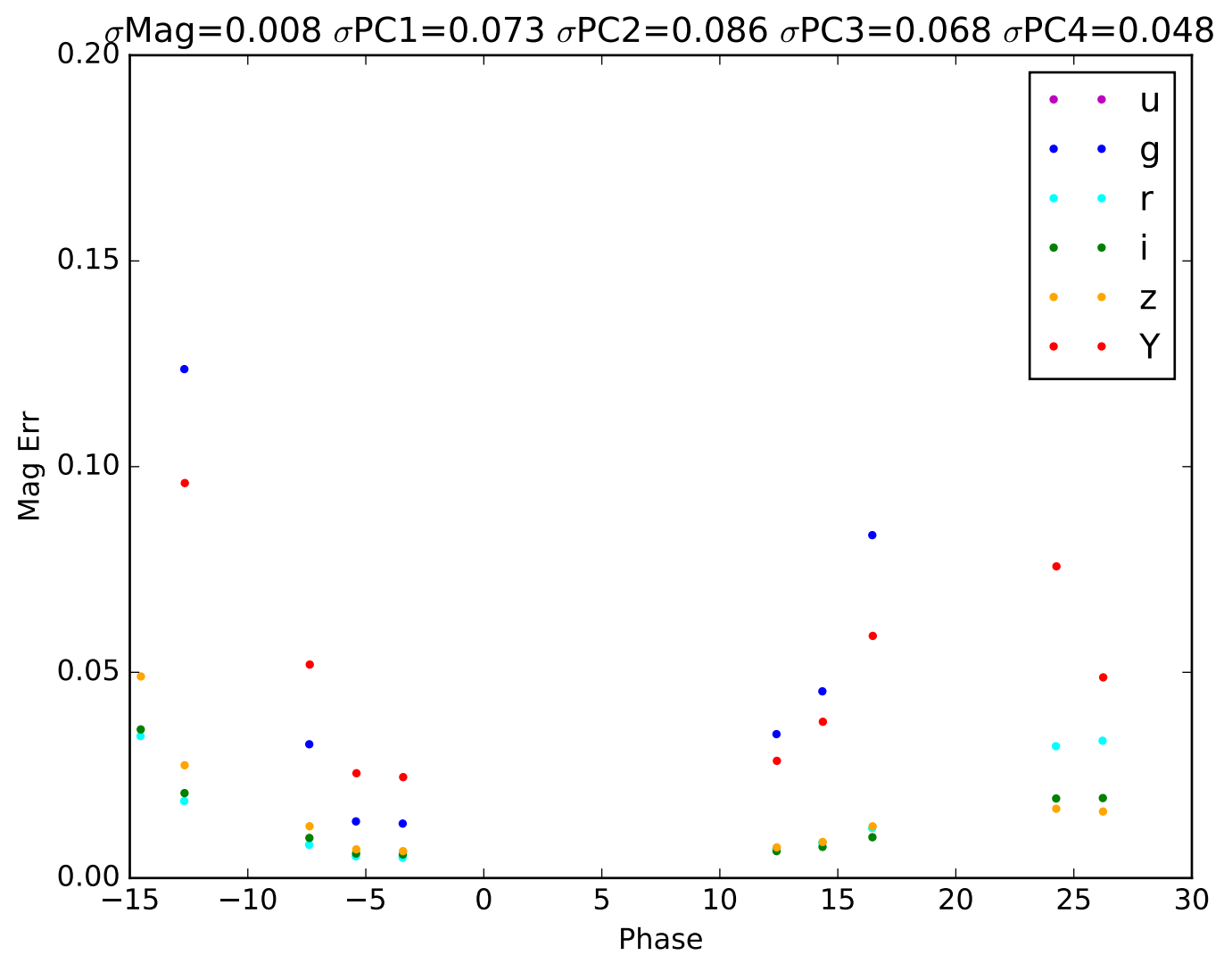




$\sigma_{\text{Mag}}=50.000$ $\sigma_{\text{PC1}}=553.100$ $\sigma_{\text{PC2}}=393.952$ $\sigma_{\text{PC3}}=19.696$ $\sigma_{\text{PC4}}=192.474$

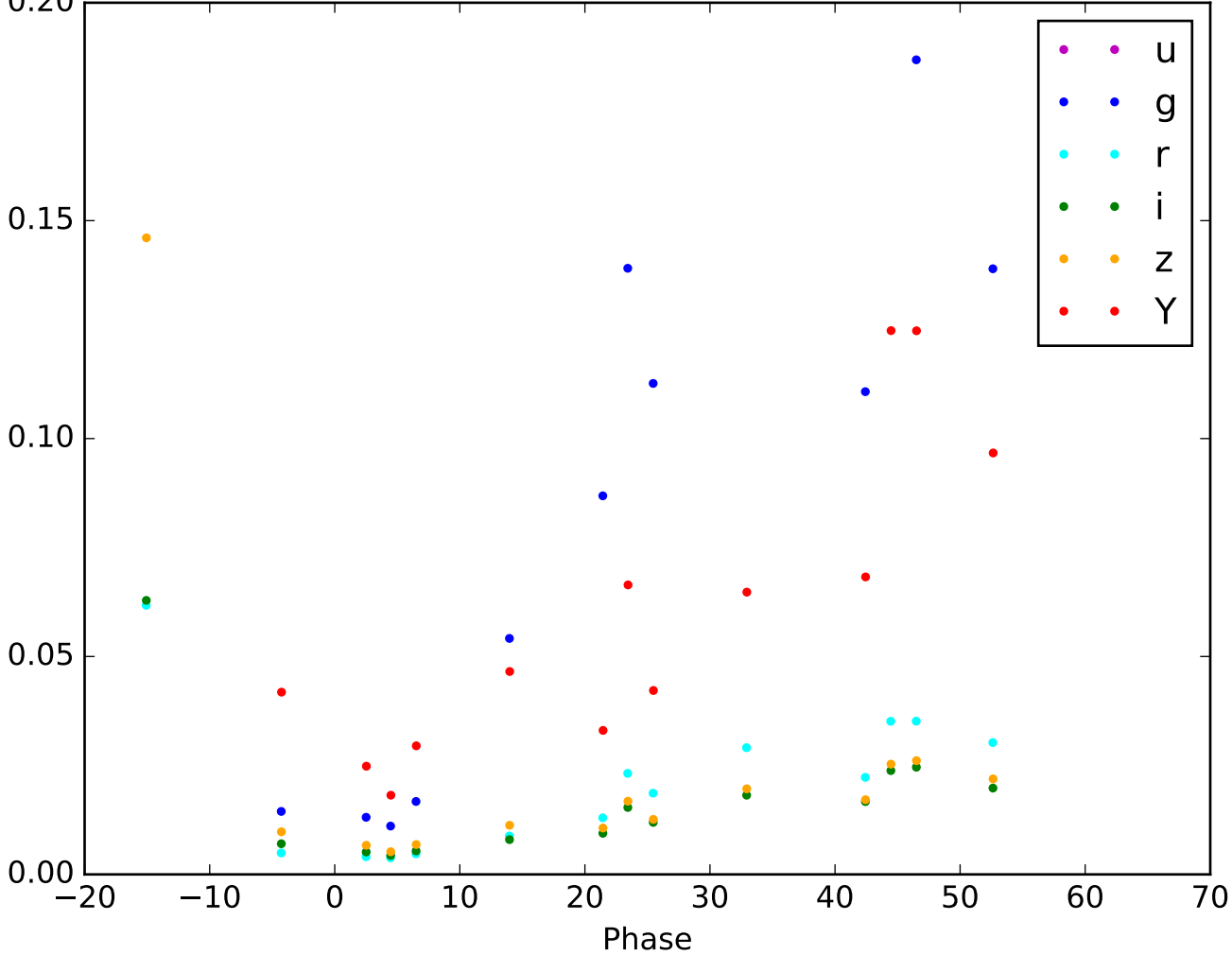


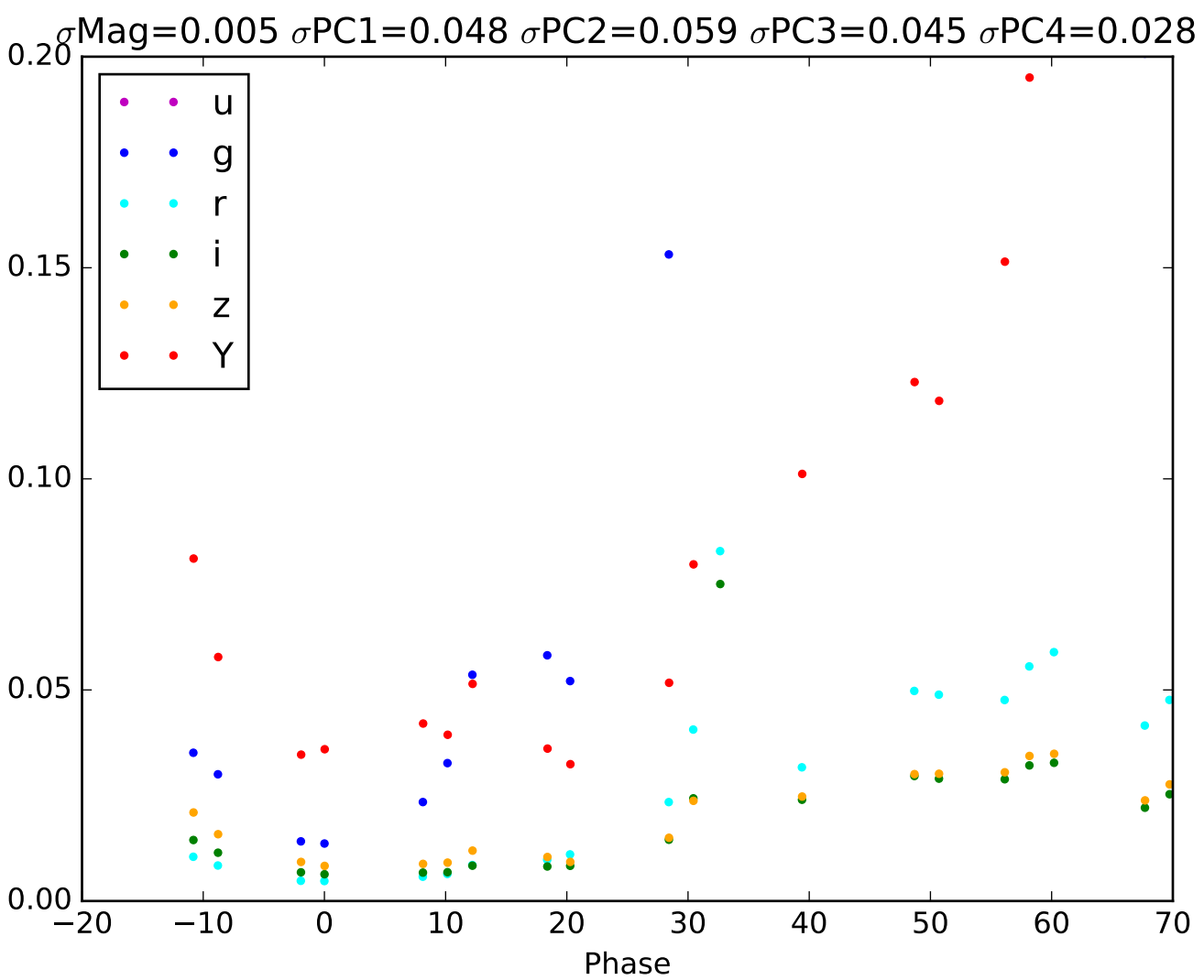




$\sigma_{\text{Mag}}=0.005$ $\sigma_{\text{PC1}}=0.049$ $\sigma_{\text{PC2}}=0.073$ $\sigma_{\text{PC3}}=0.051$ $\sigma_{\text{PC4}}=0.030$

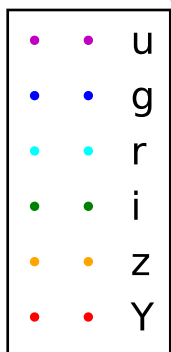
Mag Err





$\sigma_{\text{Mag}}=0.010$ $\sigma_{\text{PC1}}=0.152$ $\sigma_{\text{PC2}}=0.157$ $\sigma_{\text{PC3}}=0.138$ $\sigma_{\text{PC4}}=0.143$

Mag Err



0.00

0.05

0.10

0.15

0.20

Phase

-20

-10

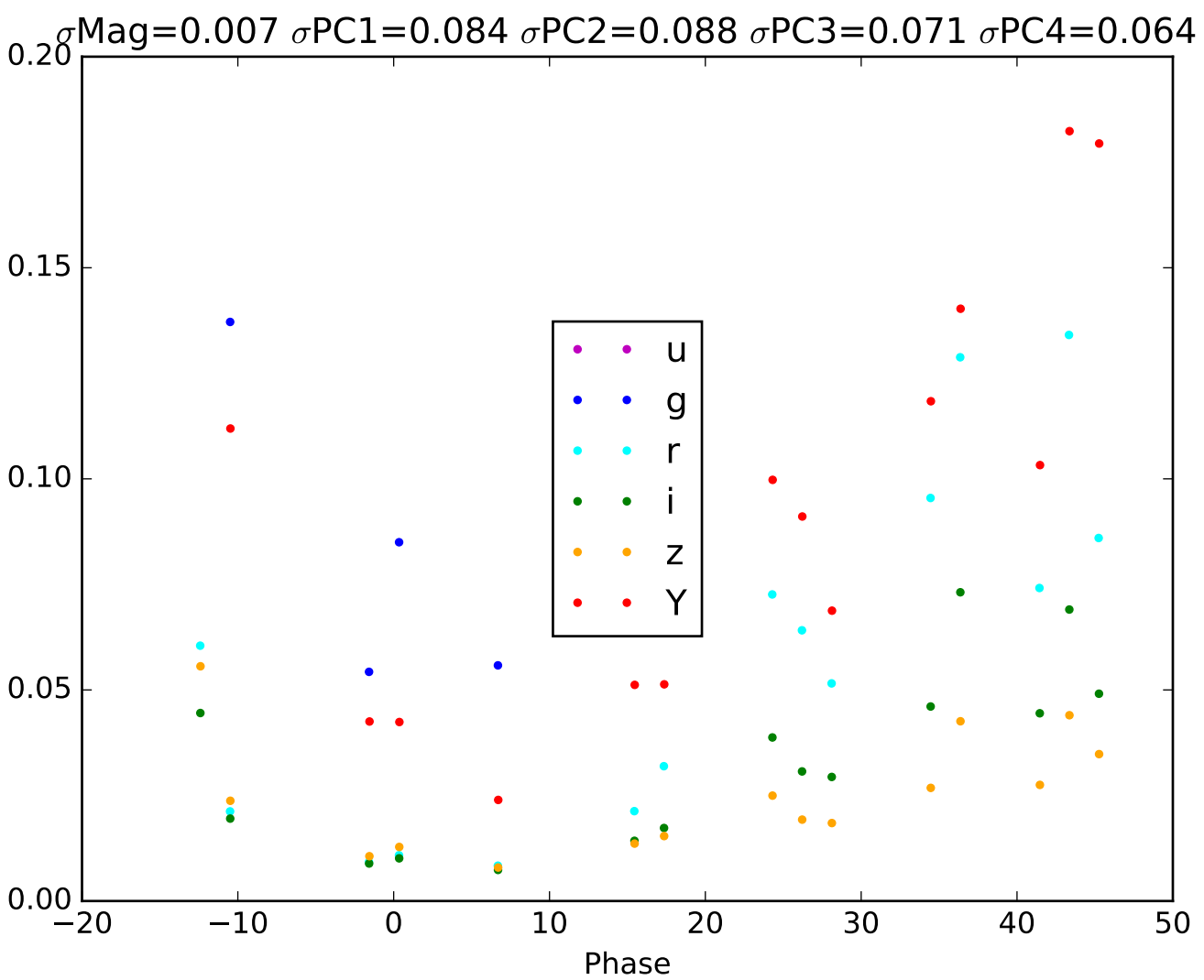
0

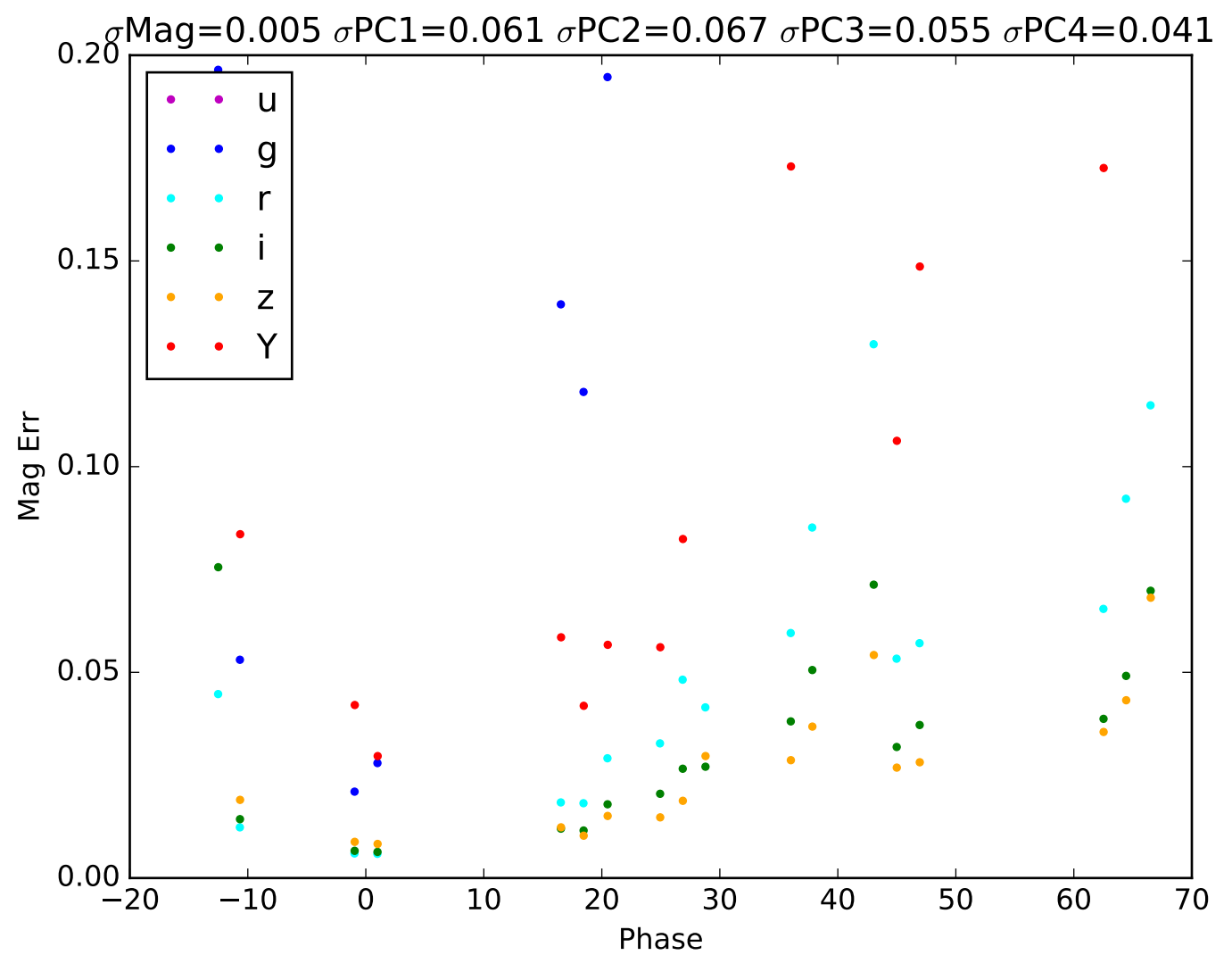
10

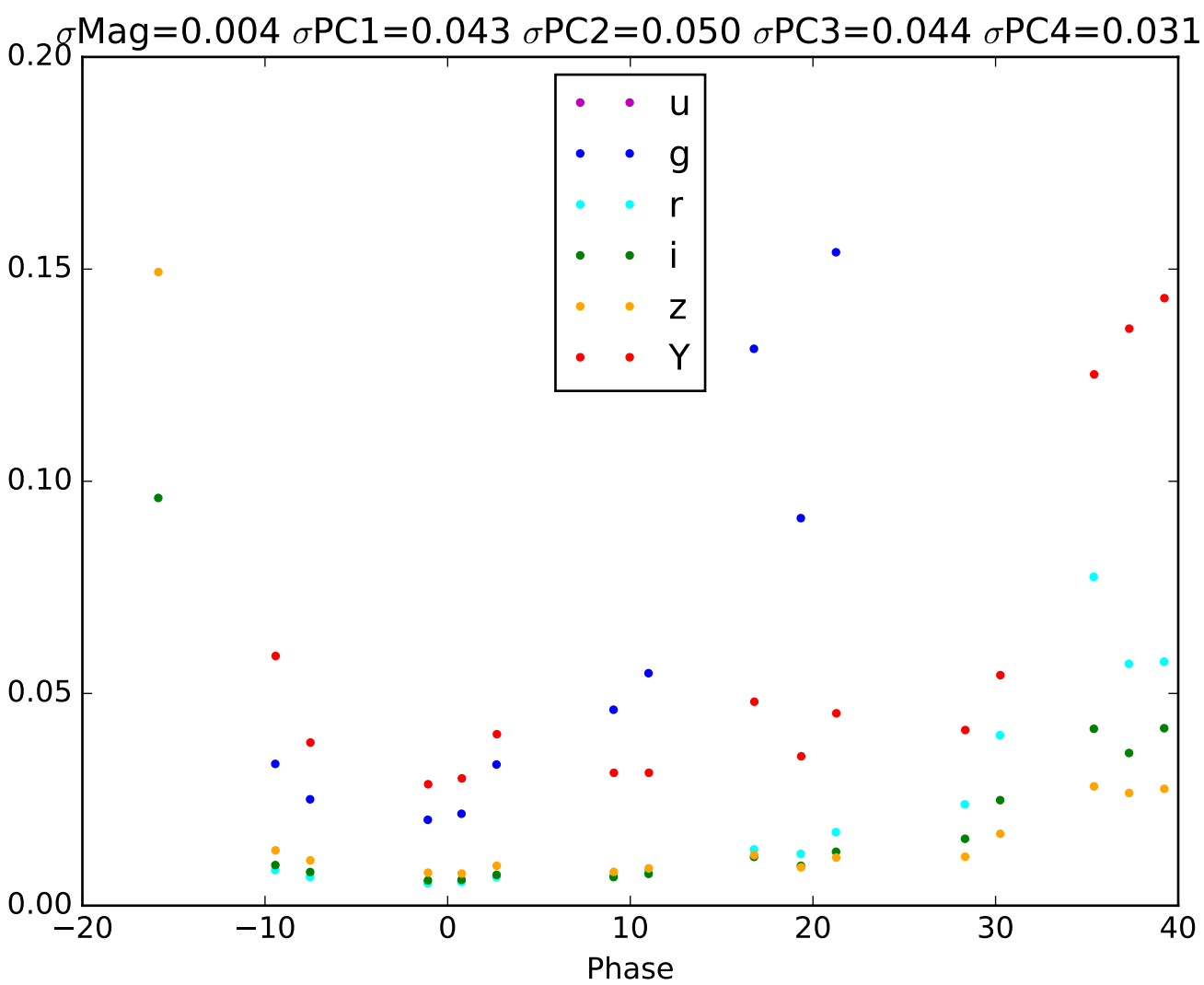
20

30

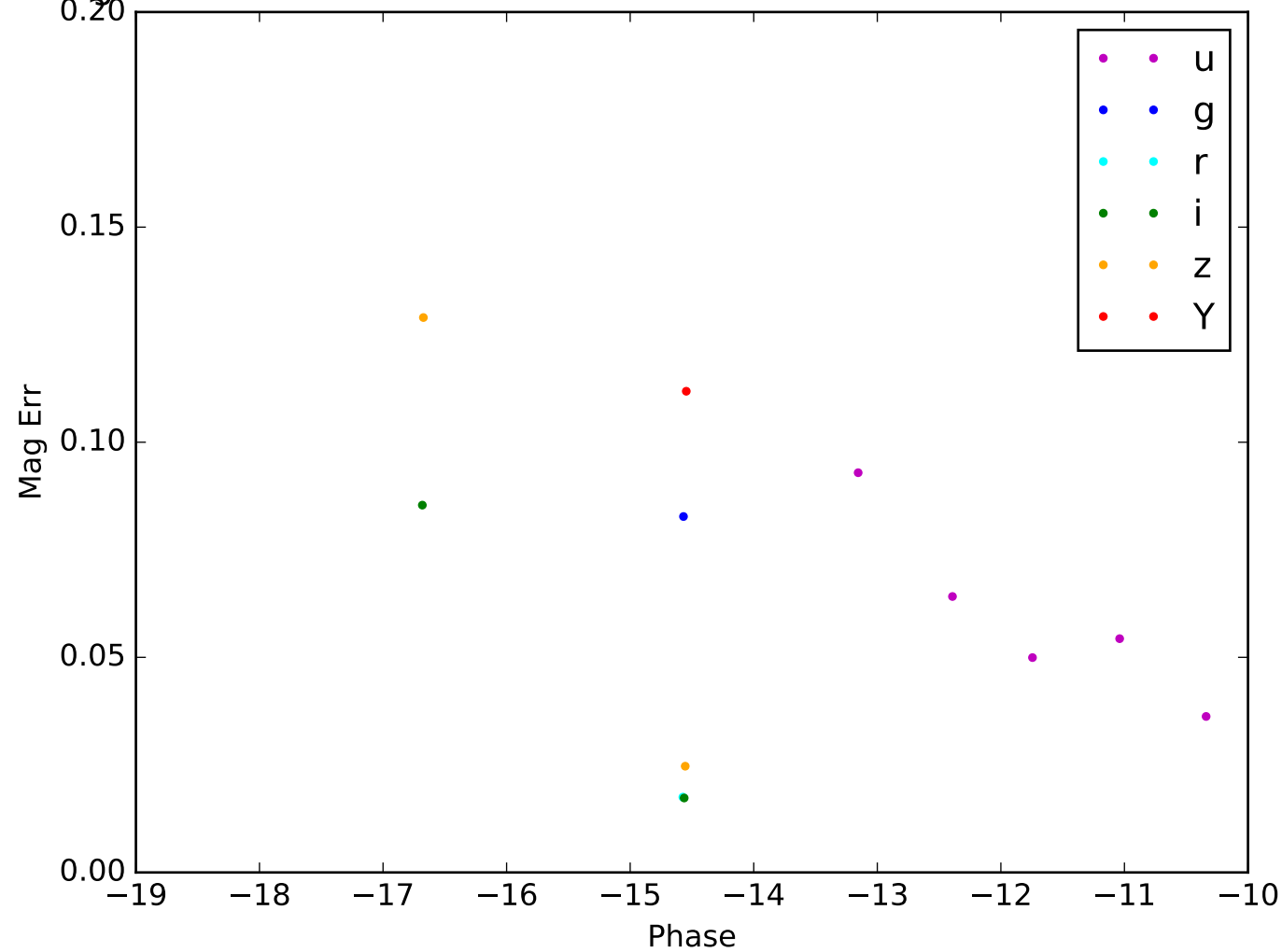
40

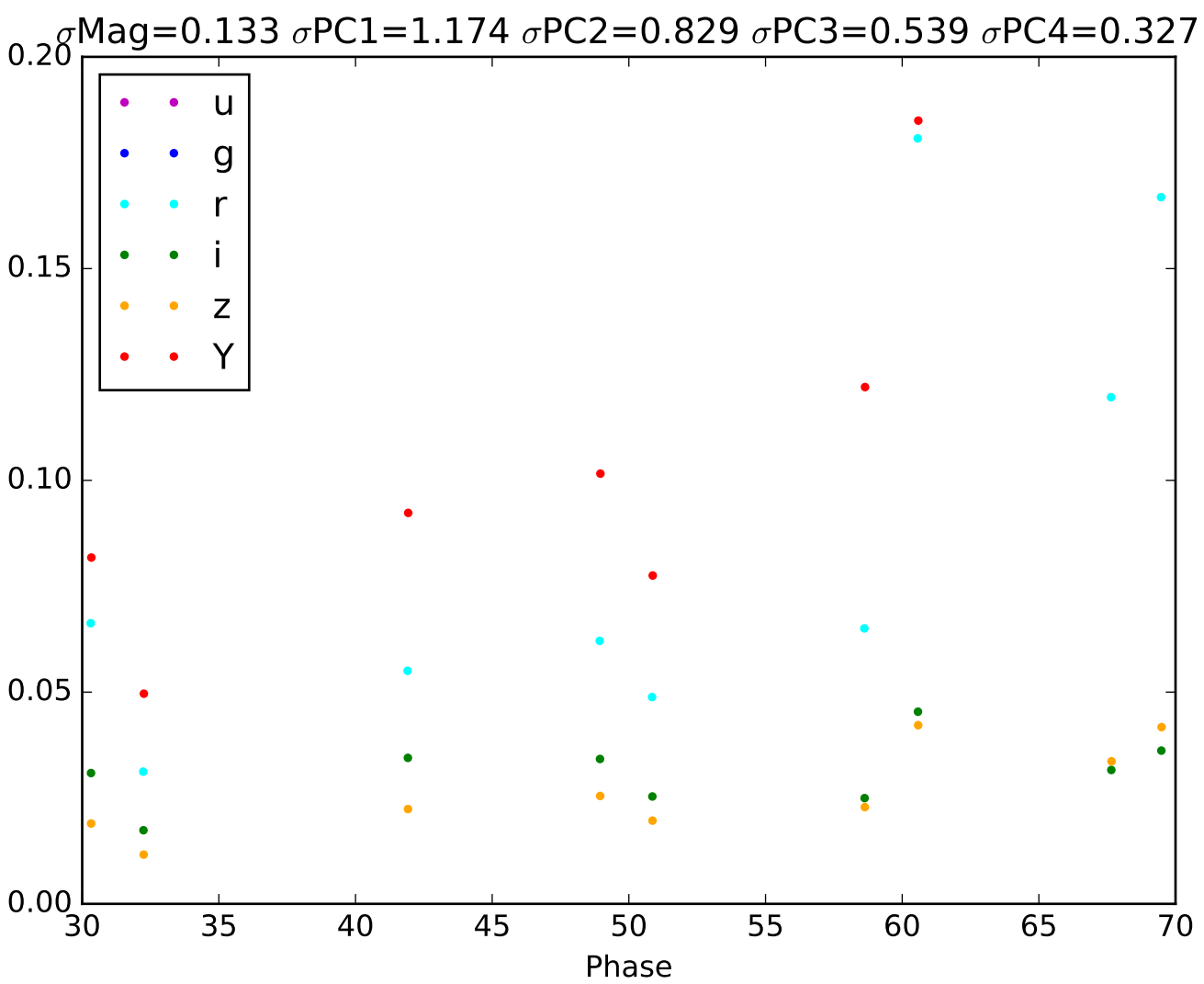


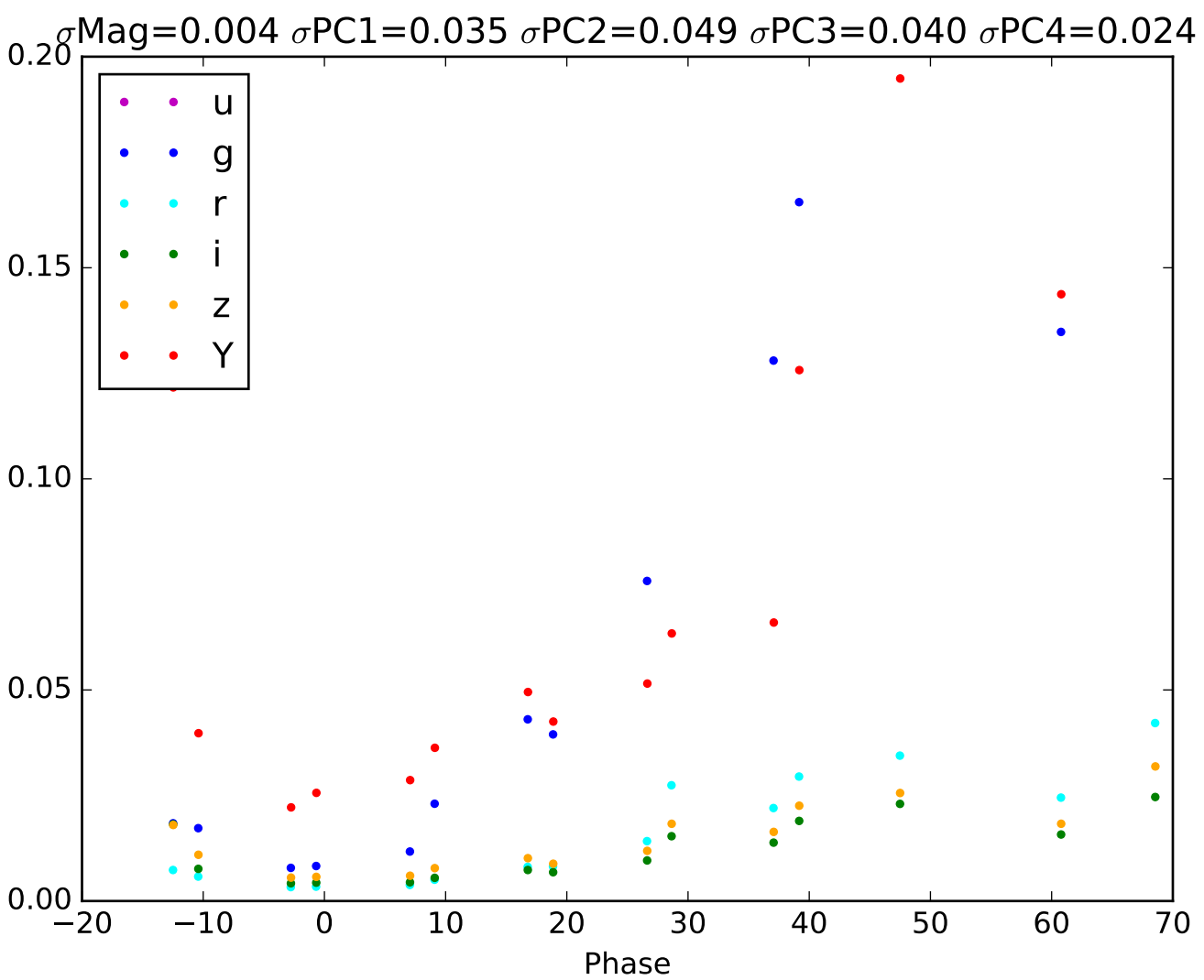


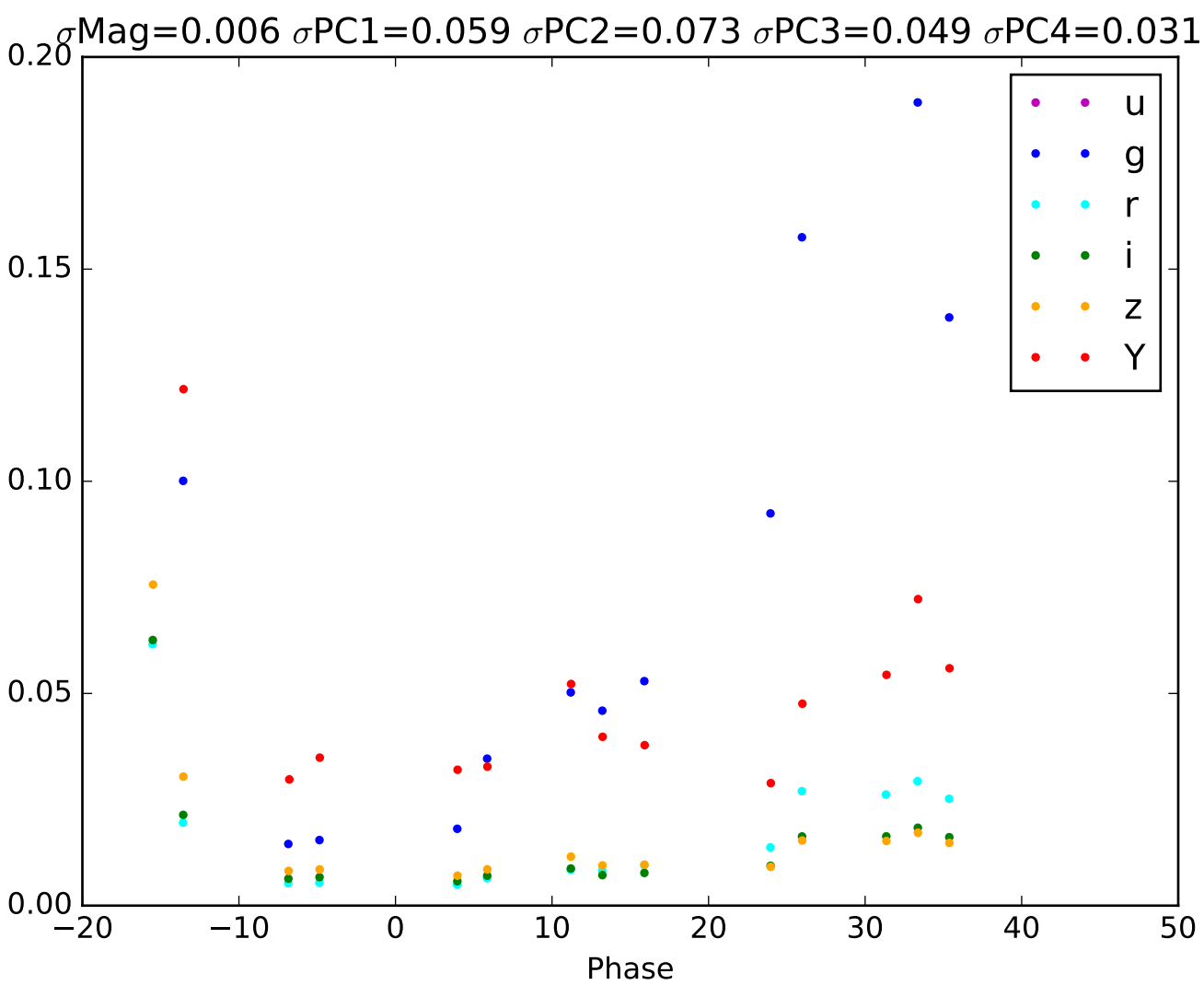


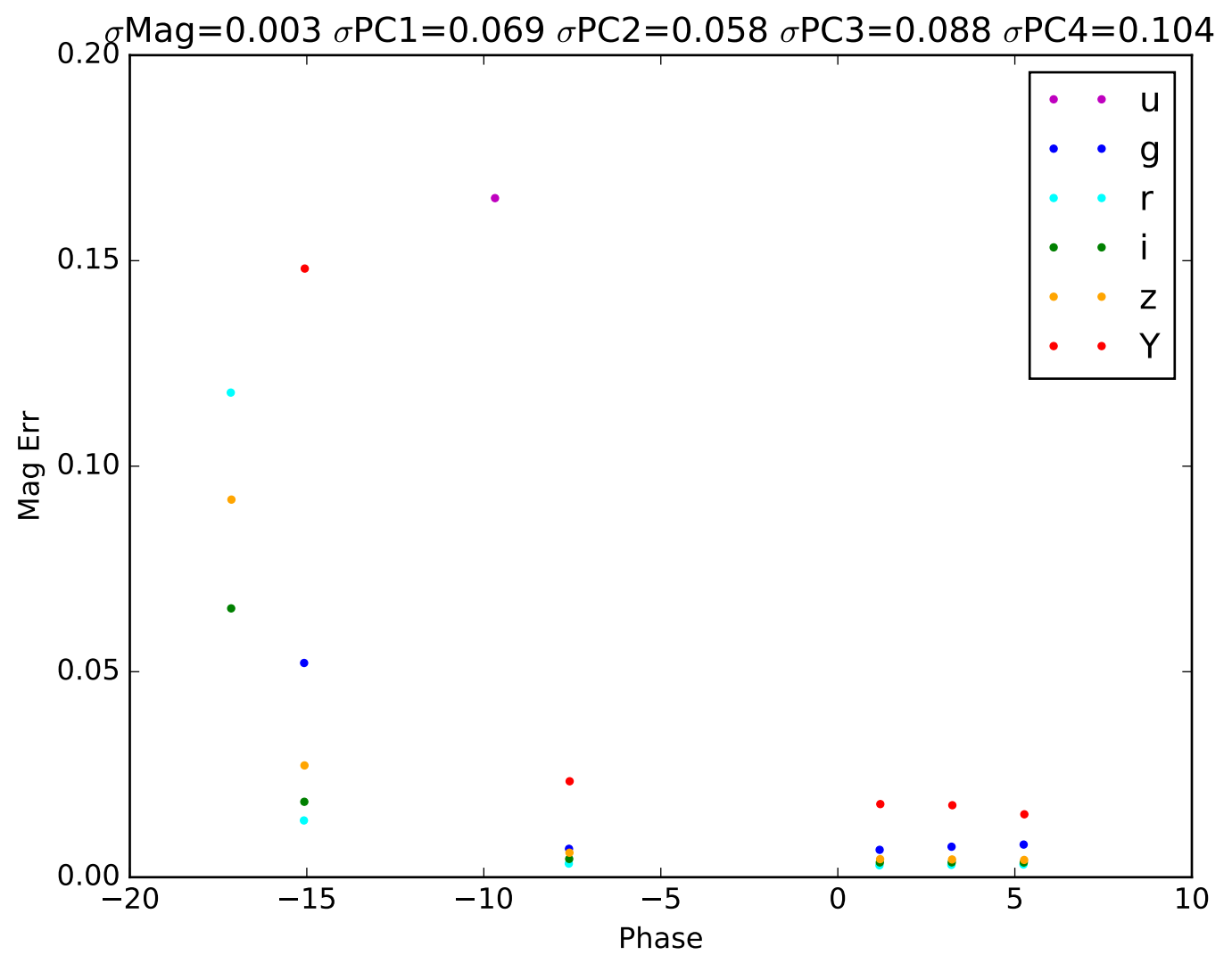
$\sigma_{\text{Mag}}=27.735$ $\sigma_{\text{PC1}}=306.801$ $\sigma_{\text{PC2}}=218.523$ $\sigma_{\text{PC3}}=10.539$ $\sigma_{\text{PC4}}=106.751$

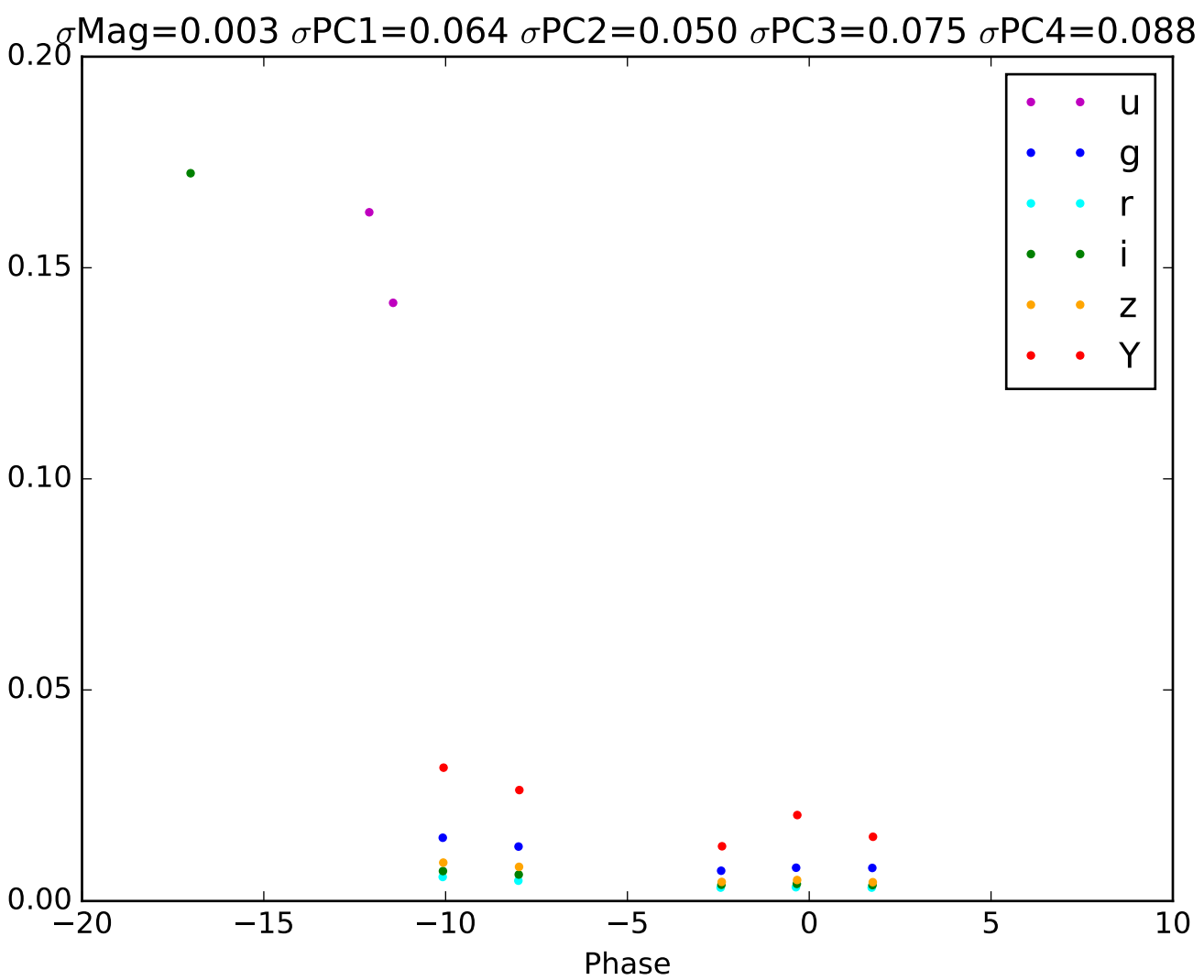




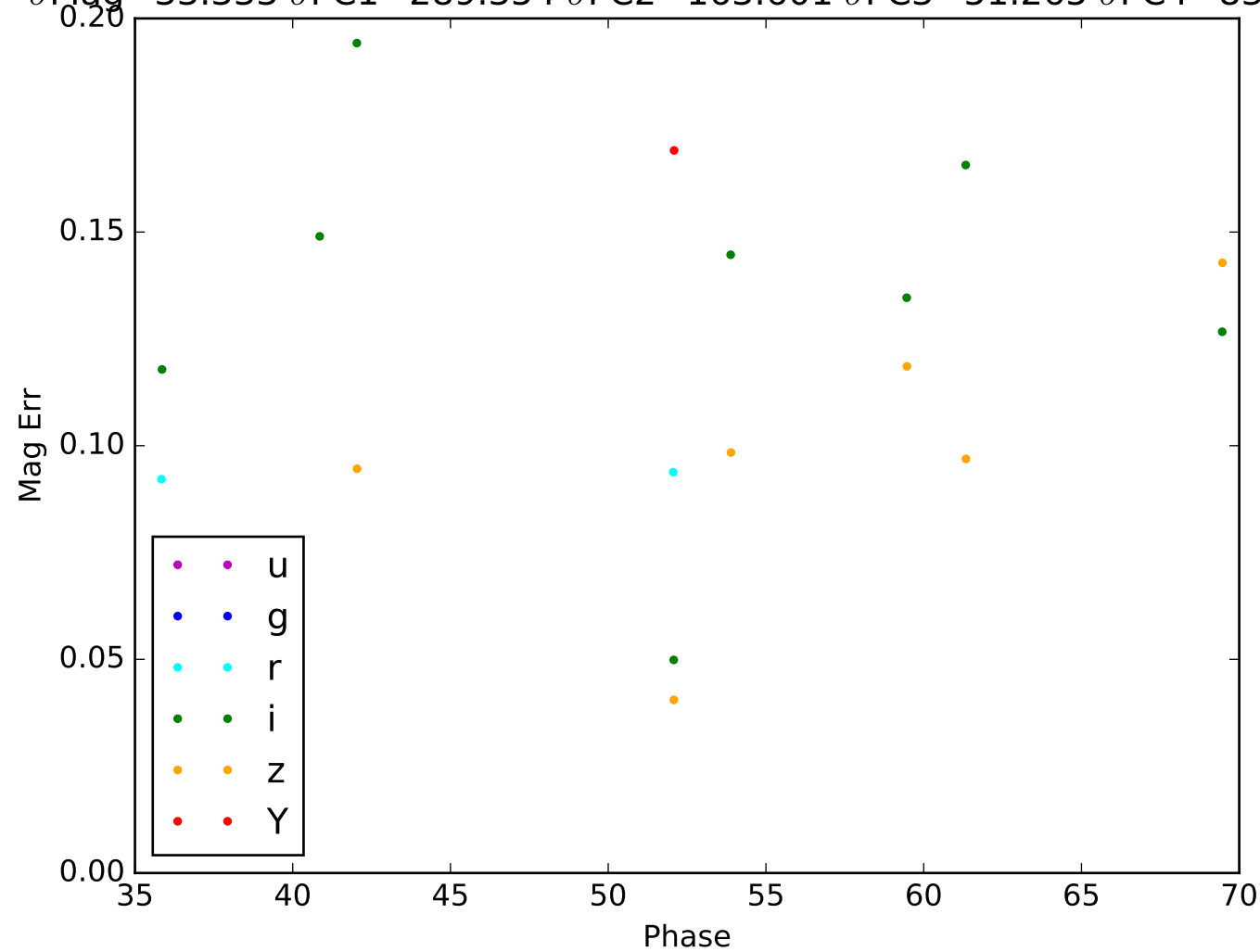


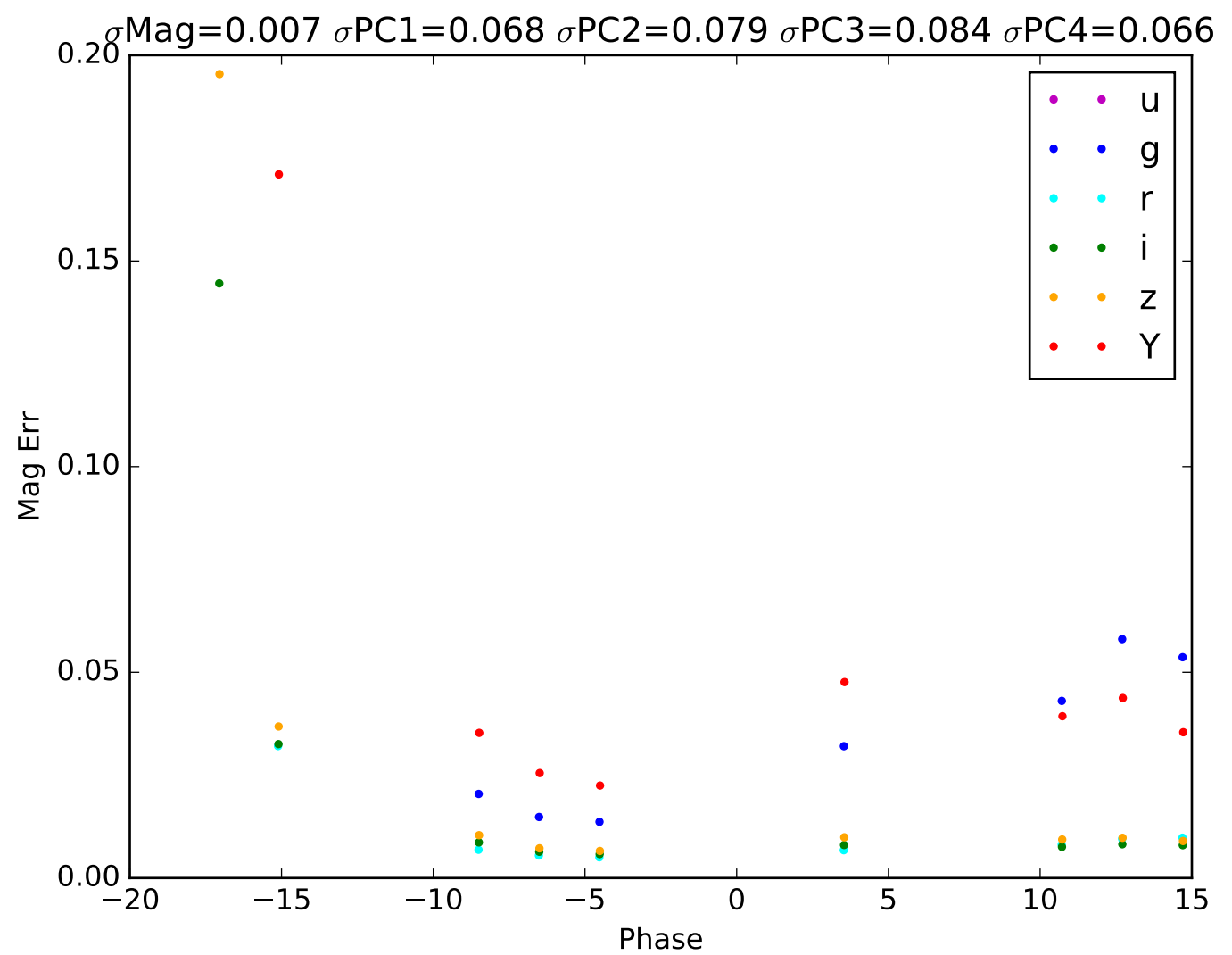


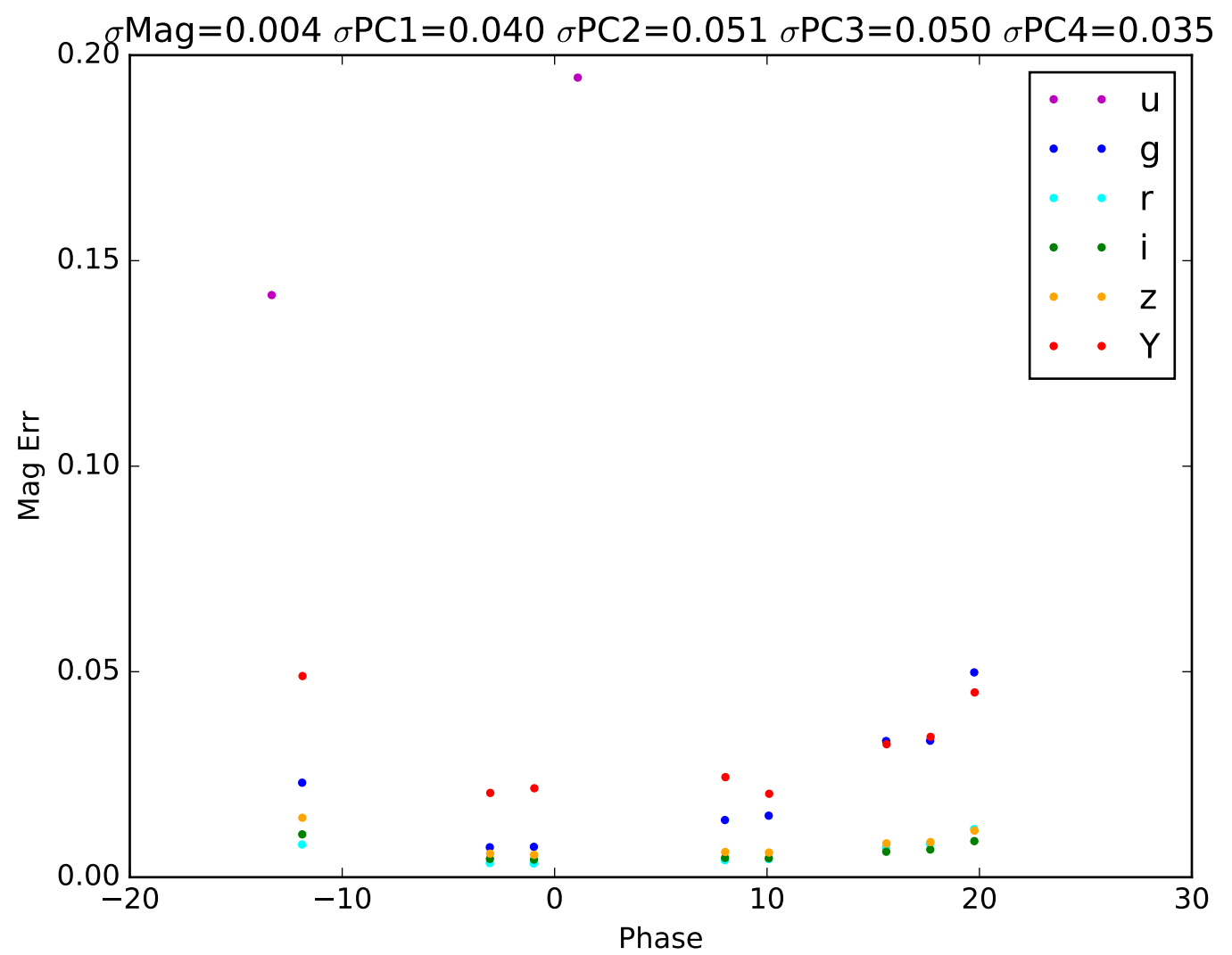


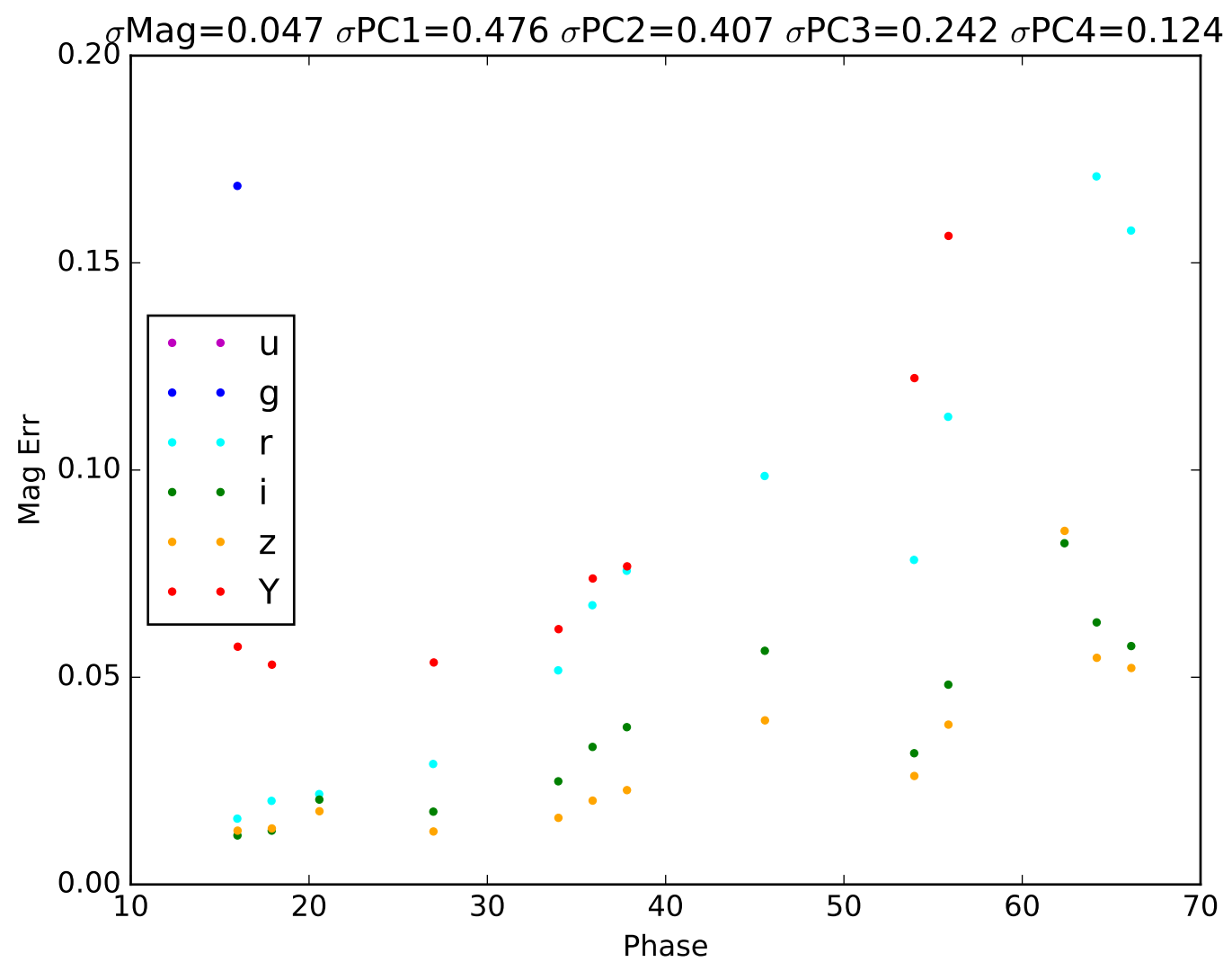


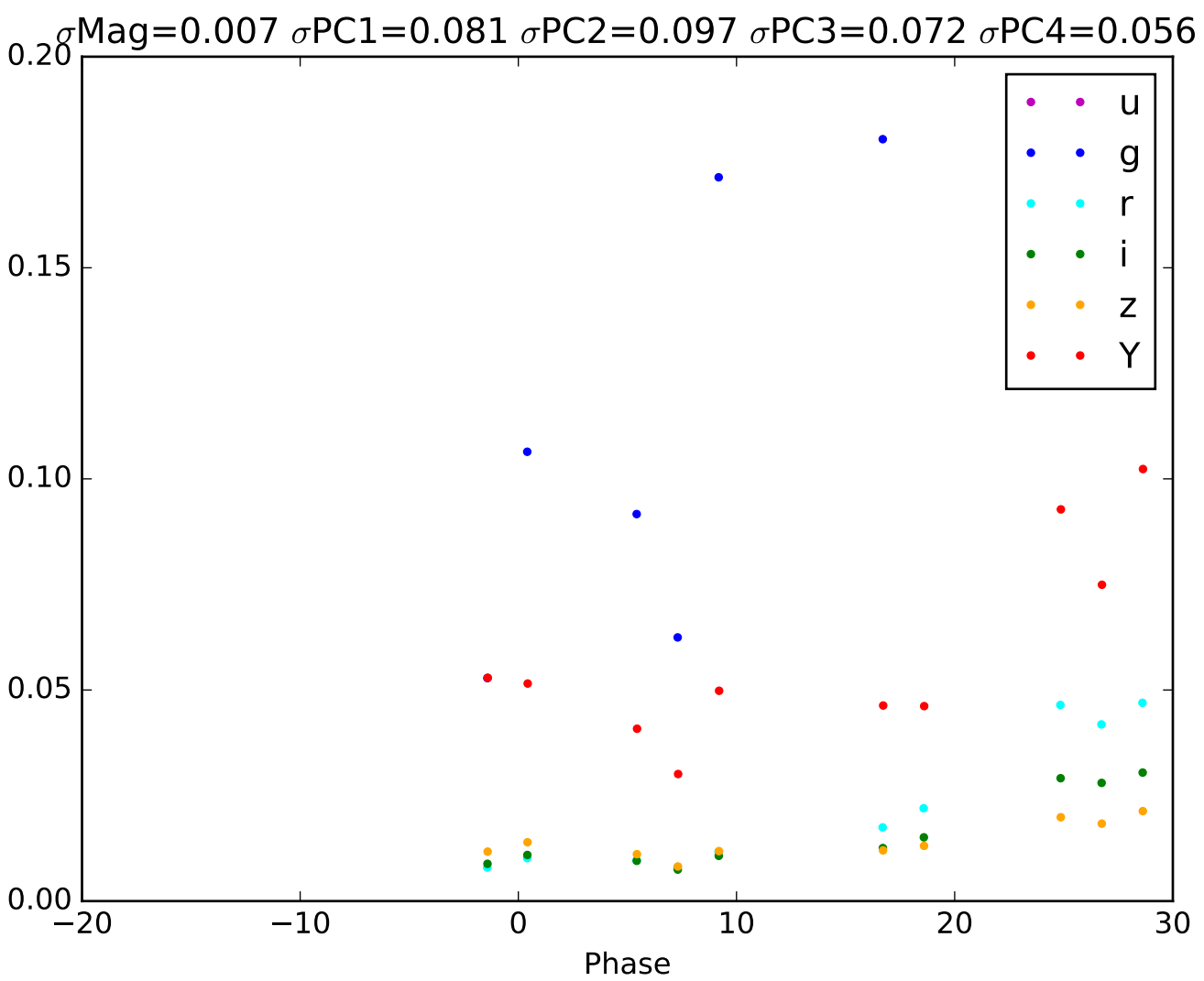
$\sigma_{\text{Mag}}=33.333$ $\sigma_{\text{PC1}}=289.354$ $\sigma_{\text{PC2}}=163.601$ $\sigma_{\text{PC3}}=51.265$ $\sigma_{\text{PC4}}=83.591$

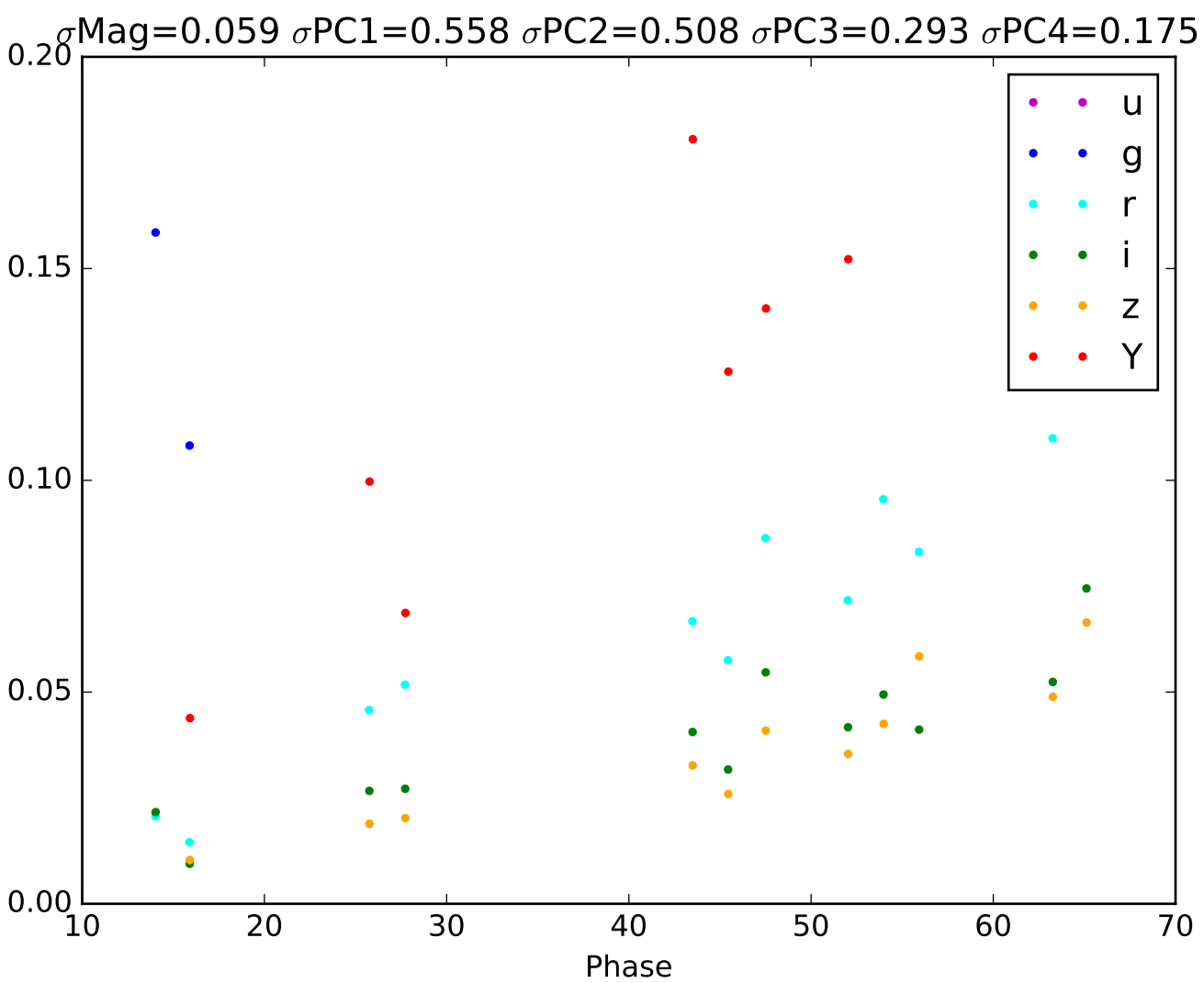


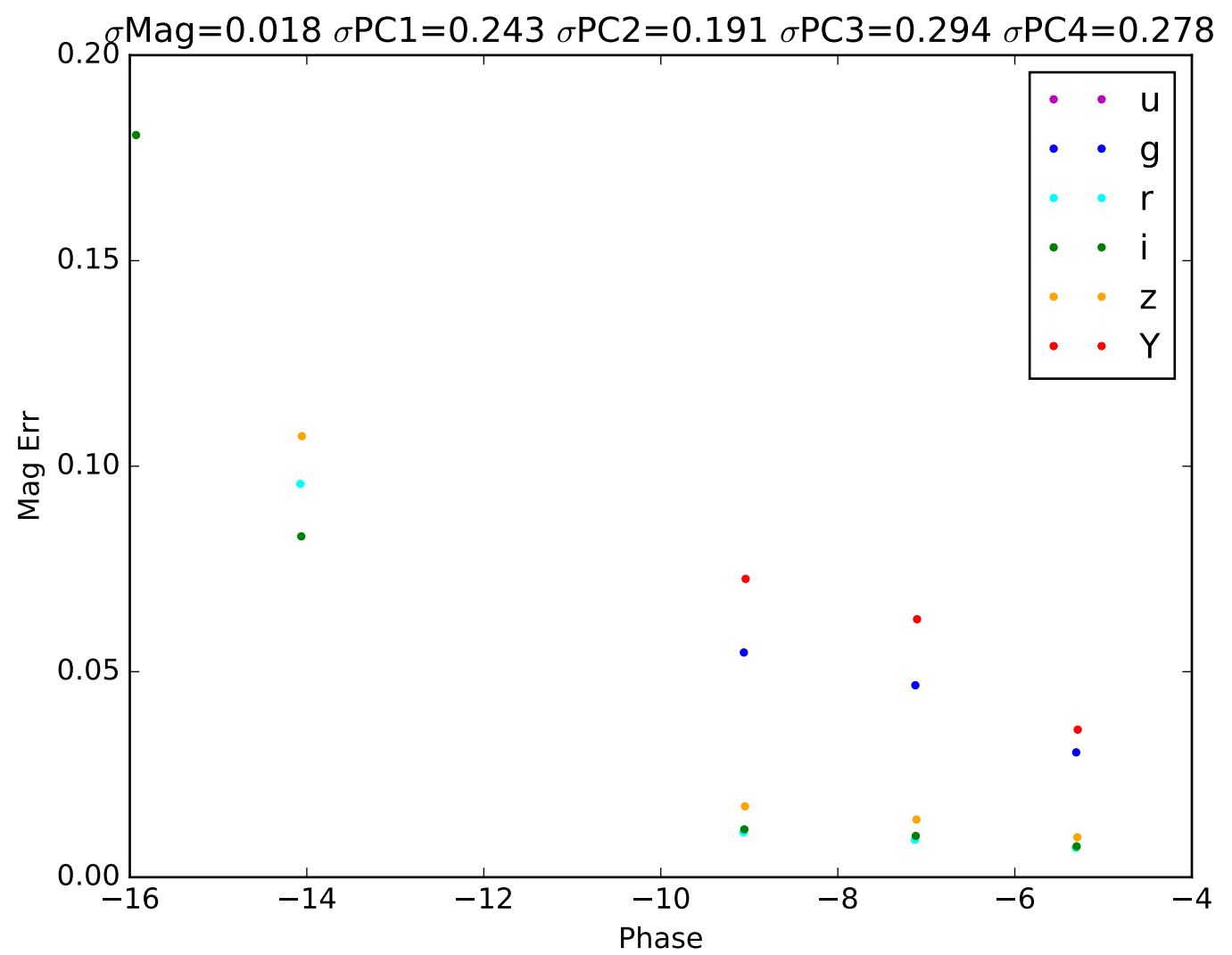




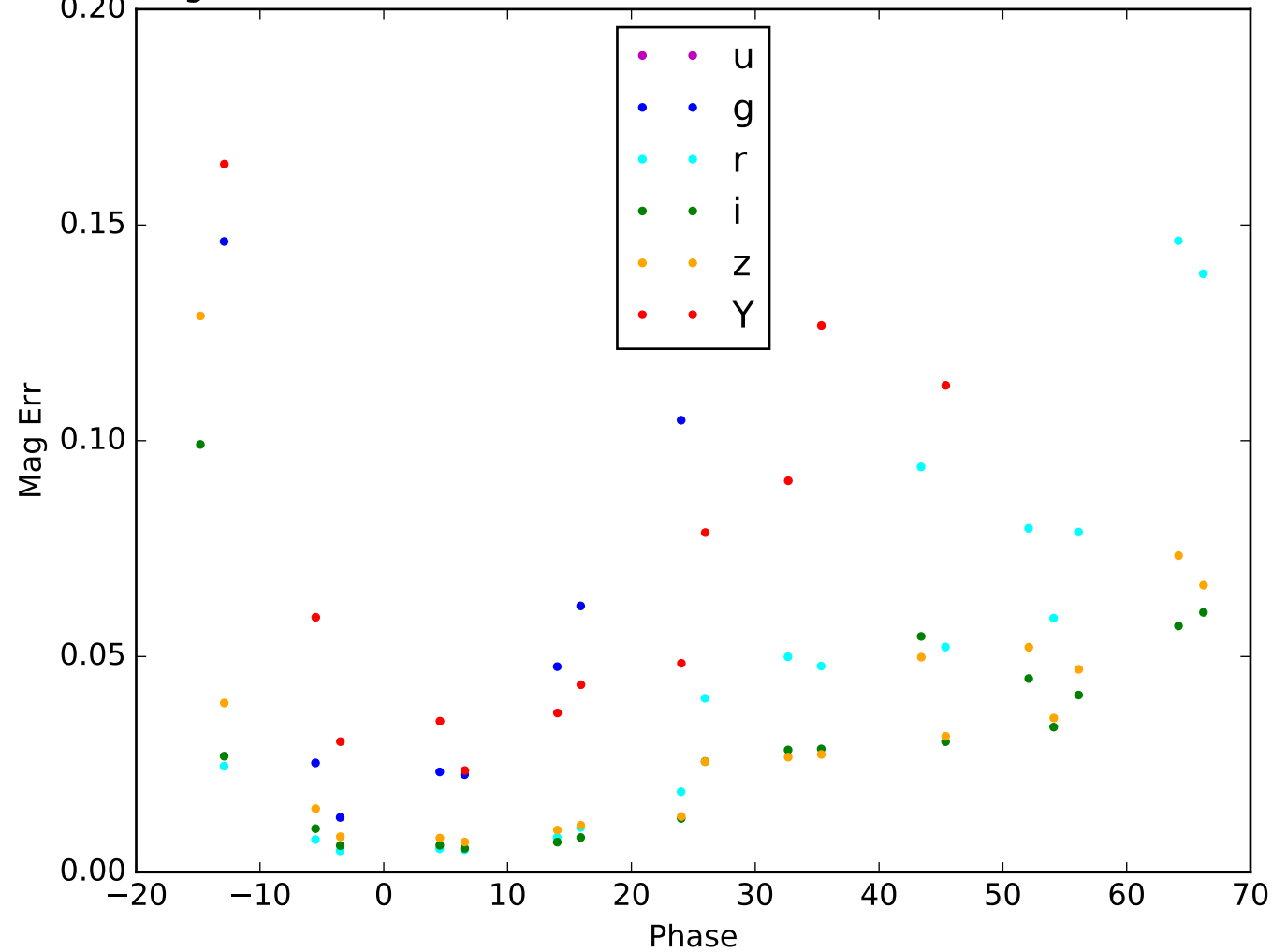




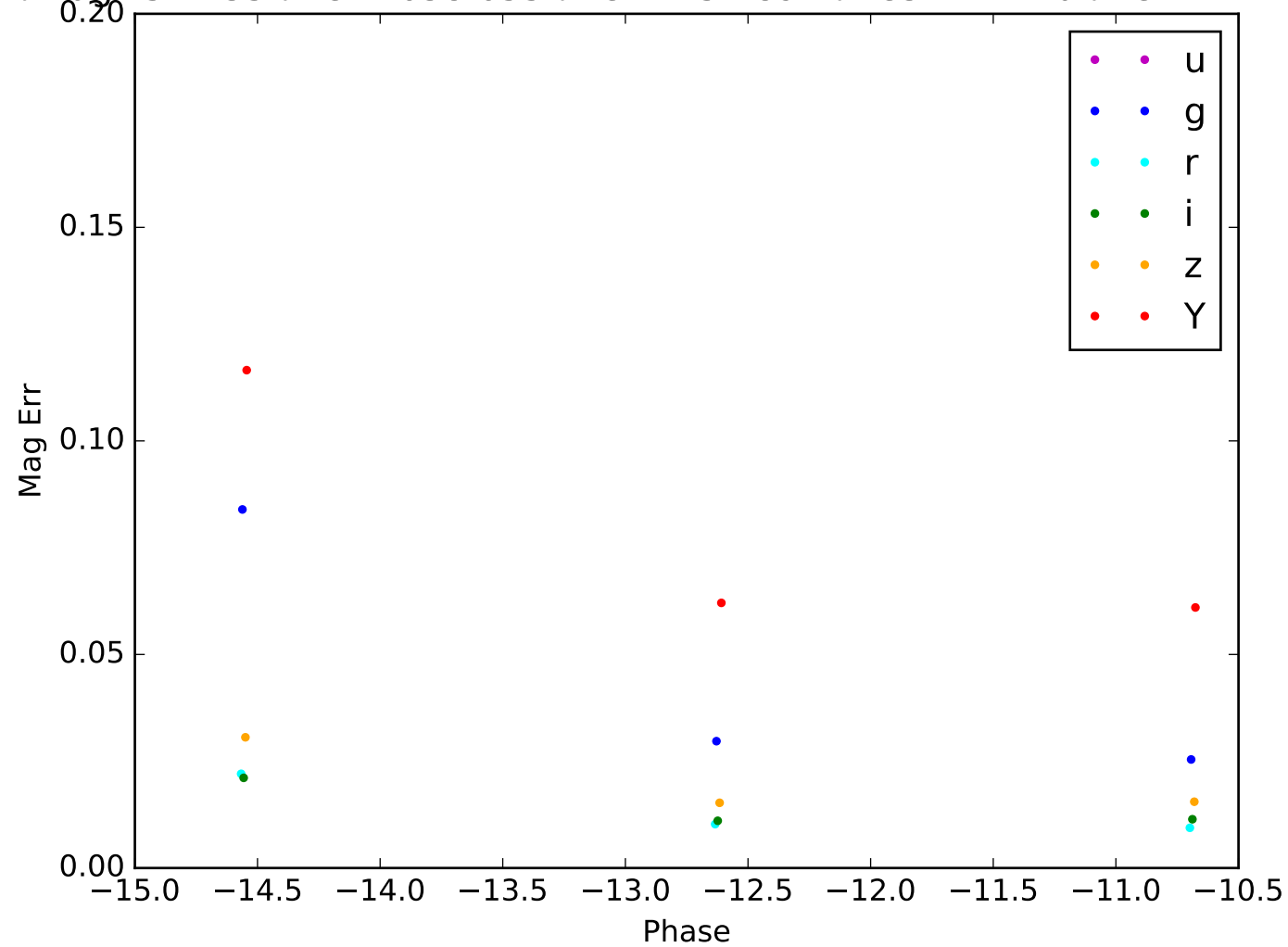


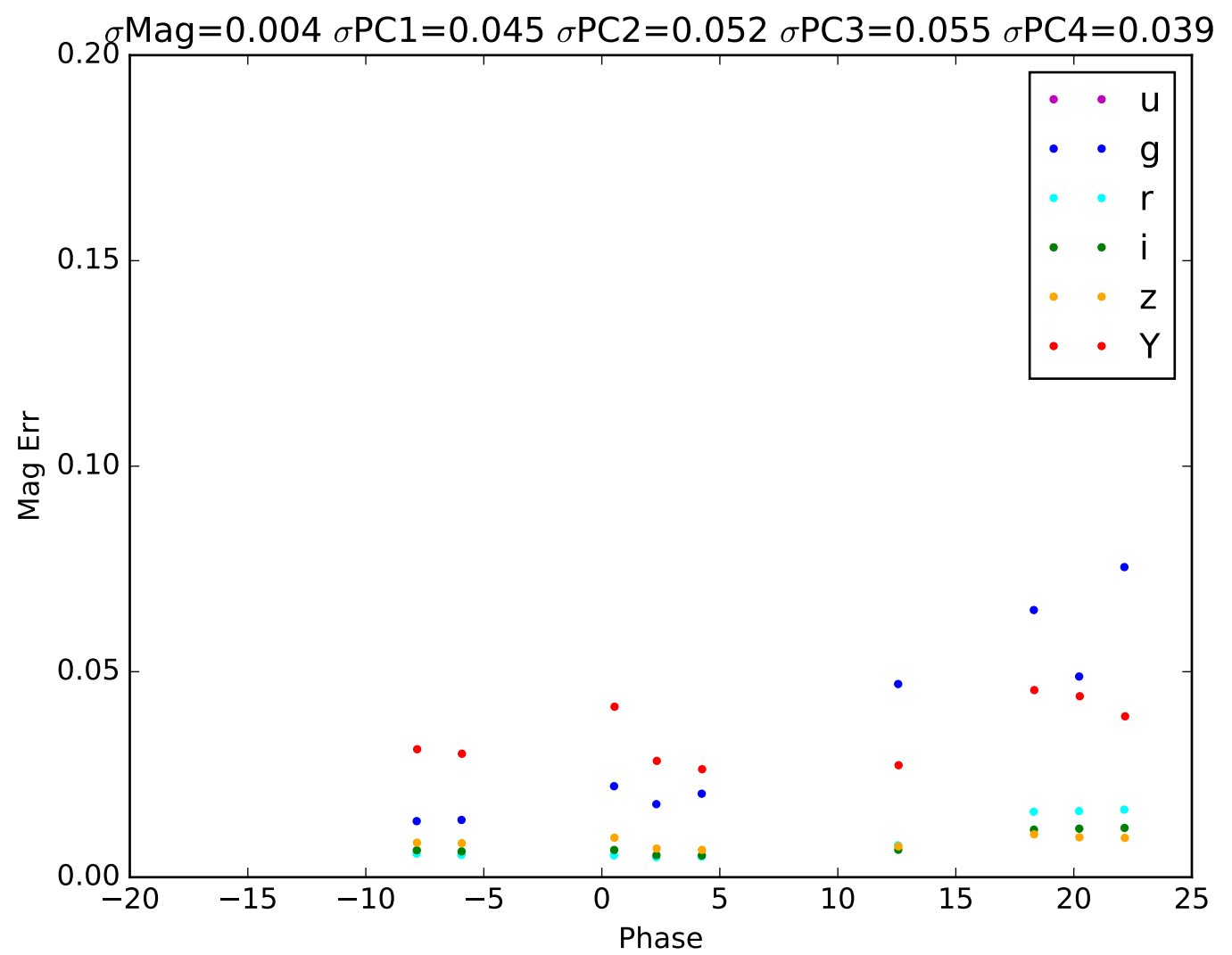


$\sigma_{\text{Mag}}=0.007$ $\sigma_{\text{PC1}}=0.067$ $\sigma_{\text{PC2}}=0.089$ $\sigma_{\text{PC3}}=0.060$ $\sigma_{\text{PC4}}=0.039$

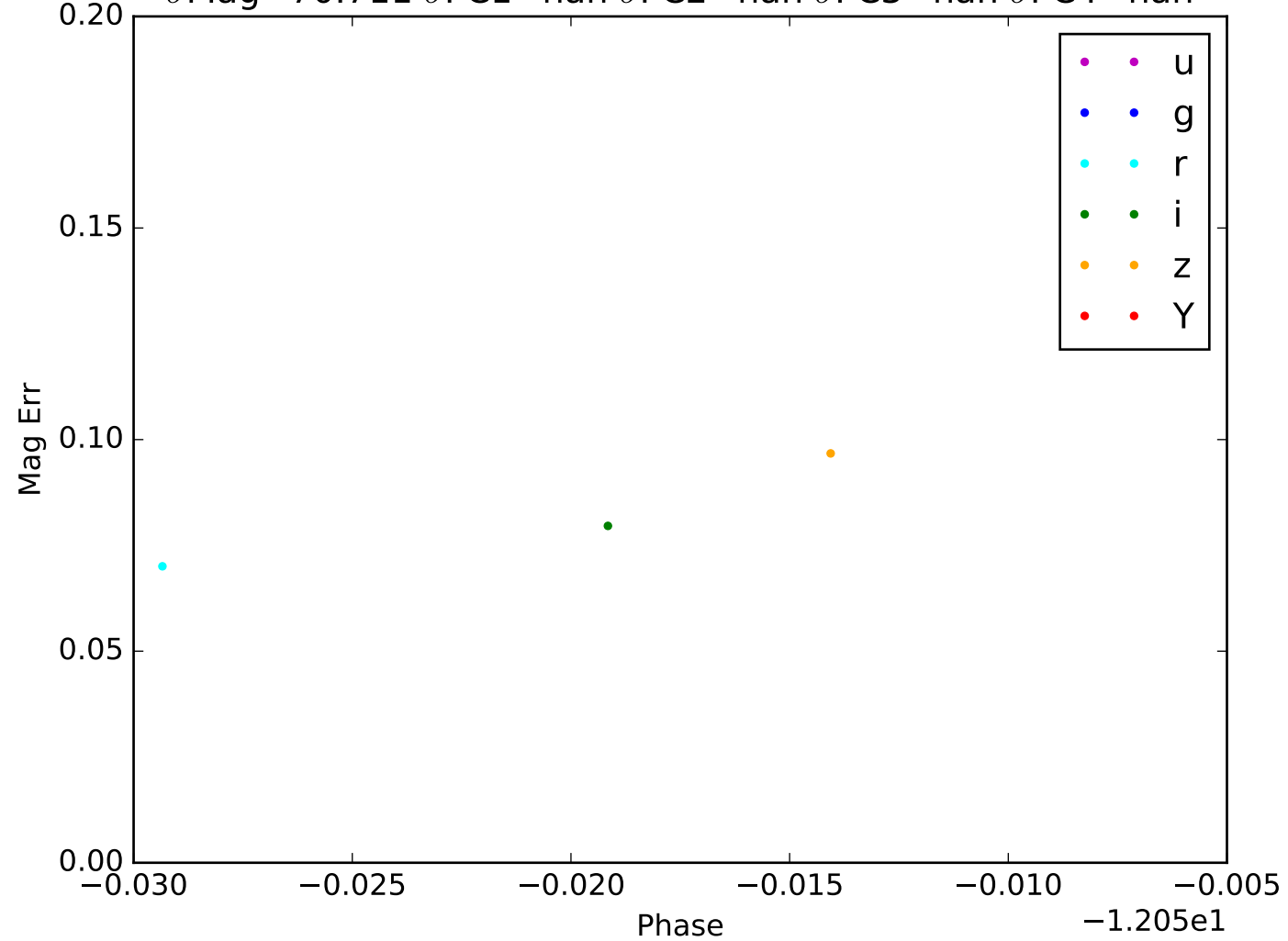


$\sigma_{\text{Mag}}=57.735$ $\sigma_{\text{PC1}}=638.655$ $\sigma_{\text{PC2}}=454.891$ $\sigma_{\text{PC3}}=21.770$ $\sigma_{\text{PC4}}=222.214$

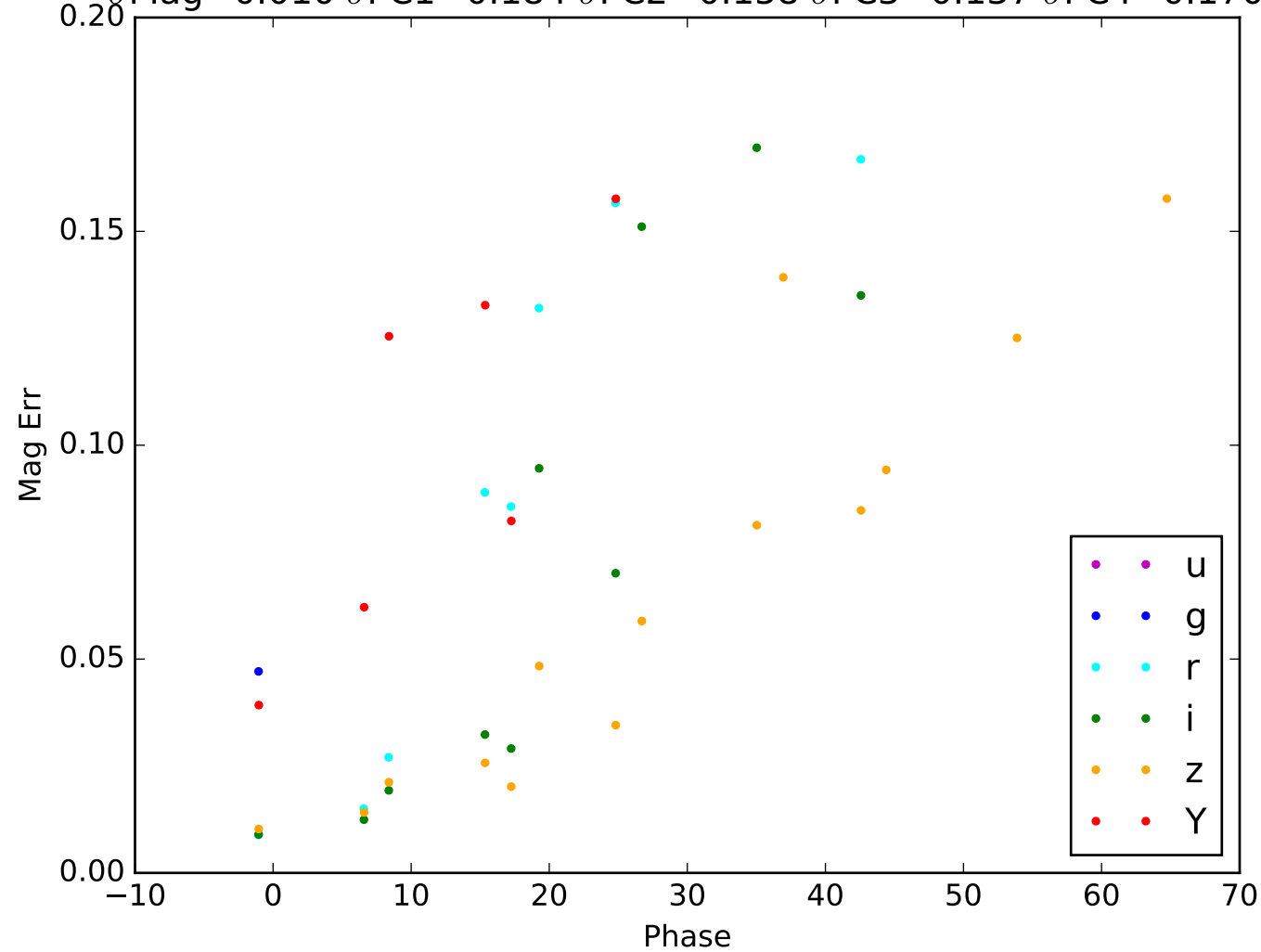


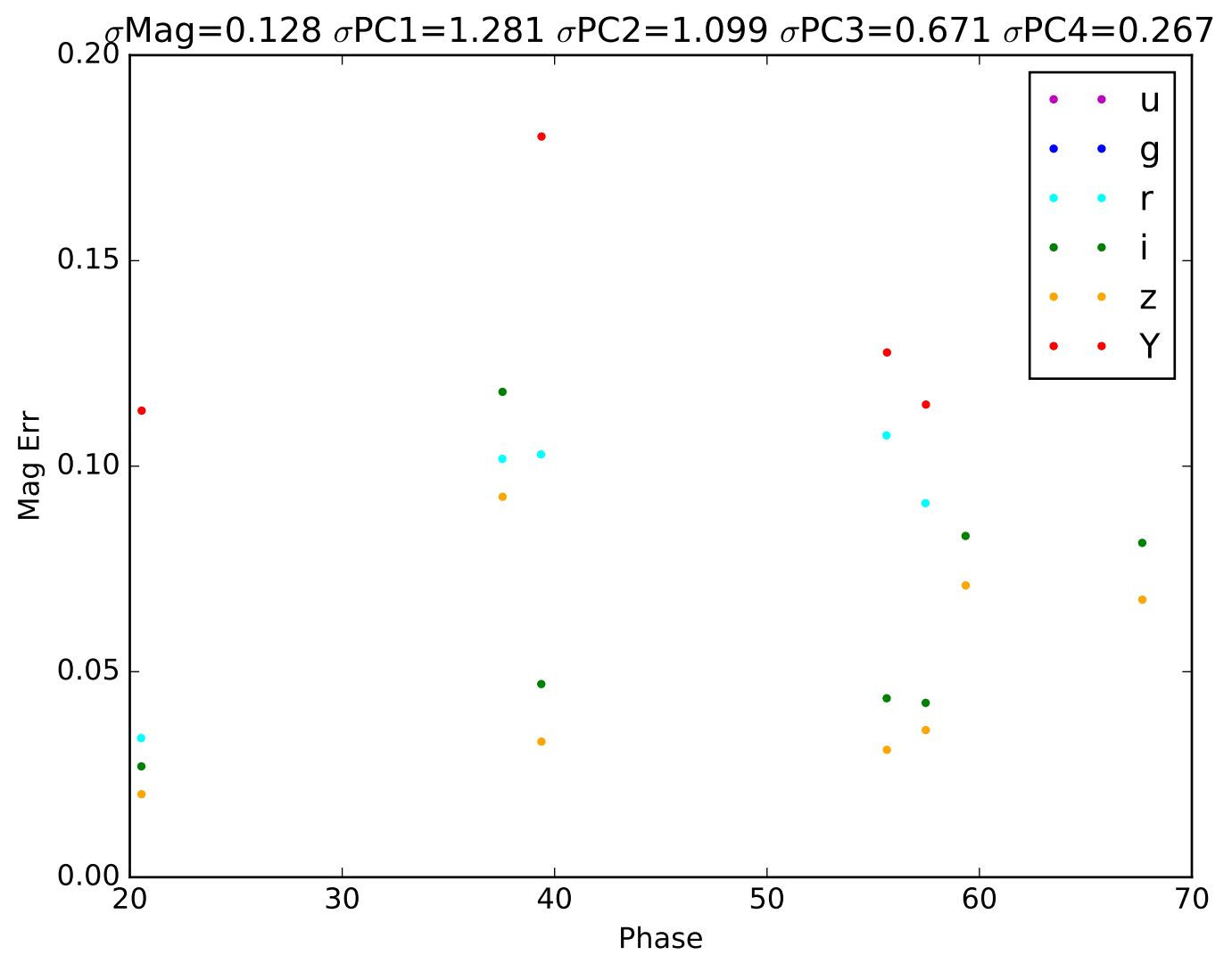


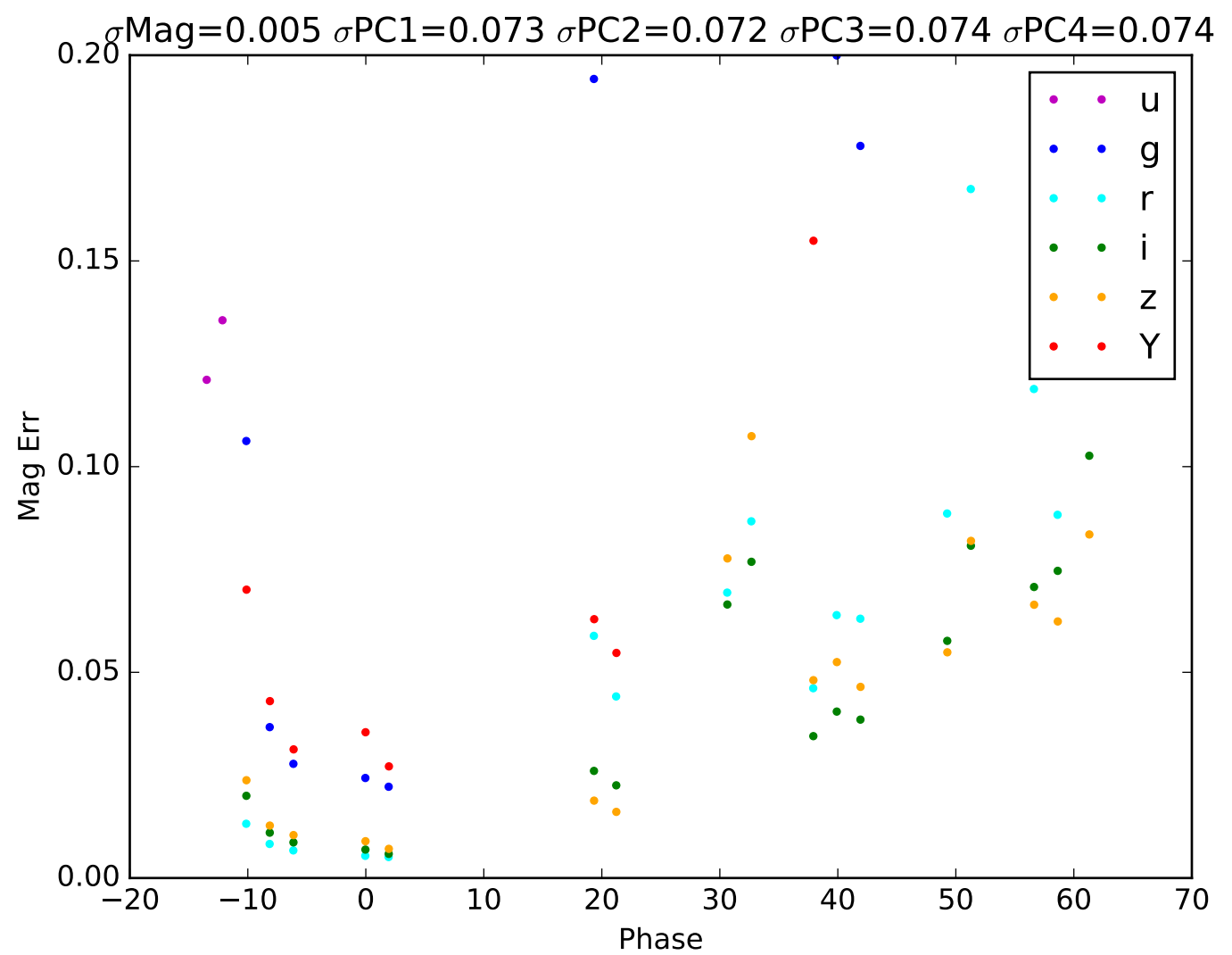
$\sigma\text{Mag}=70.711$ $\sigma\text{PC1}=\text{nan}$ $\sigma\text{PC2}=\text{nan}$ $\sigma\text{PC3}=\text{nan}$ $\sigma\text{PC4}=\text{nan}$

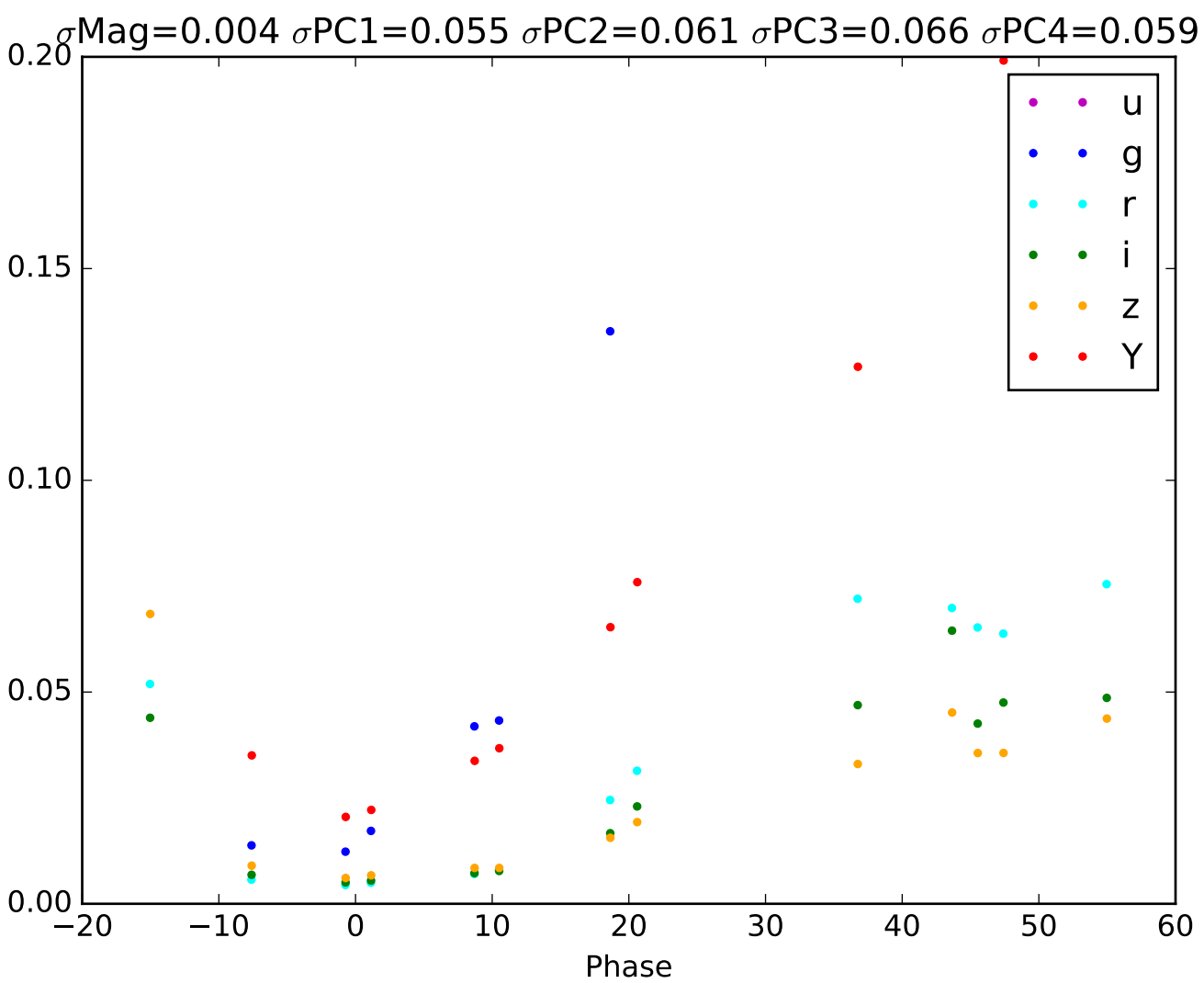


$\sigma_{\text{Mag}}=0.010$ $\sigma_{\text{PC1}}=0.184$ $\sigma_{\text{PC2}}=0.158$ $\sigma_{\text{PC3}}=0.137$ $\sigma_{\text{PC4}}=0.170$

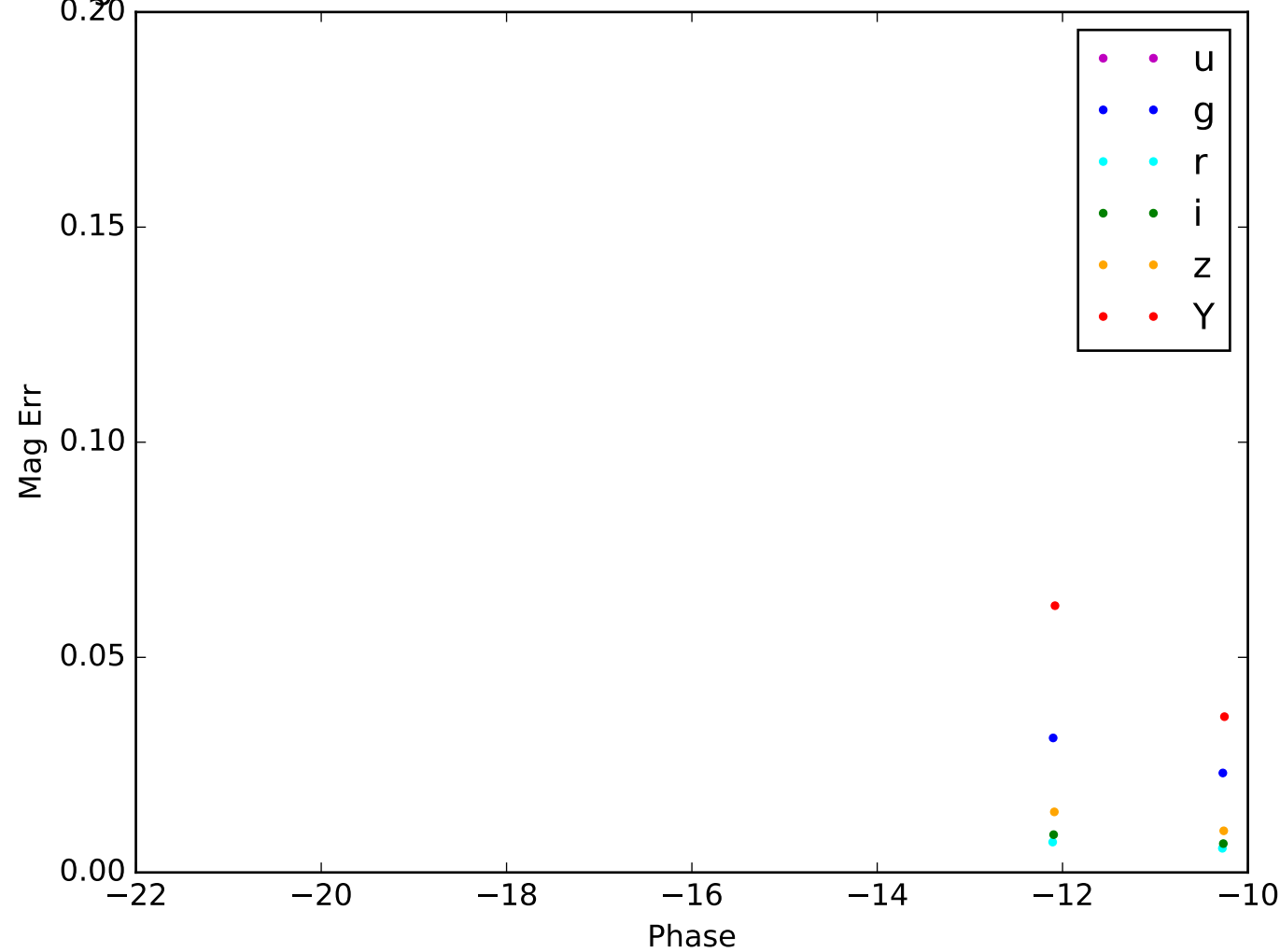


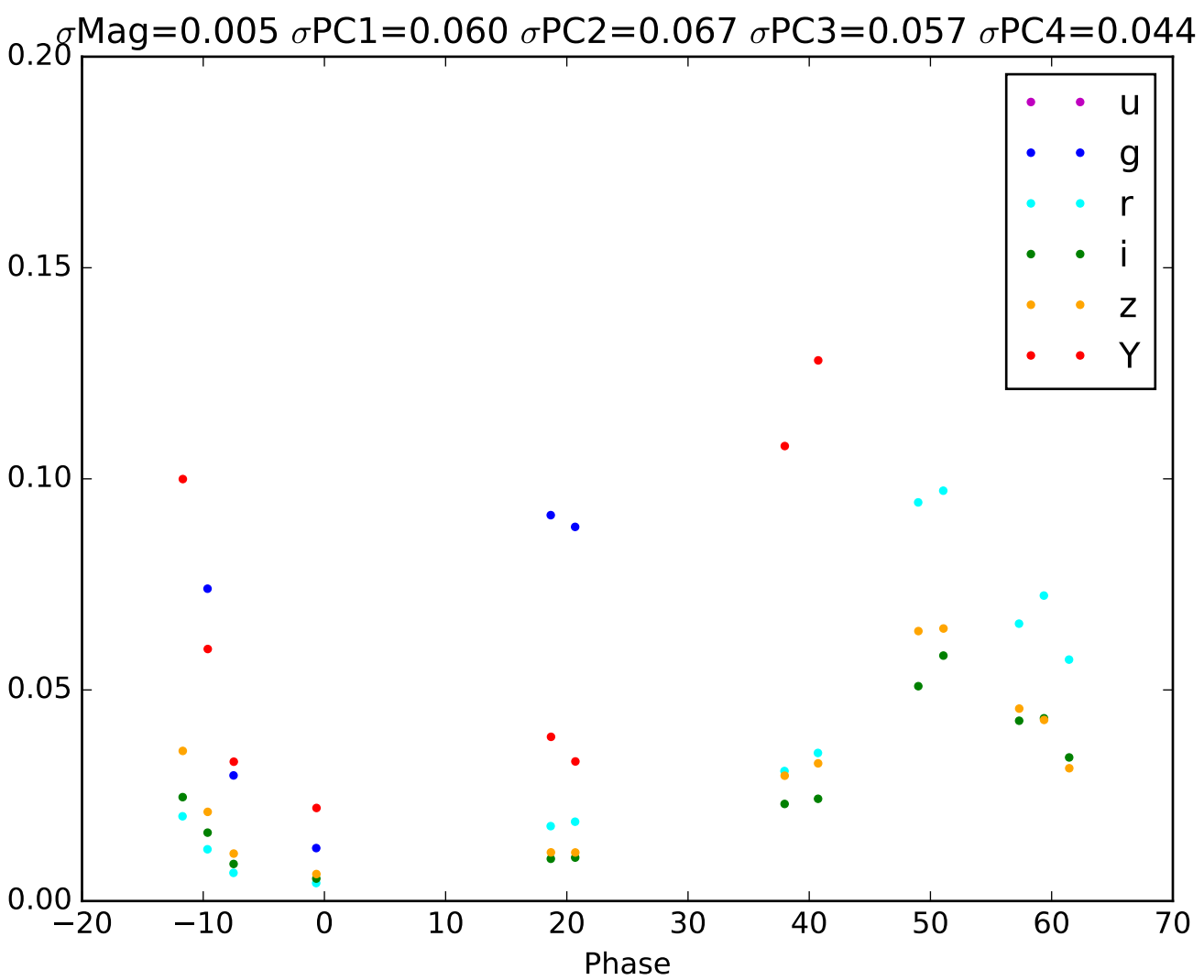


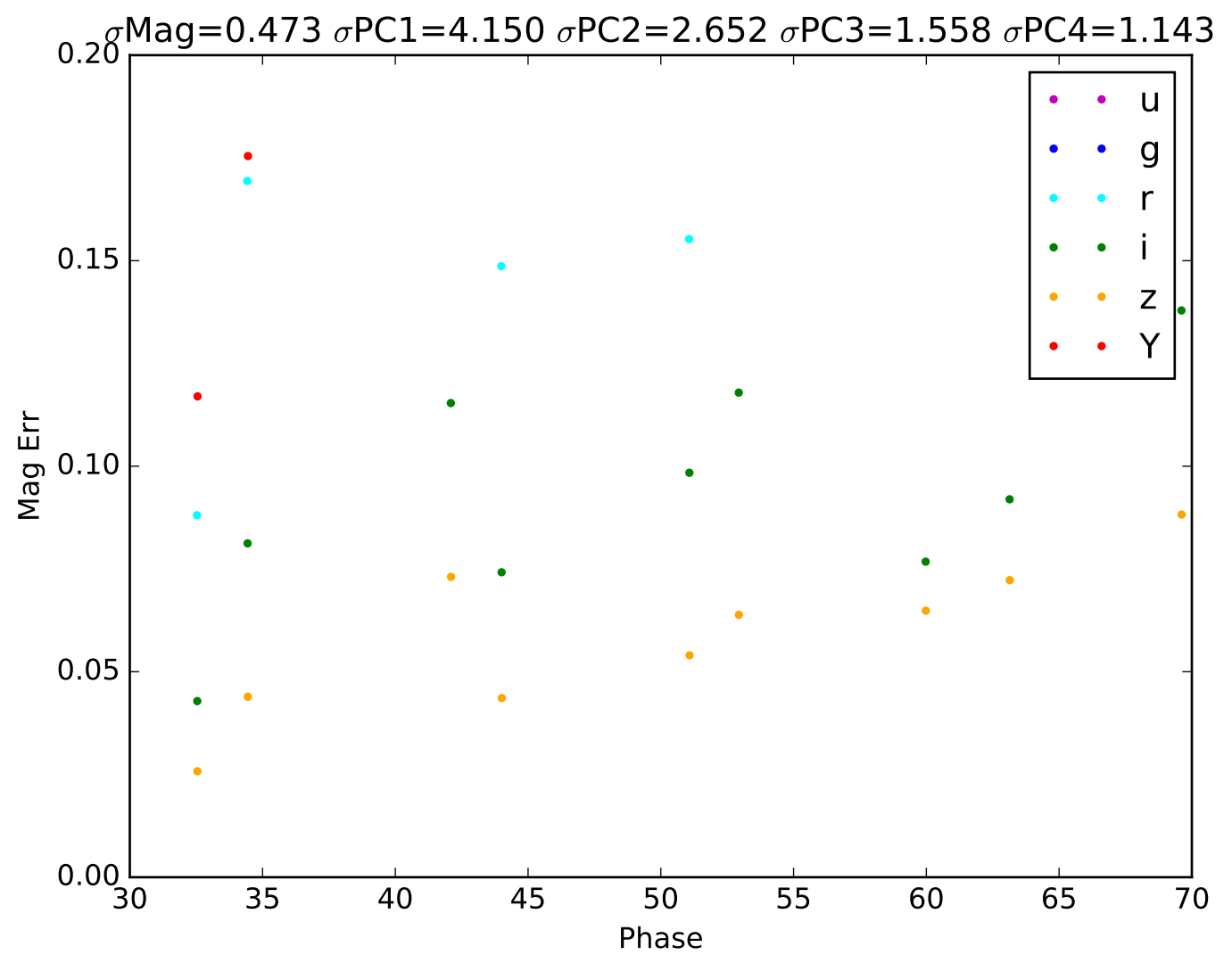




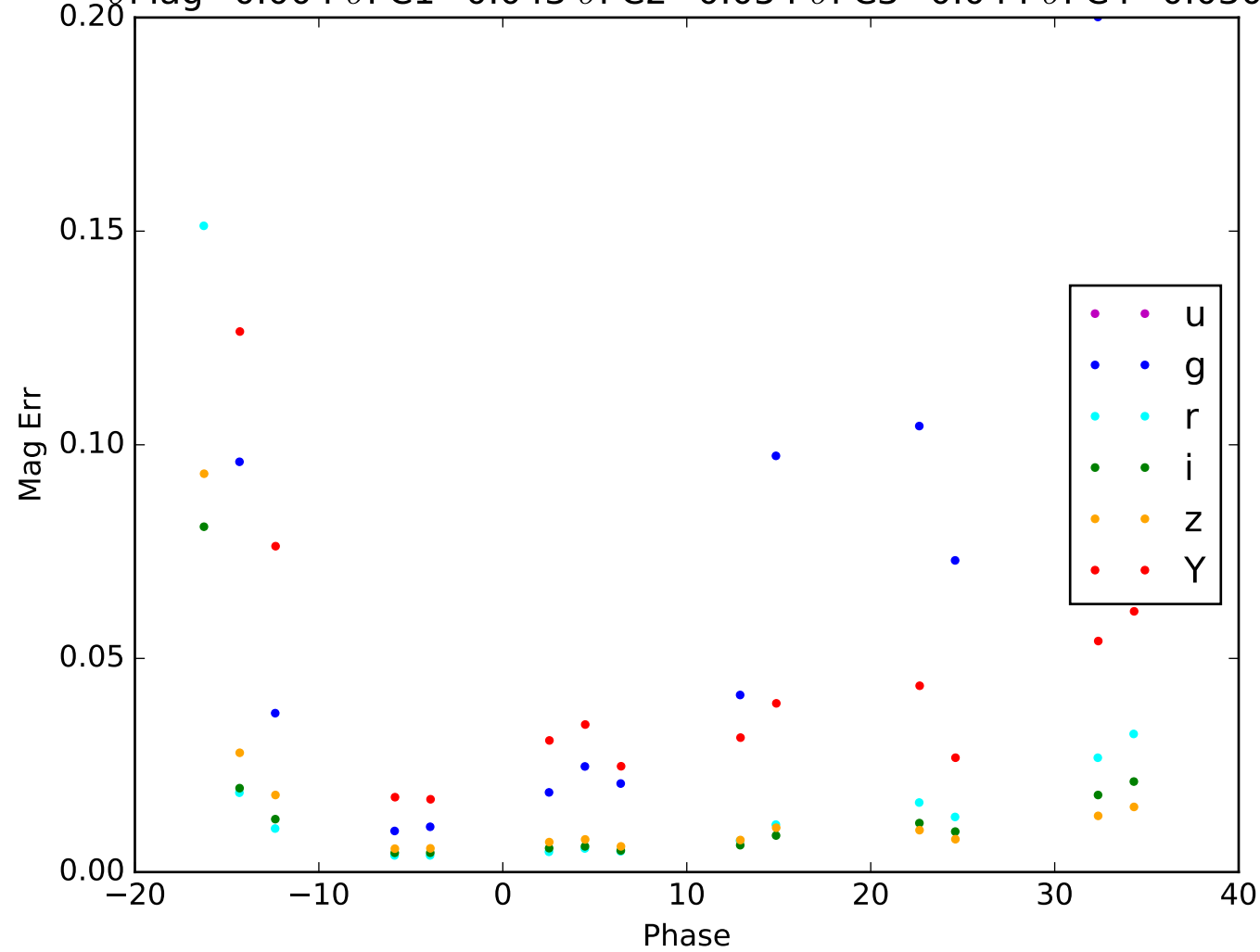
$\sigma_{\text{Mag}}=37.796$ $\sigma_{\text{PC1}}=418.098$ $\sigma_{\text{PC2}}=297.796$ $\sigma_{\text{PC3}}=14.253$ $\sigma_{\text{PC4}}=145.473$

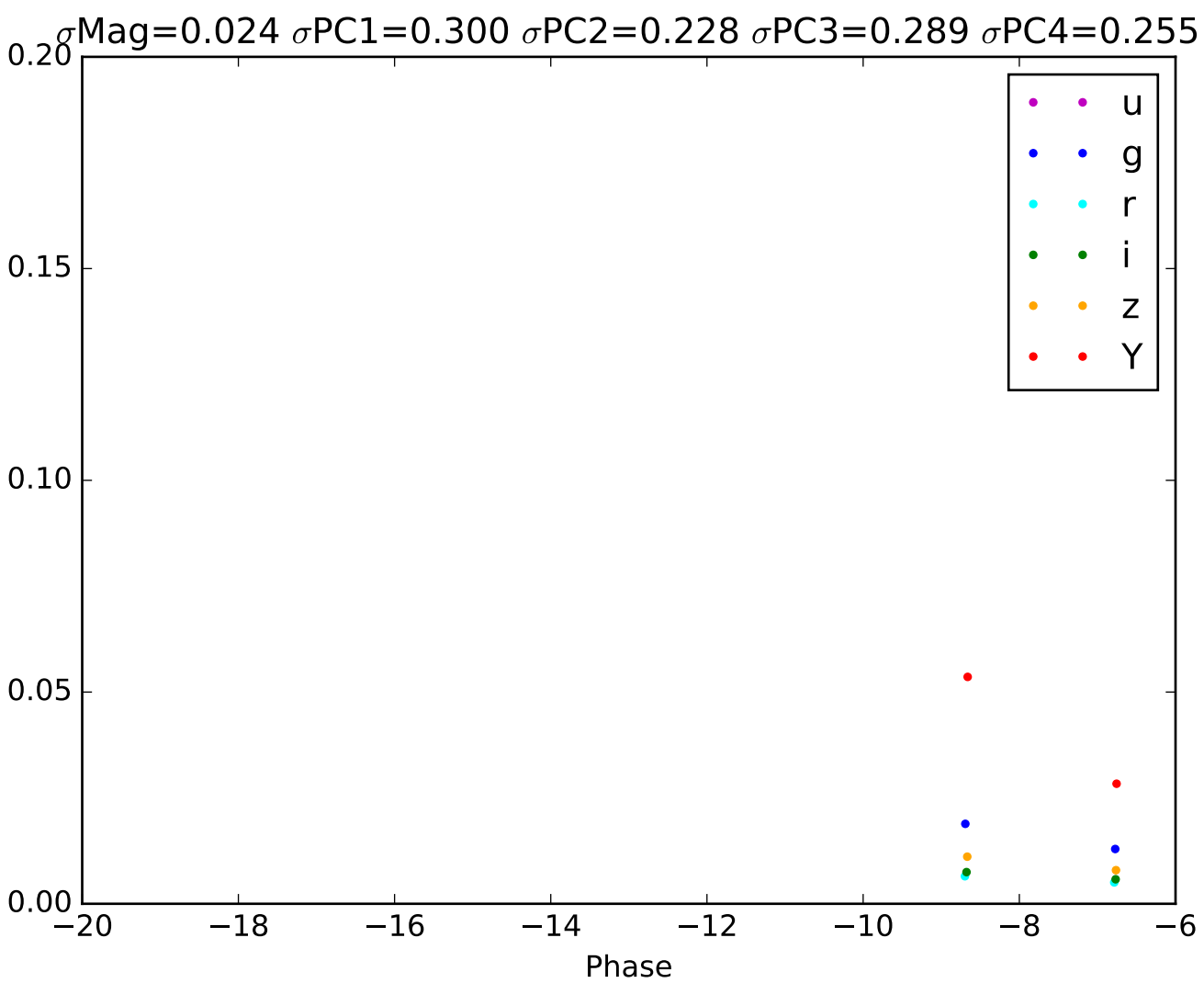




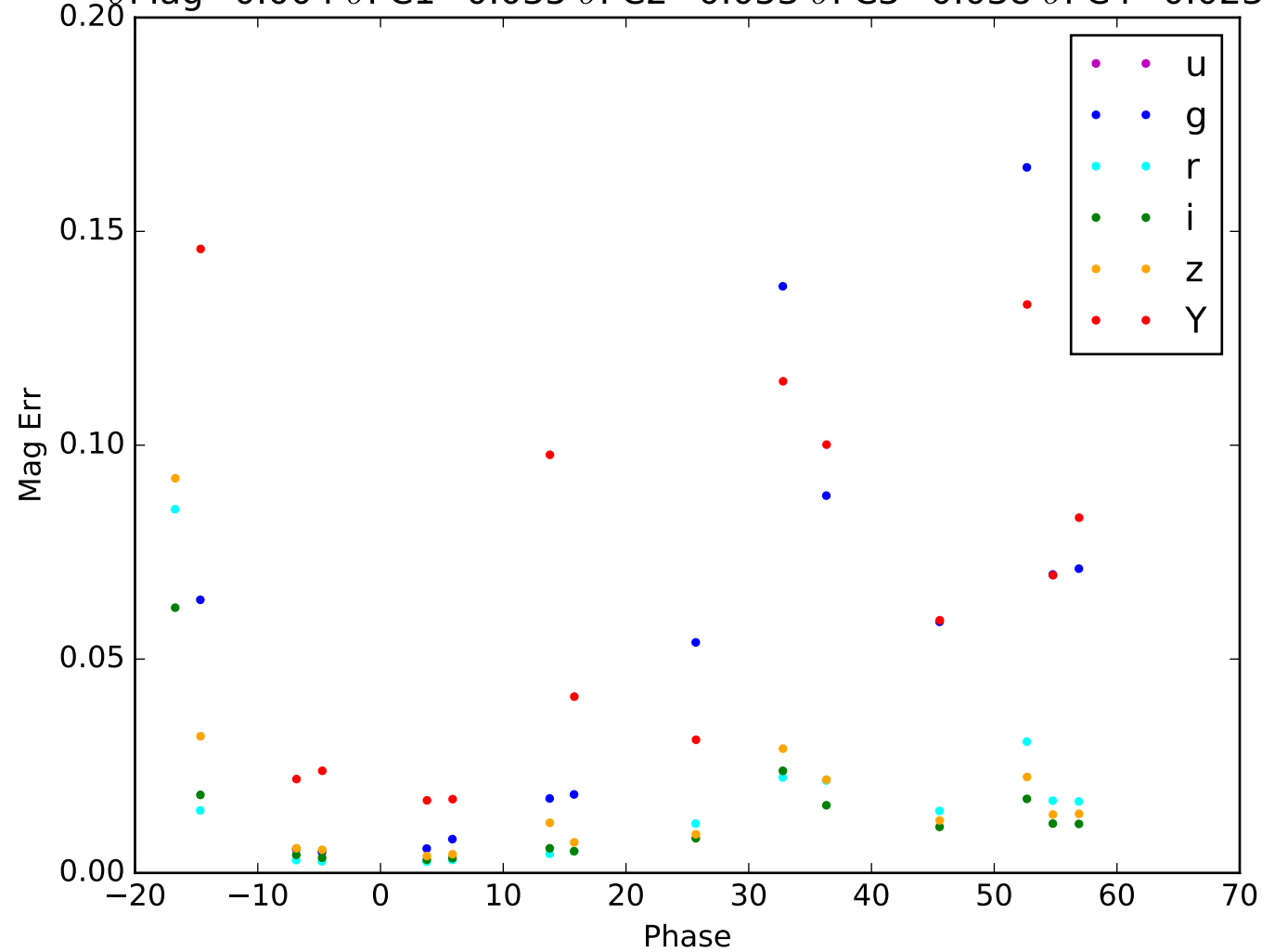


$\sigma_{\text{Mag}}=0.004$ $\sigma_{\text{PC1}}=0.043$ $\sigma_{\text{PC2}}=0.054$ $\sigma_{\text{PC3}}=0.044$ $\sigma_{\text{PC4}}=0.030$

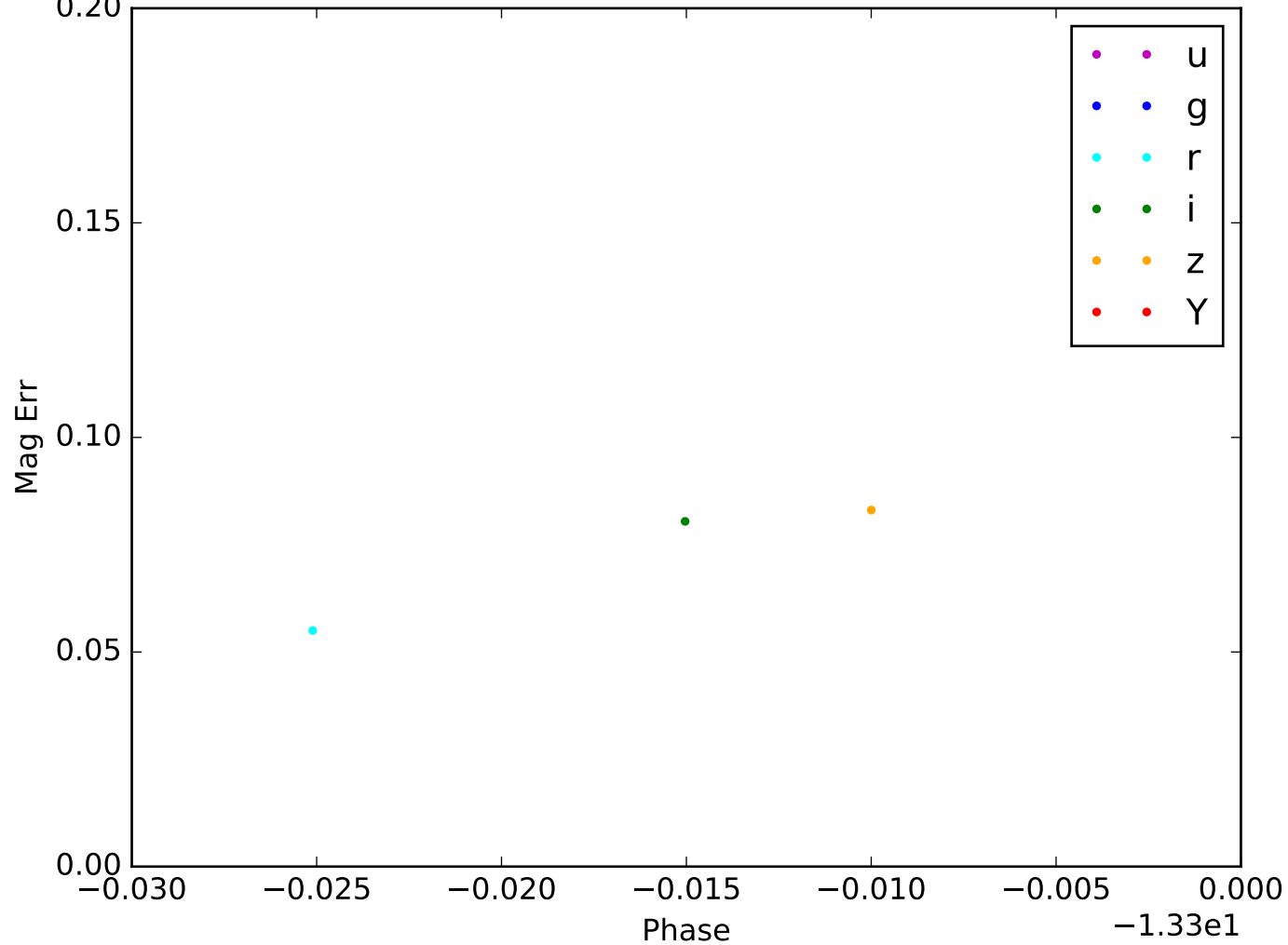




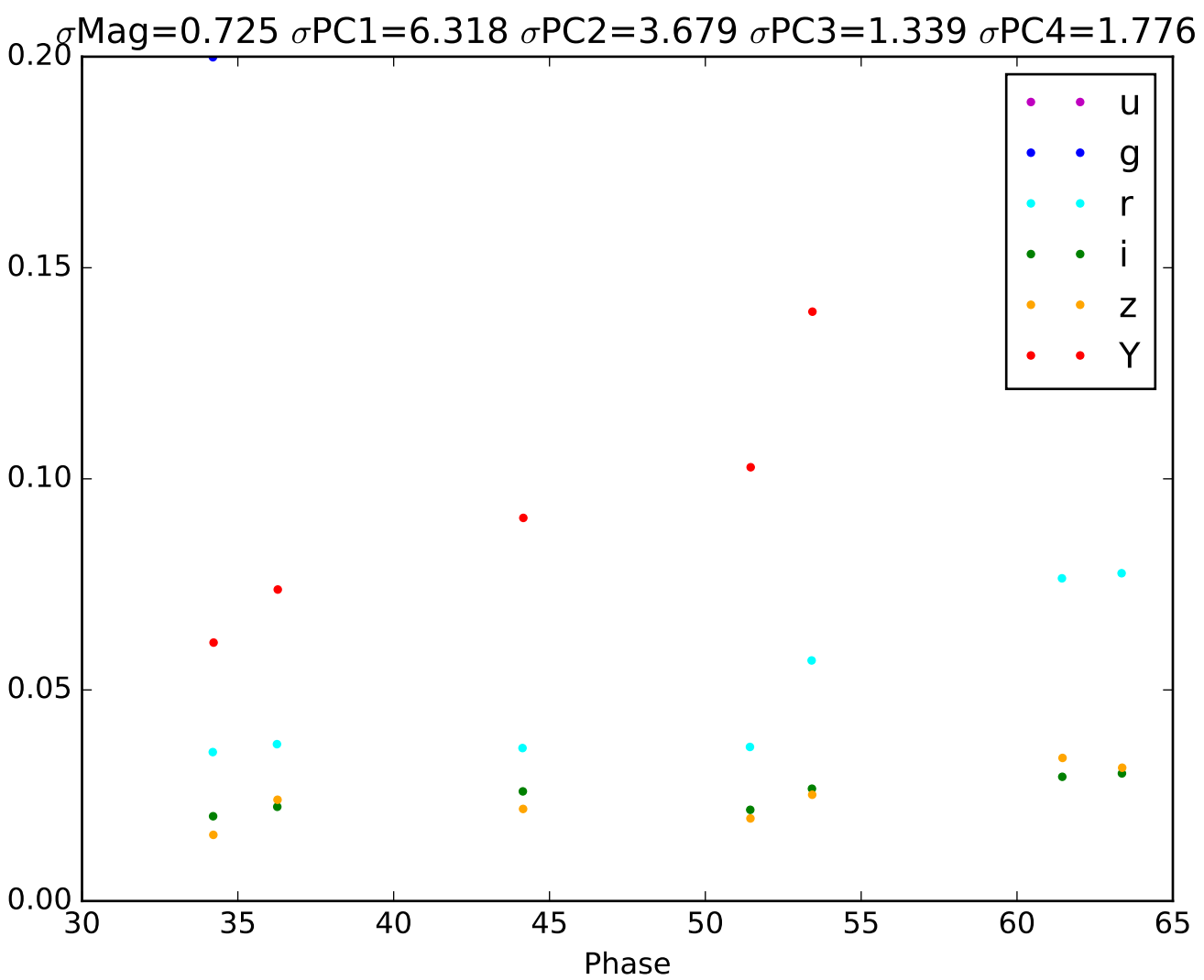
$\sigma_{\text{Mag}}=0.004$ $\sigma_{\text{PC1}}=0.035$ $\sigma_{\text{PC2}}=0.053$ $\sigma_{\text{PC3}}=0.038$ $\sigma_{\text{PC4}}=0.023$

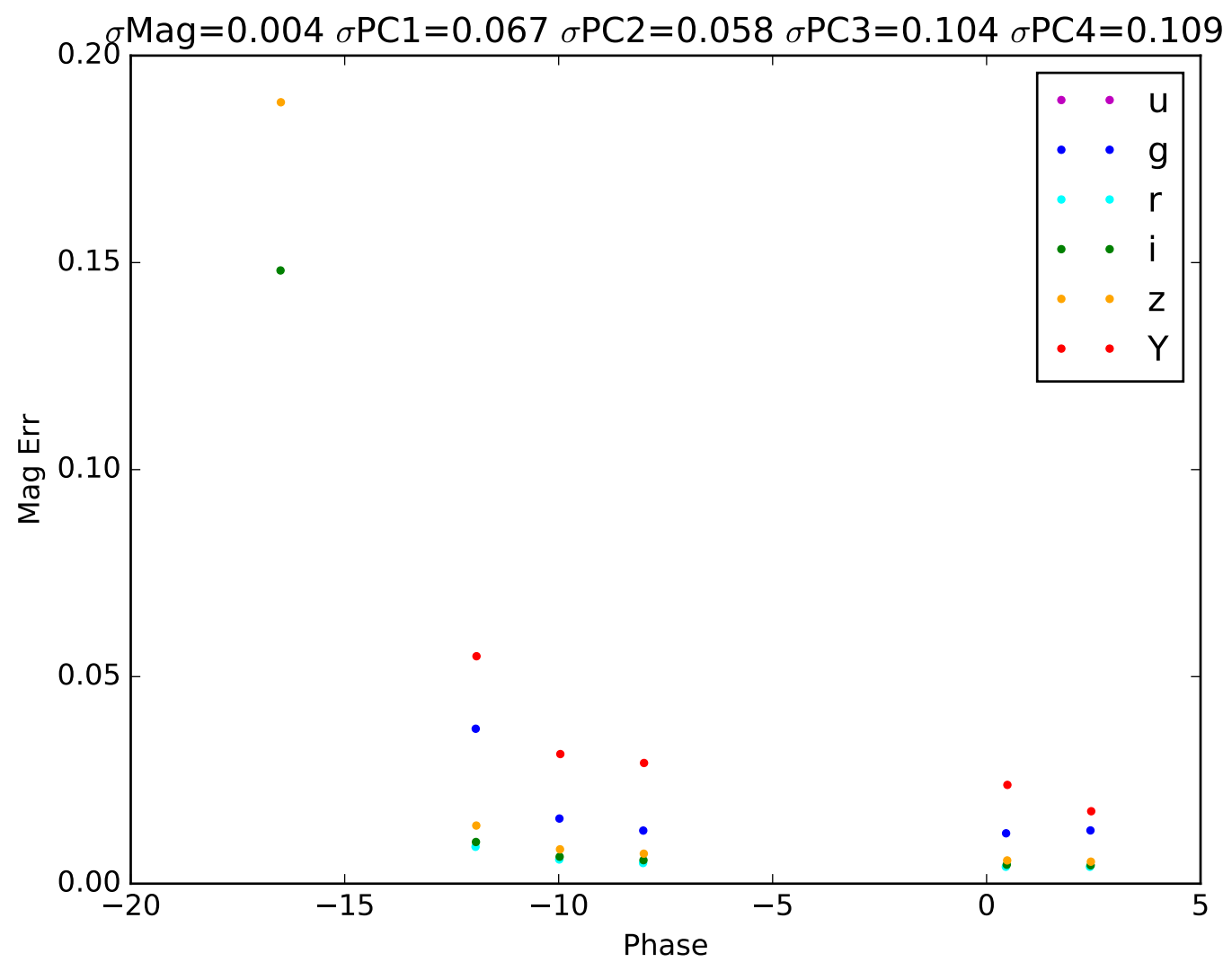


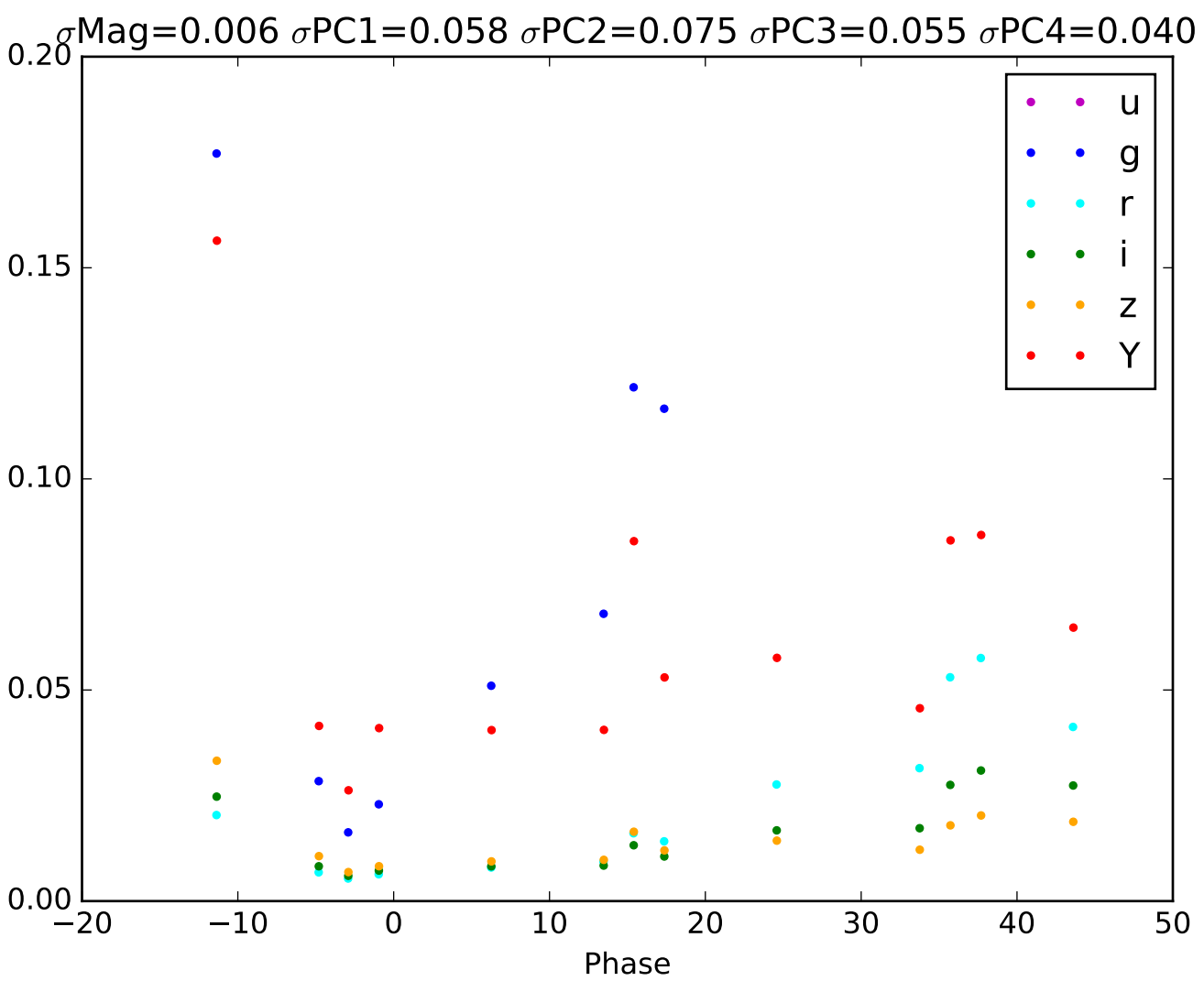
$\sigma_{\text{Mag}}=70.711$ $\sigma_{\text{PC1}}=14434095.502$ $\sigma_{\text{PC2}}=15076271.898$ $\sigma_{\text{PC3}}=127619171.643$ $\sigma_{\text{PC4}}=48526487.652$

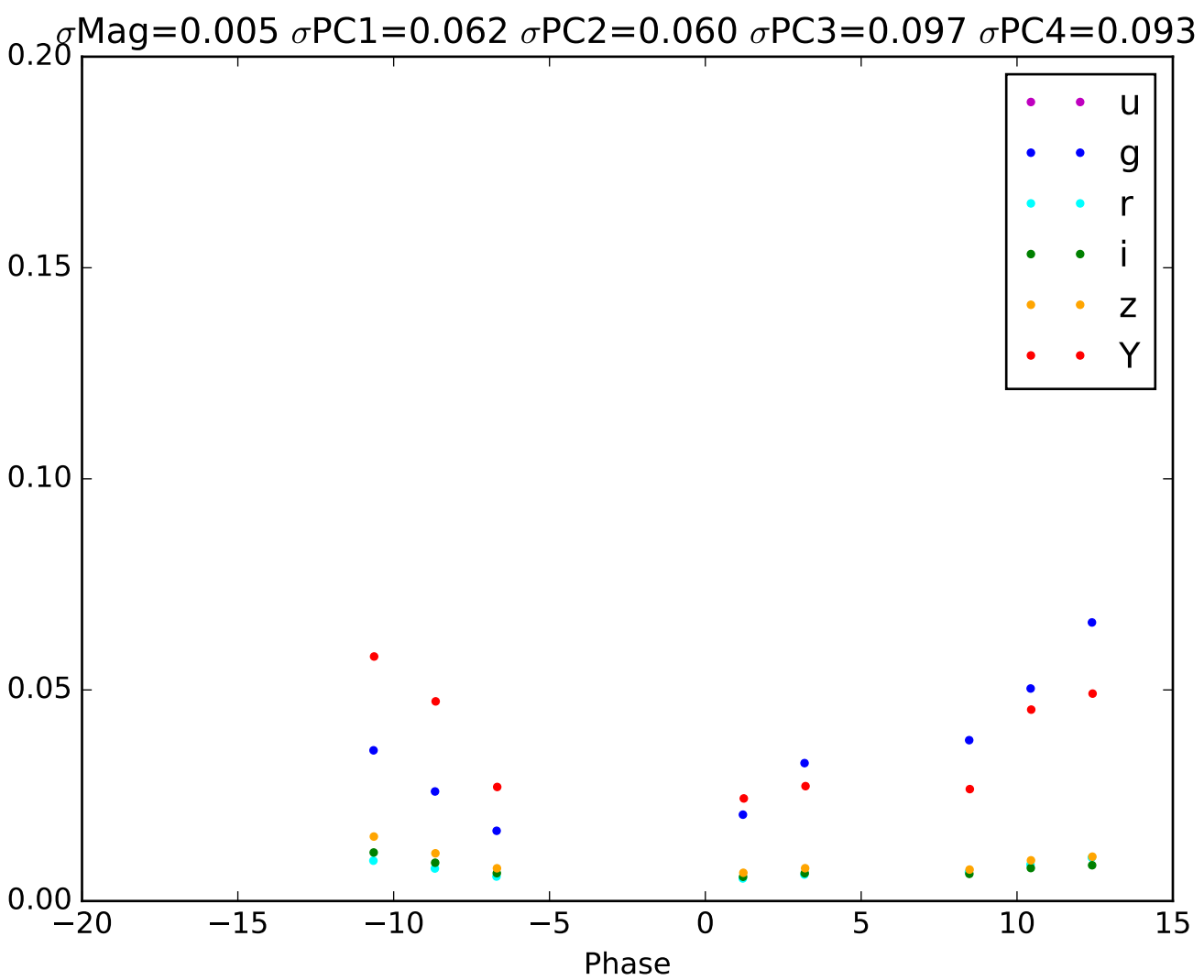


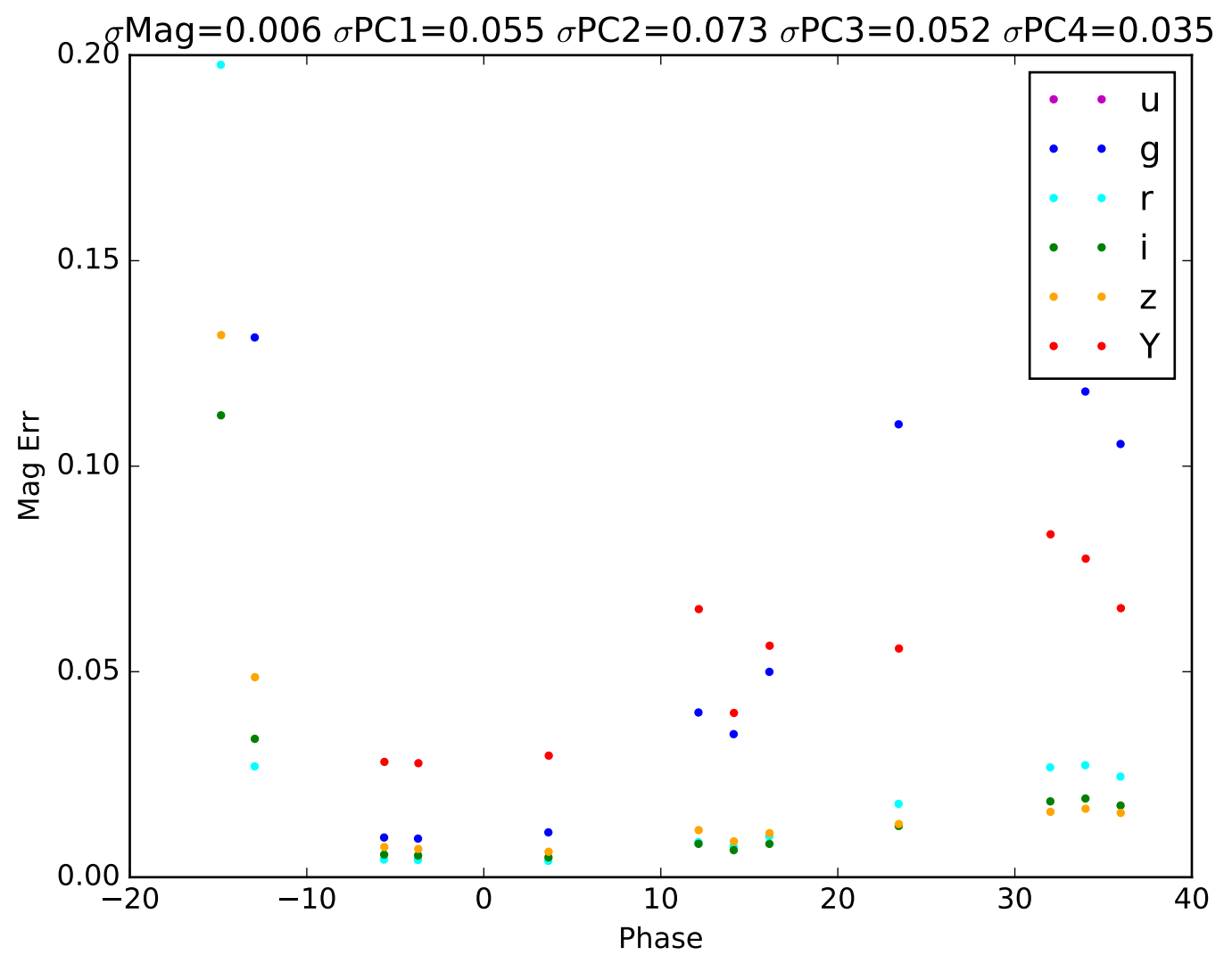
-1.33e1





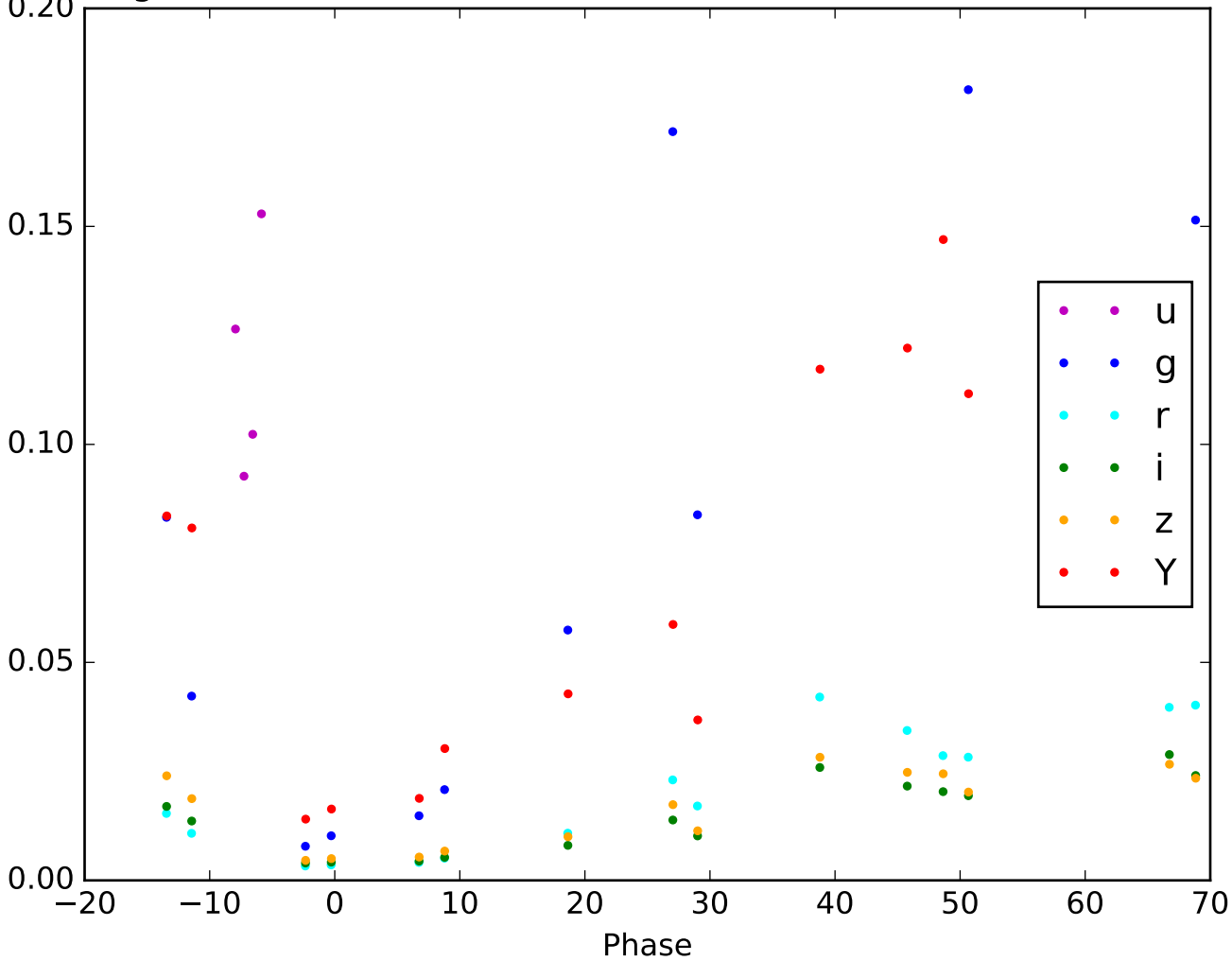


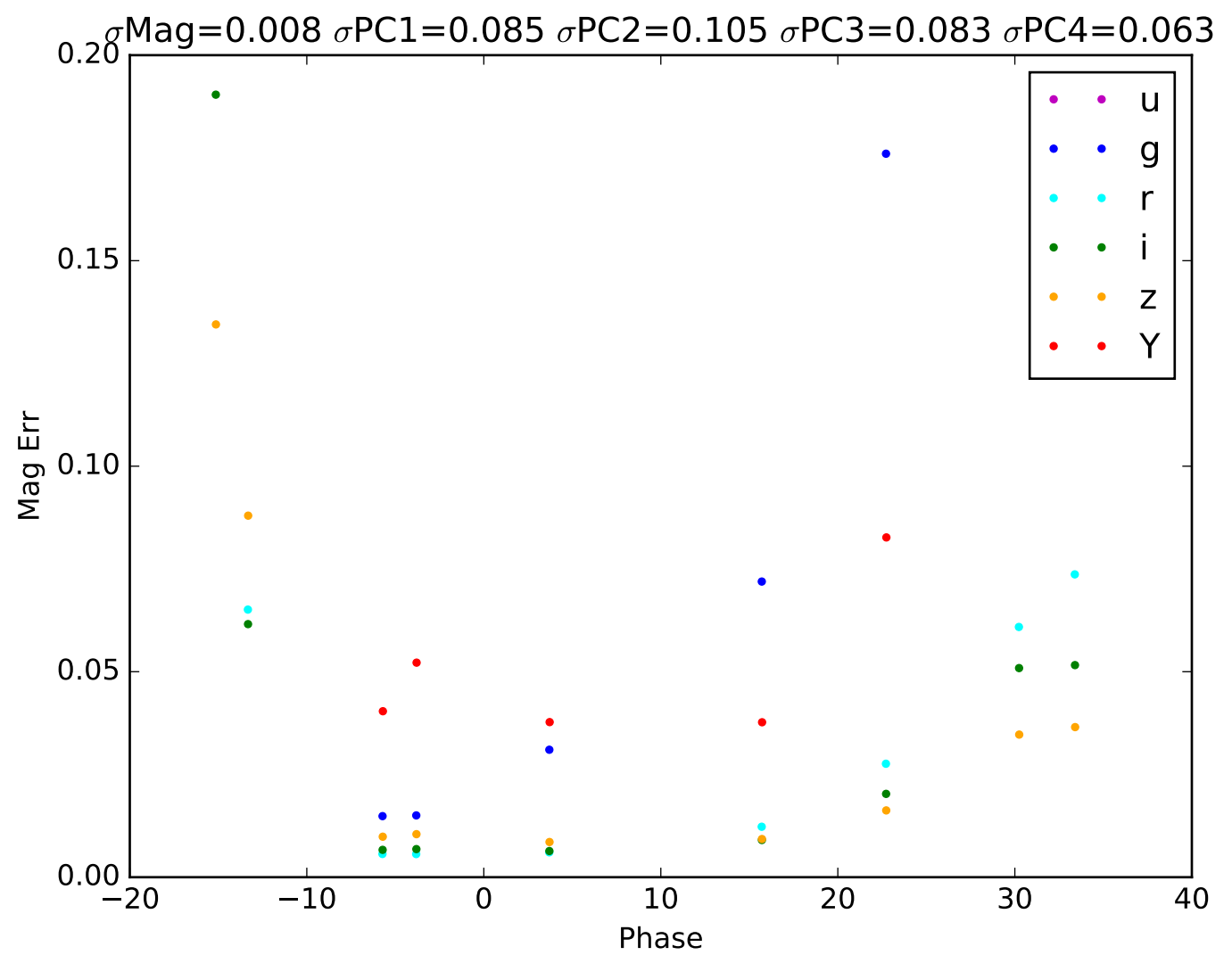


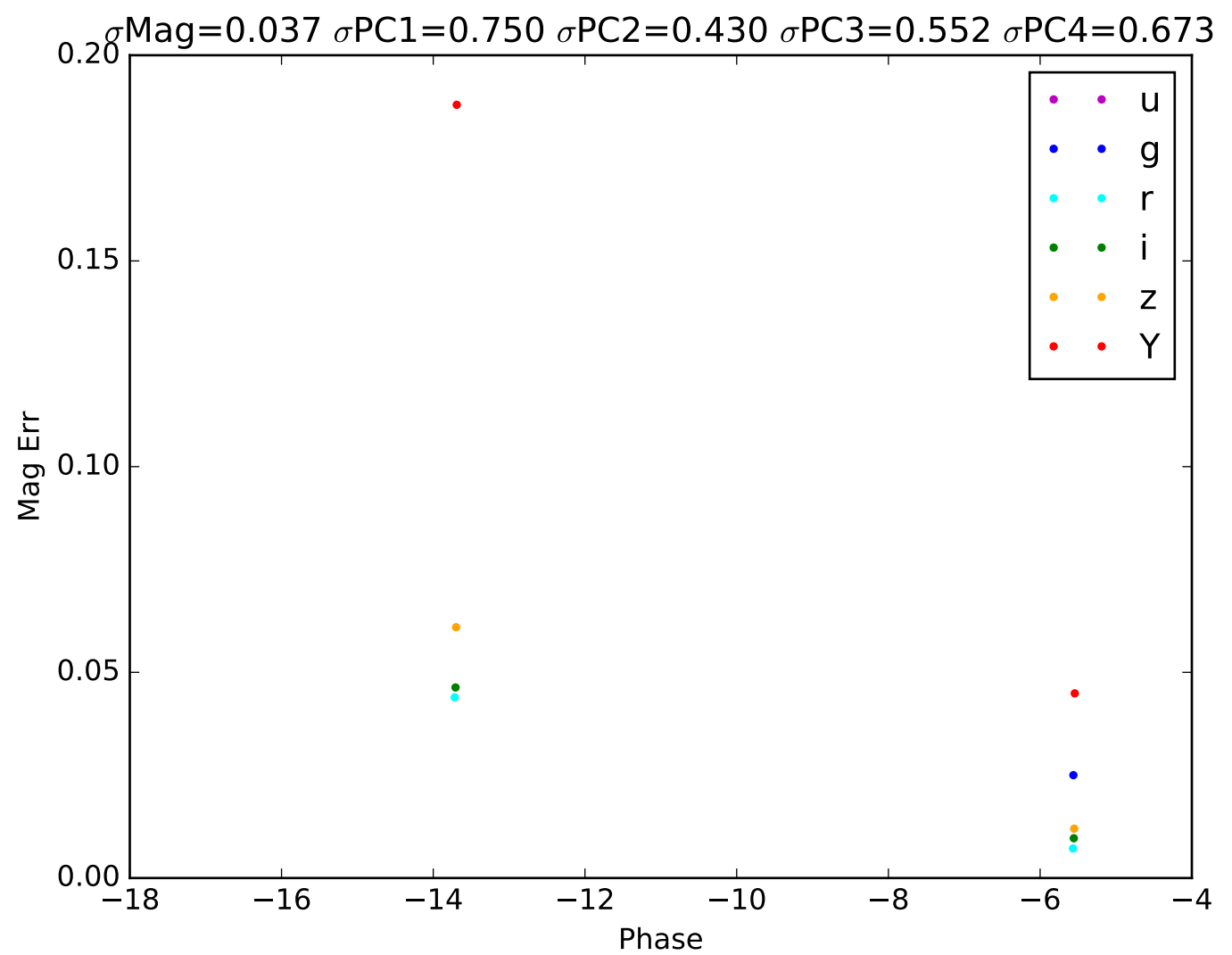


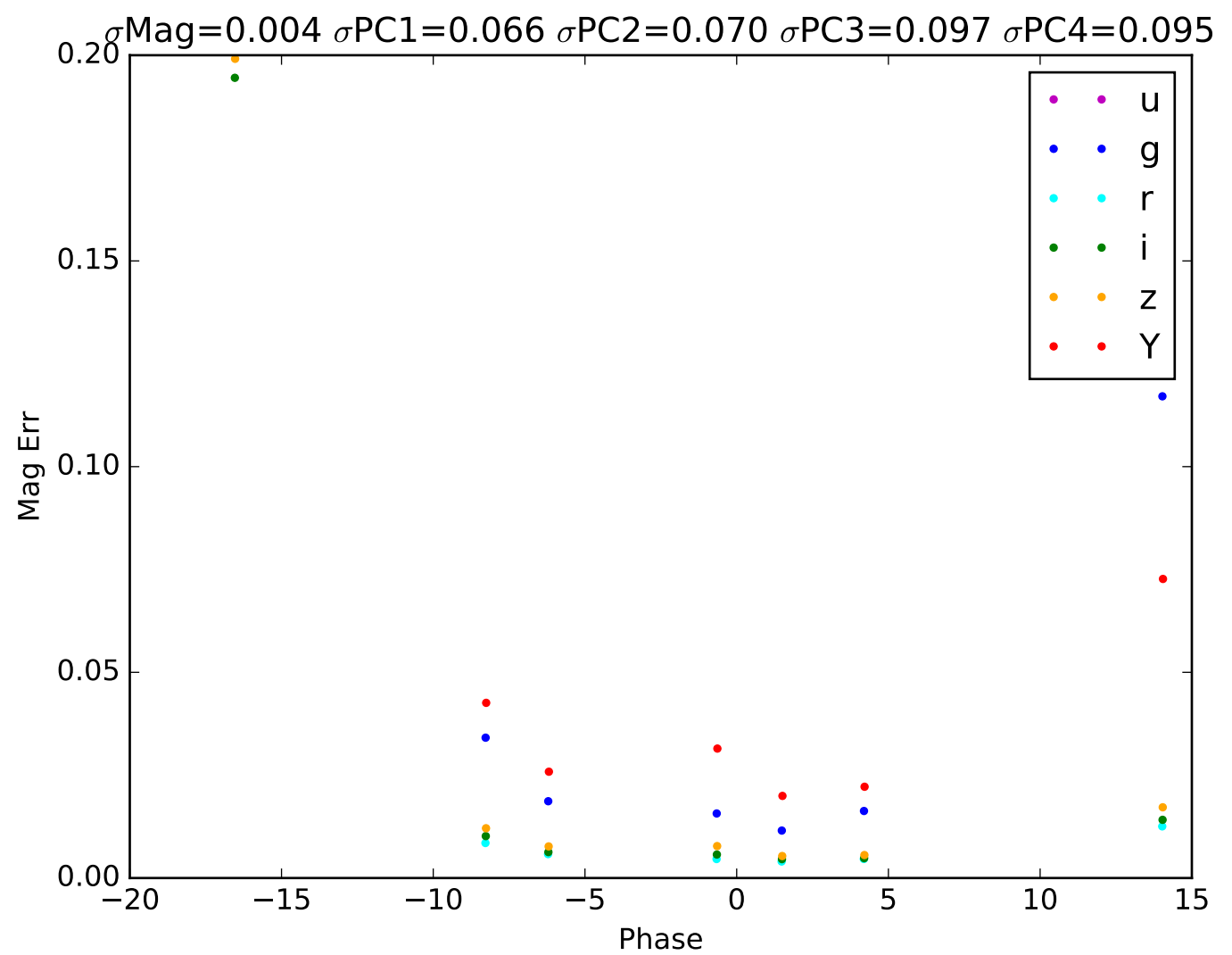
$\sigma_{\text{Mag}}=0.003$ $\sigma_{\text{PC1}}=0.039$ $\sigma_{\text{PC2}}=0.055$ $\sigma_{\text{PC3}}=0.043$ $\sigma_{\text{PC4}}=0.030$

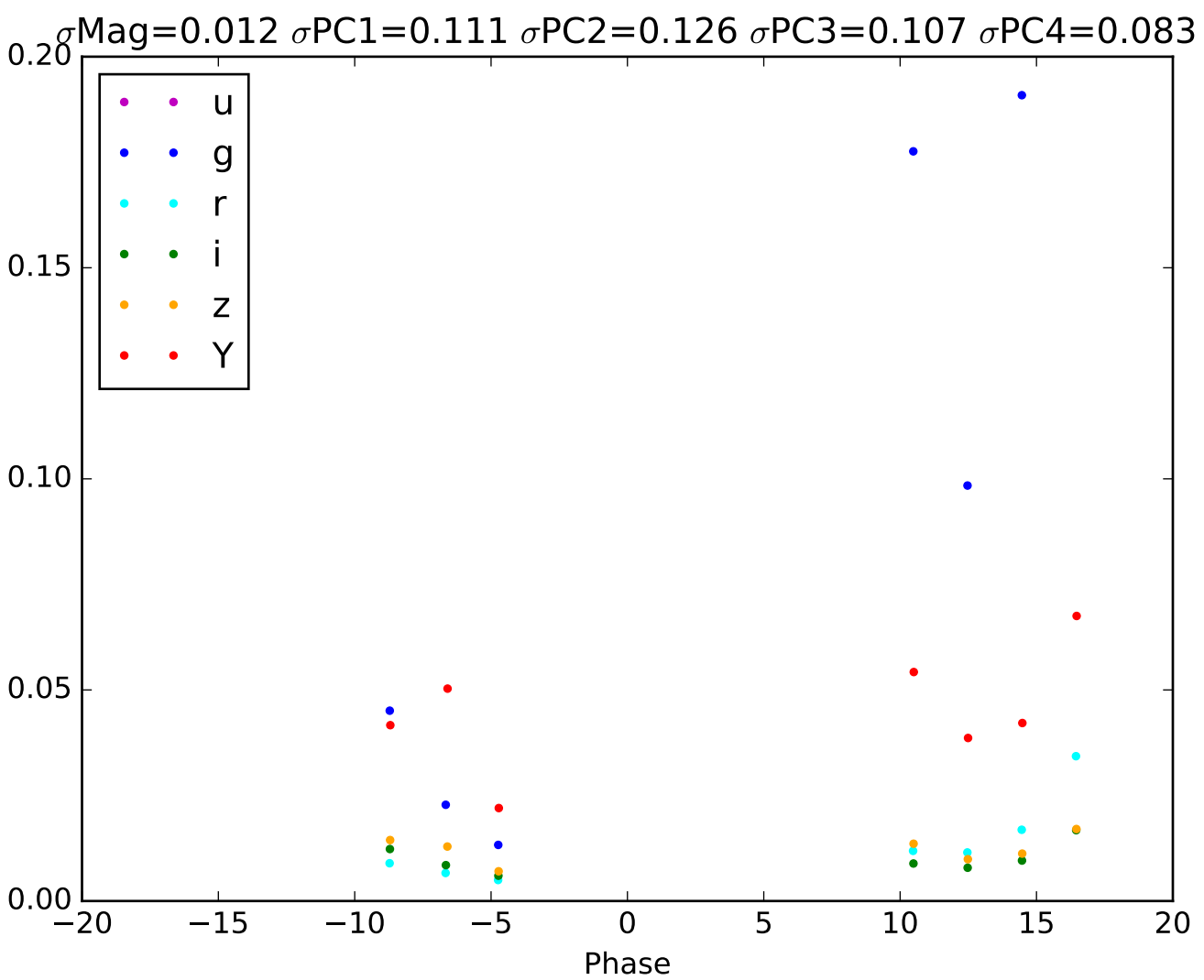
Mag Err

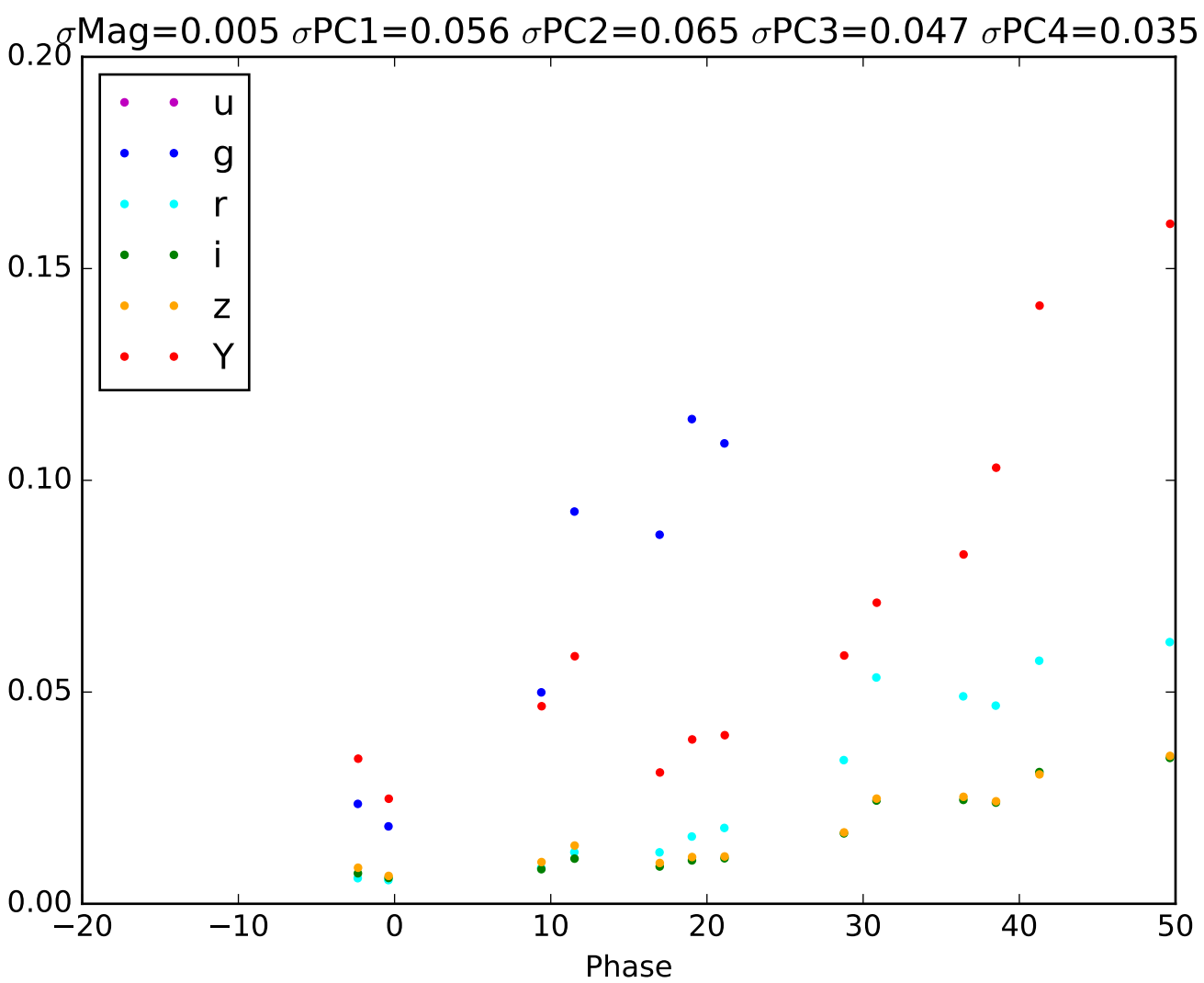


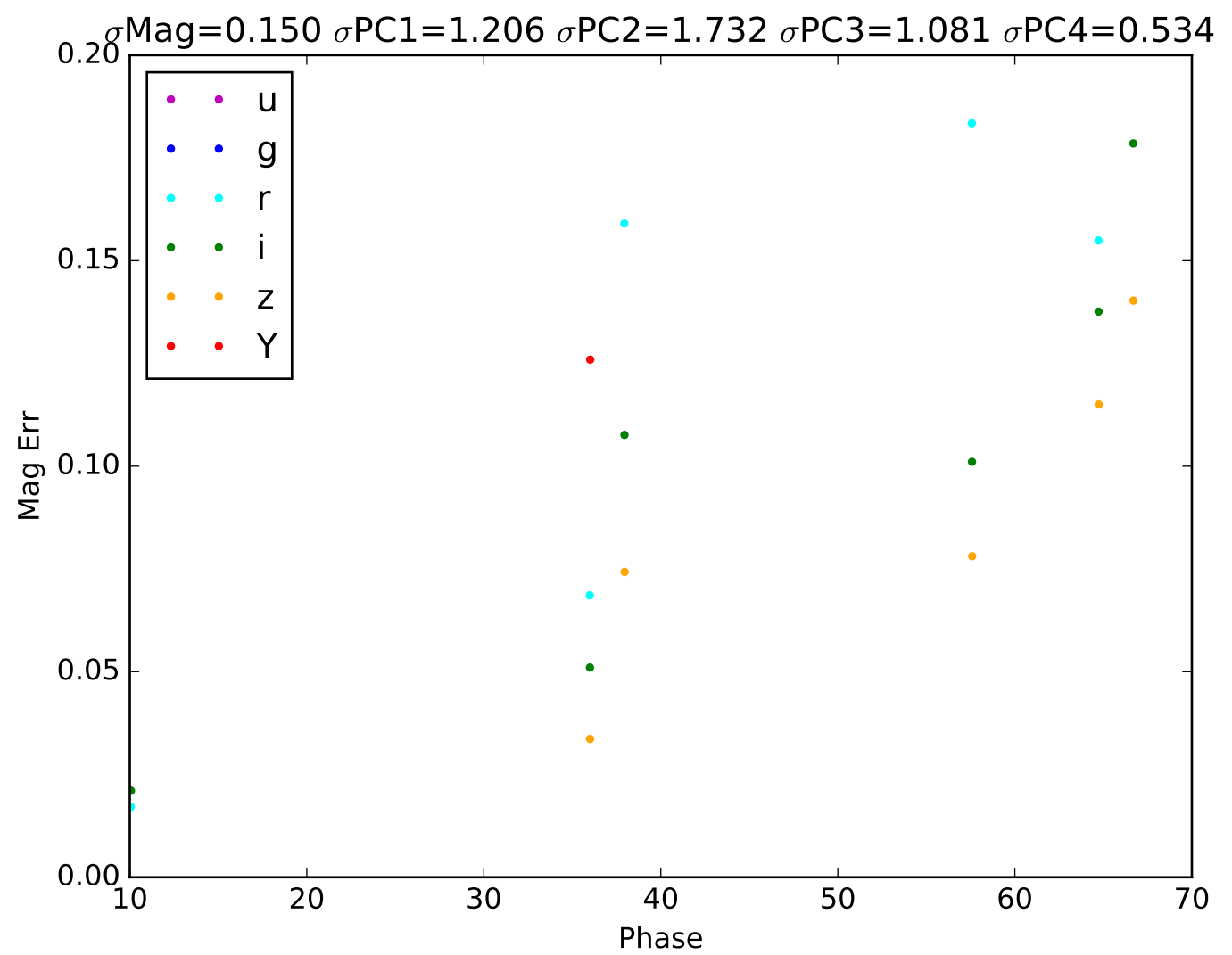


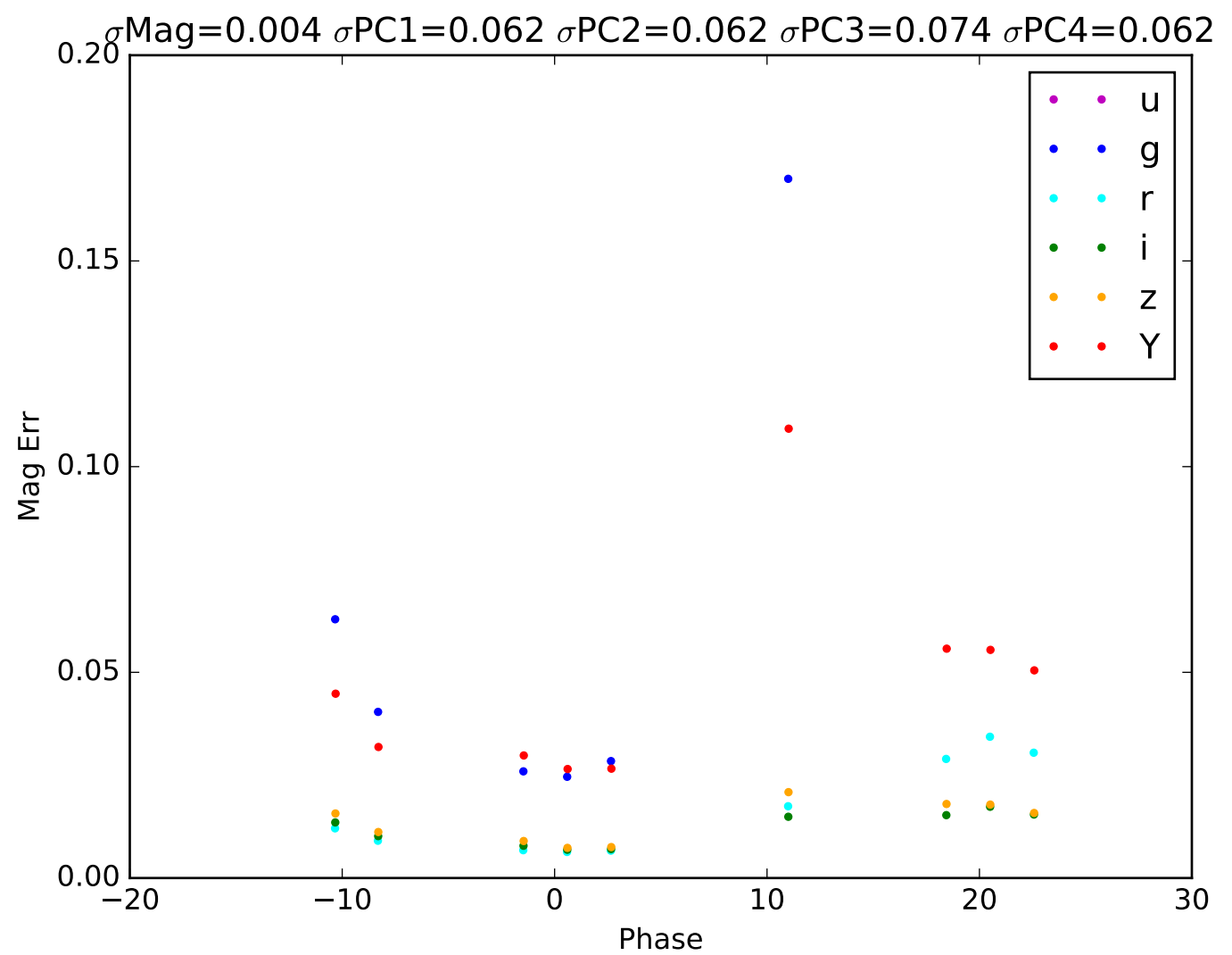


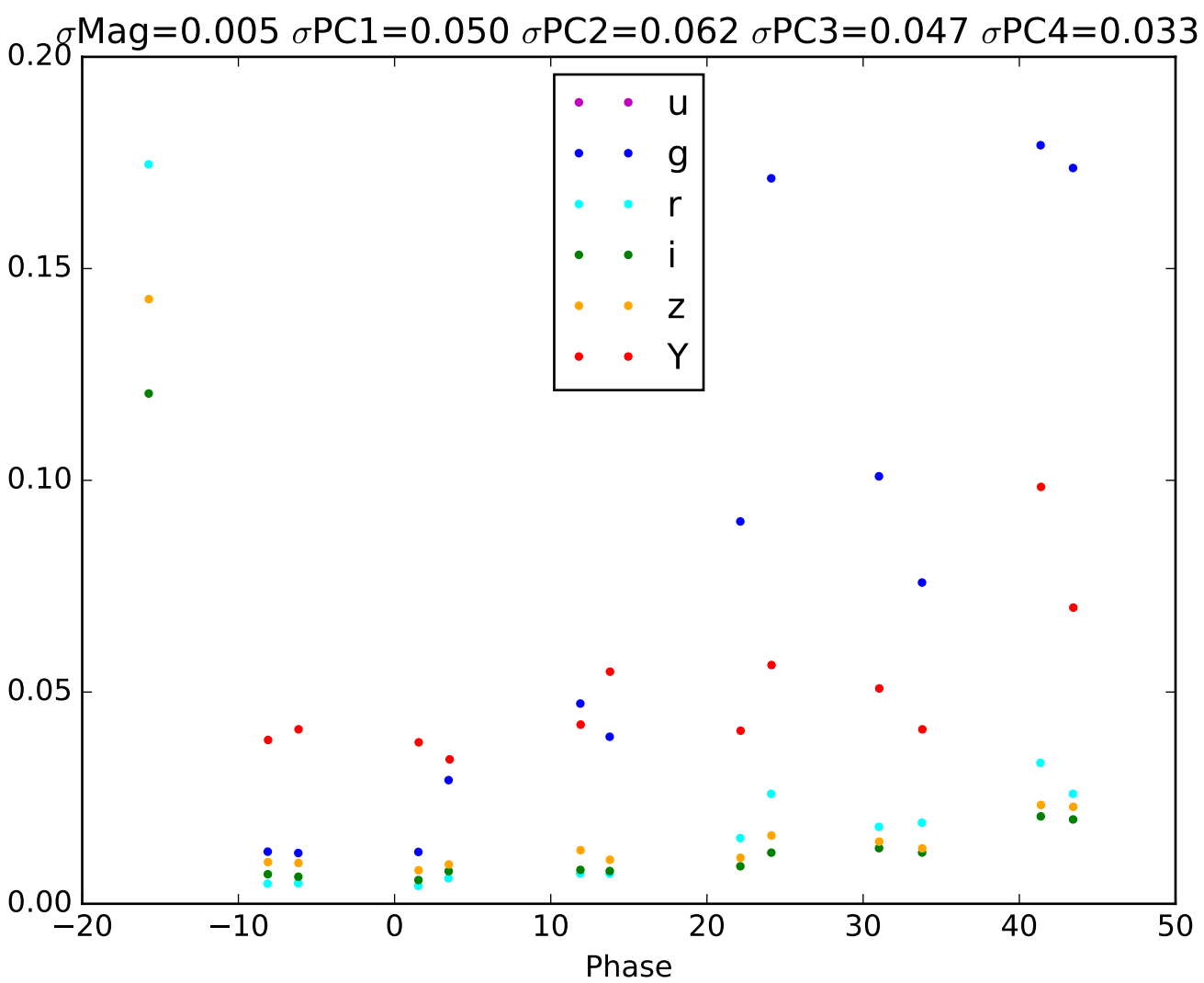




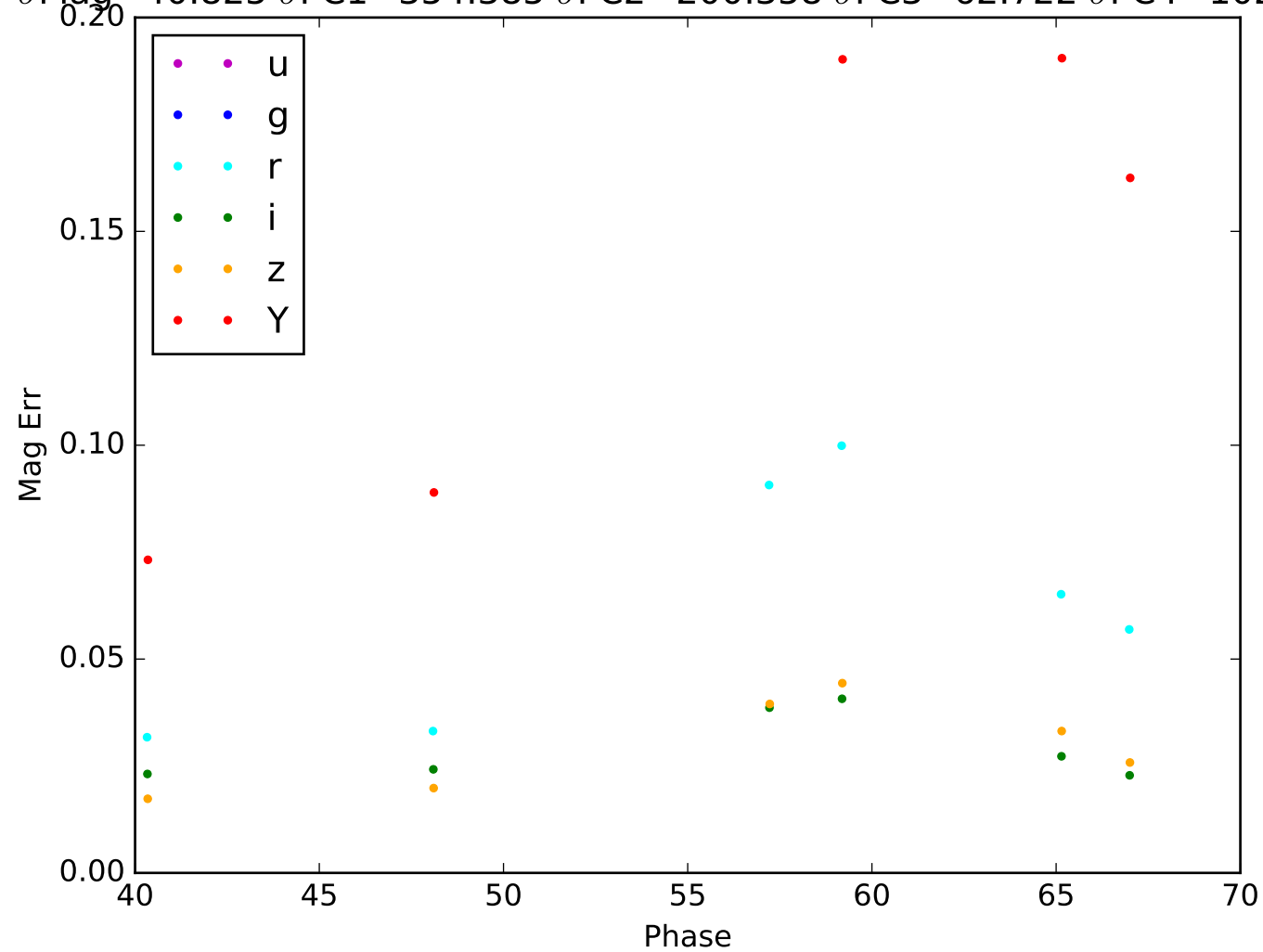


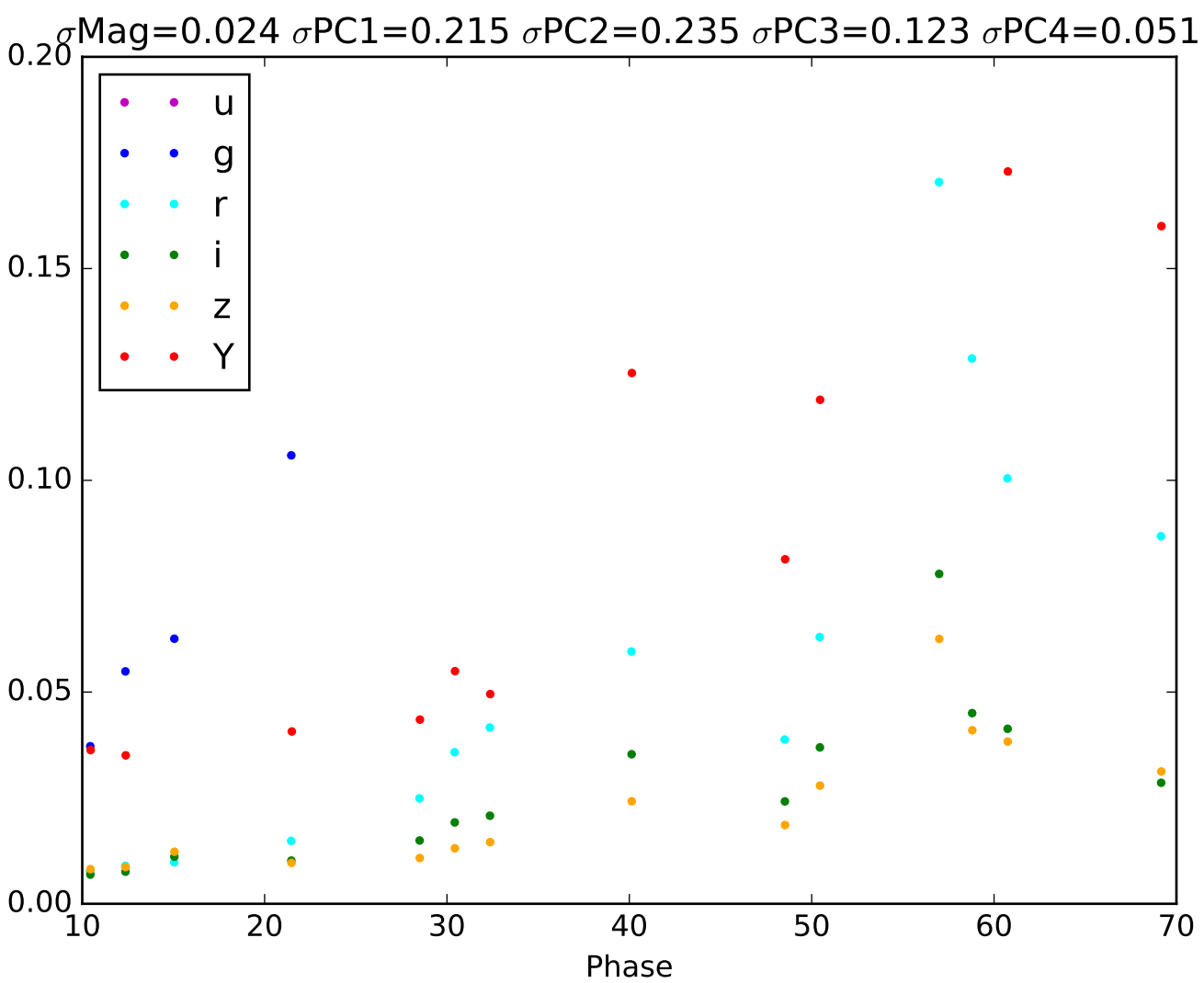


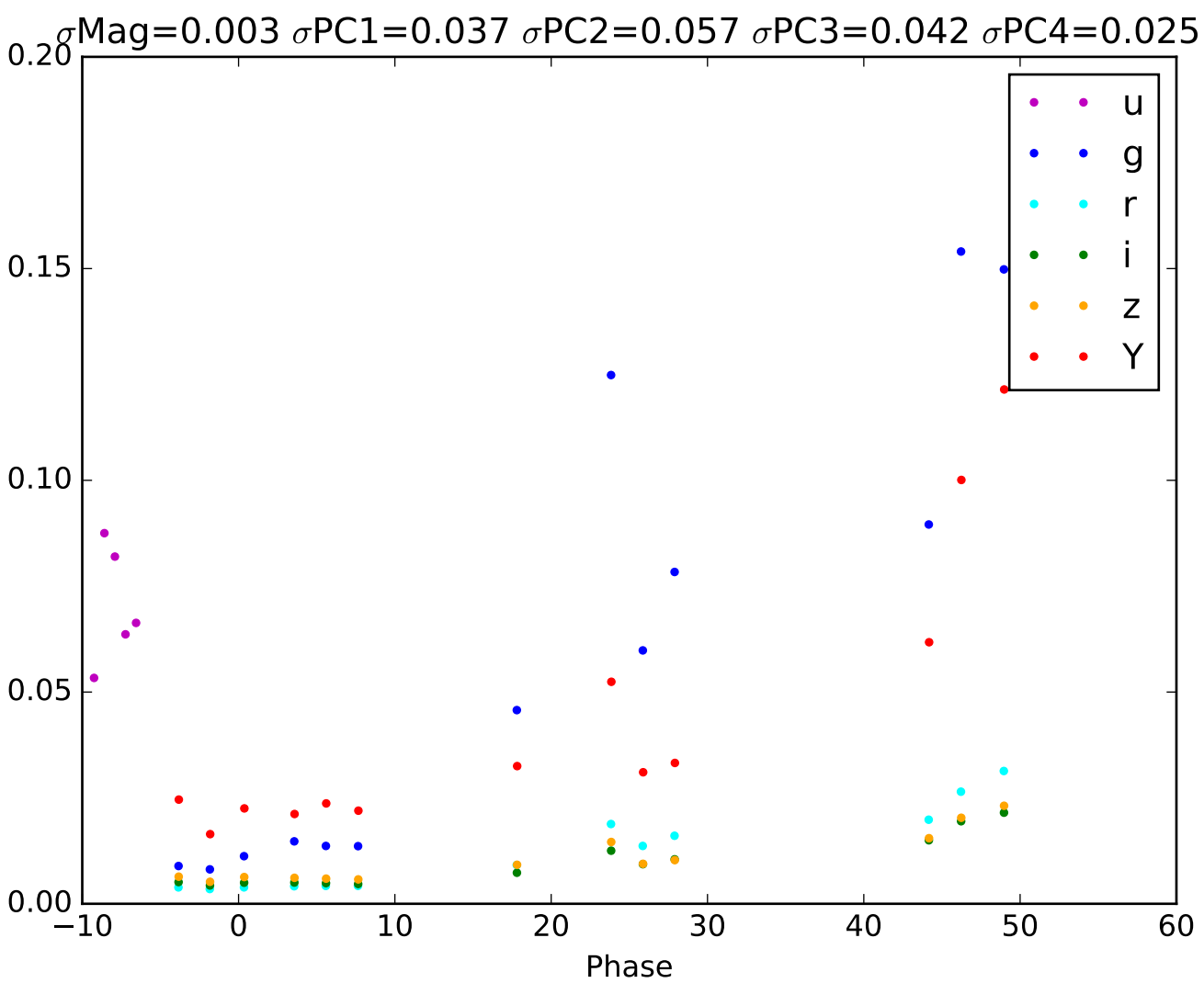




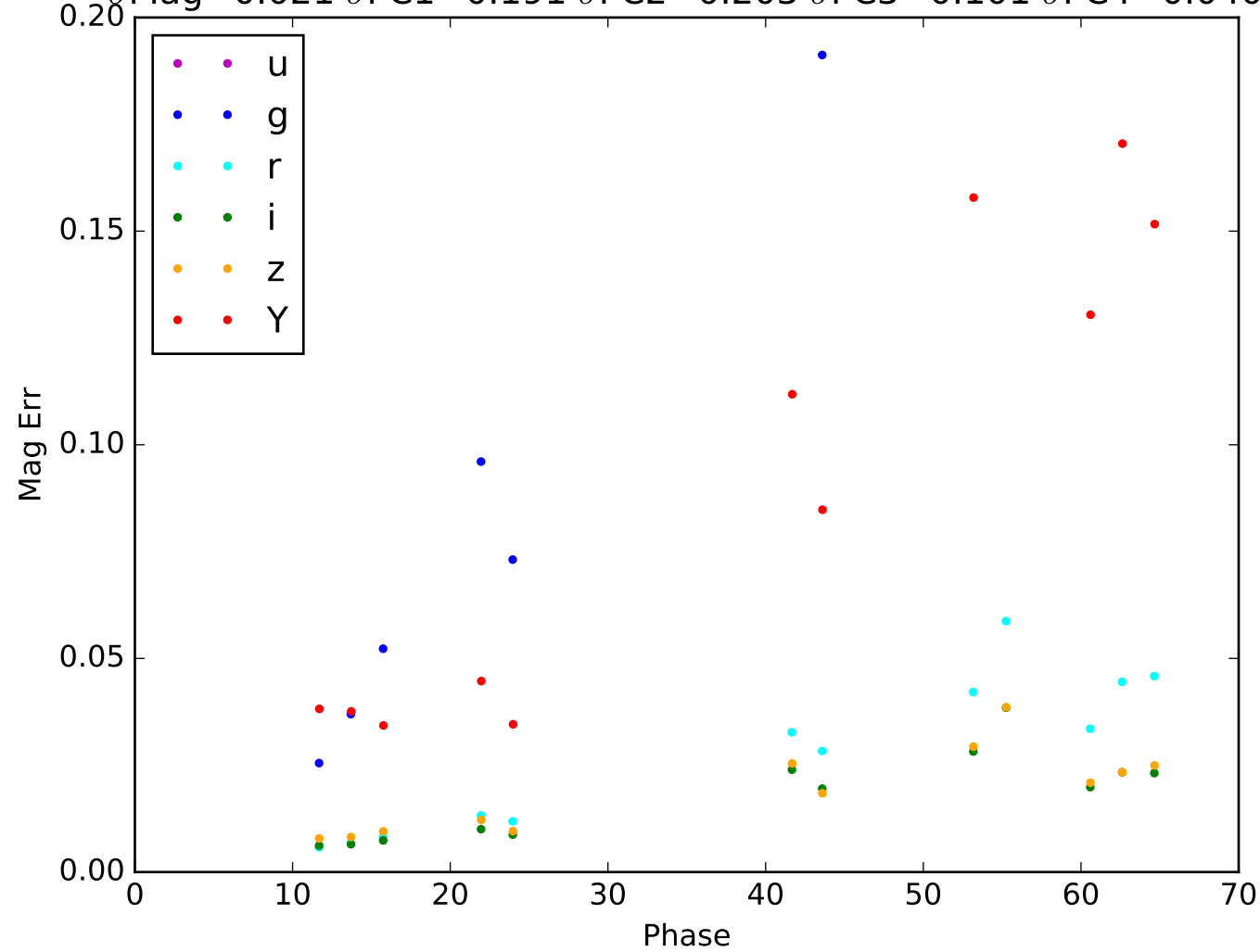
$\sigma_{\text{Mag}}=40.825$ $\sigma_{\text{PC1}}=354.385$ $\sigma_{\text{PC2}}=200.358$ $\sigma_{\text{PC3}}=62.722$ $\sigma_{\text{PC4}}=102.366$

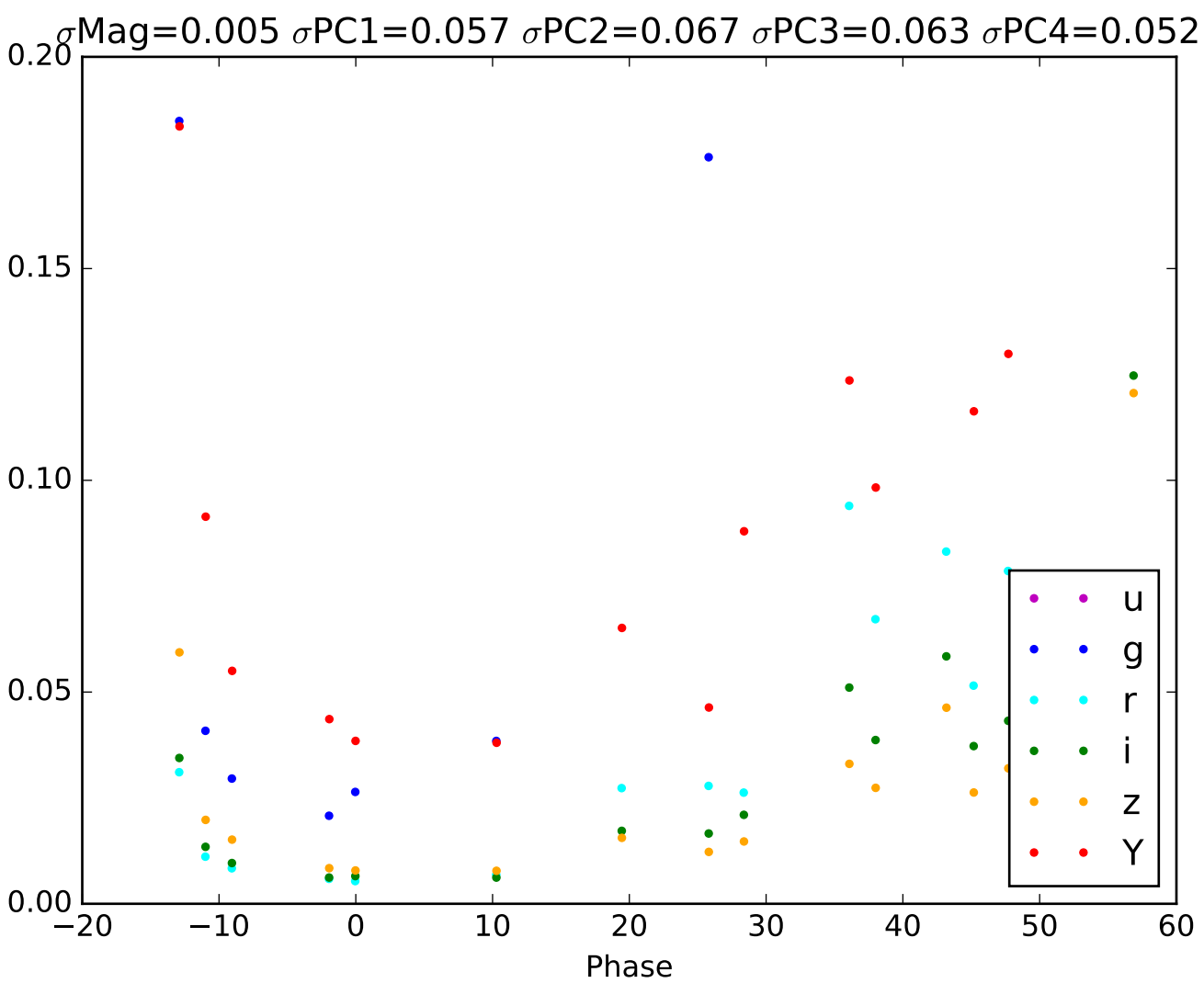




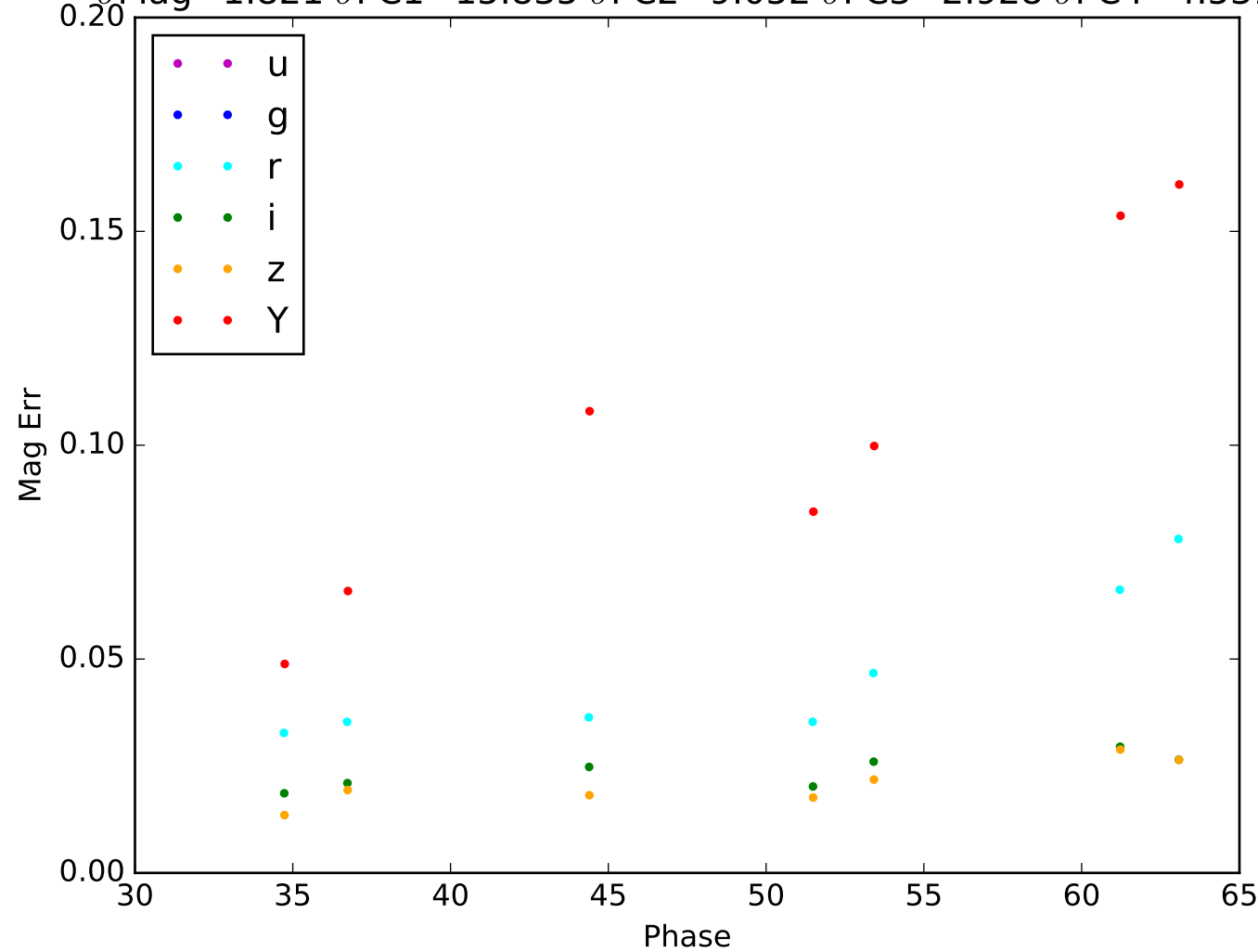


$\sigma_{\text{Mag}}=0.021$ $\sigma_{\text{PC1}}=0.191$ $\sigma_{\text{PC2}}=0.203$ $\sigma_{\text{PC3}}=0.101$ $\sigma_{\text{PC4}}=0.040$

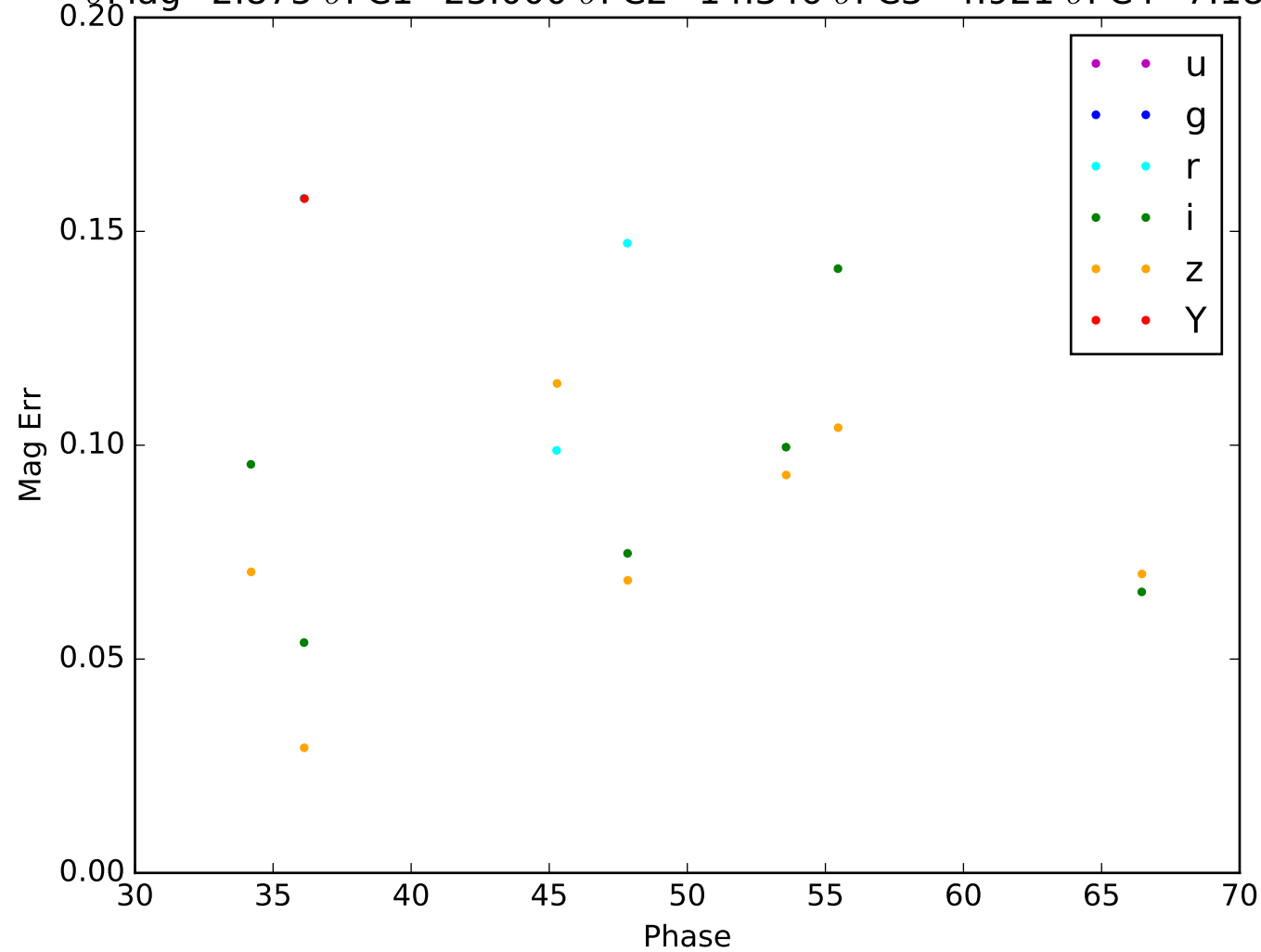


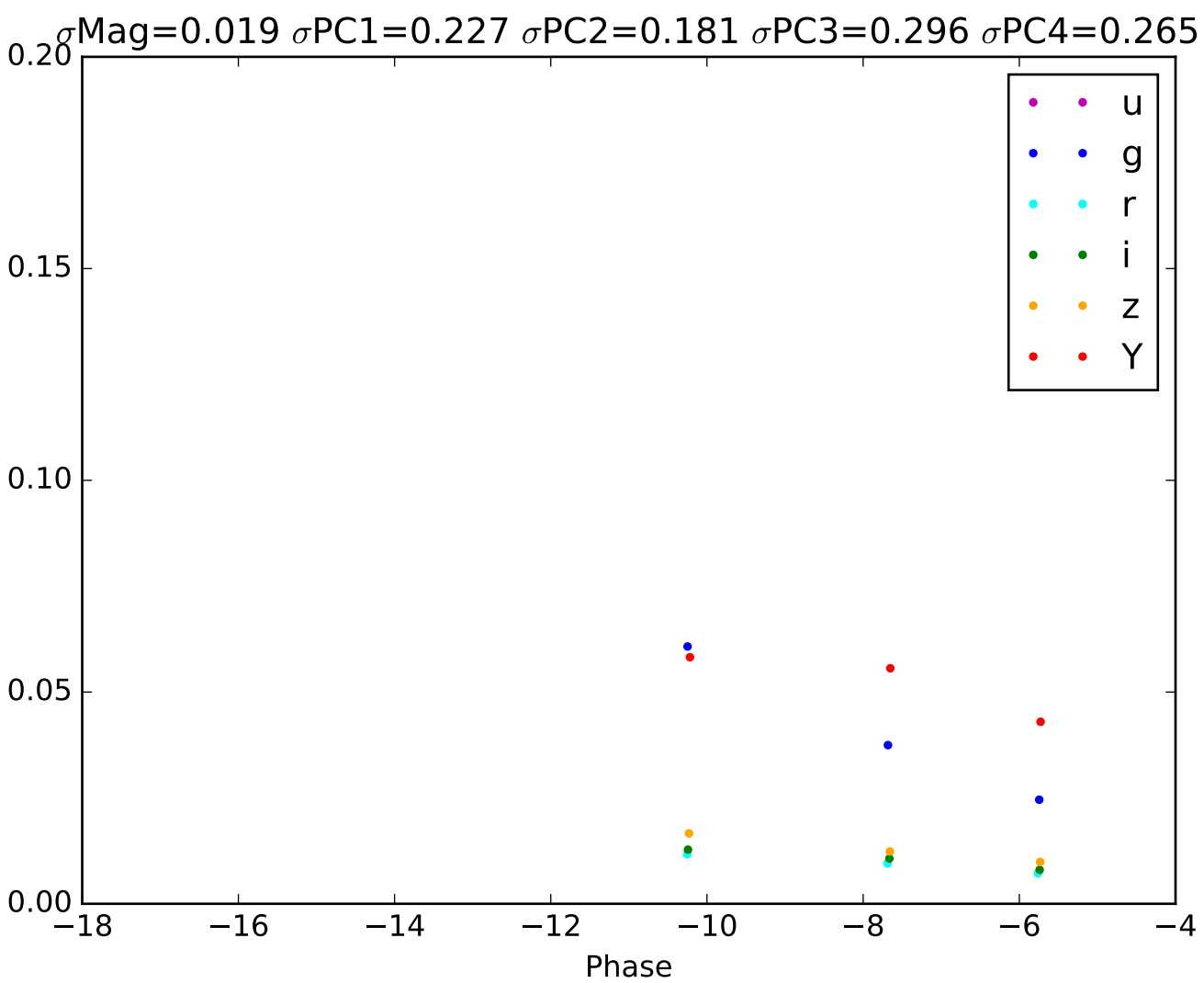


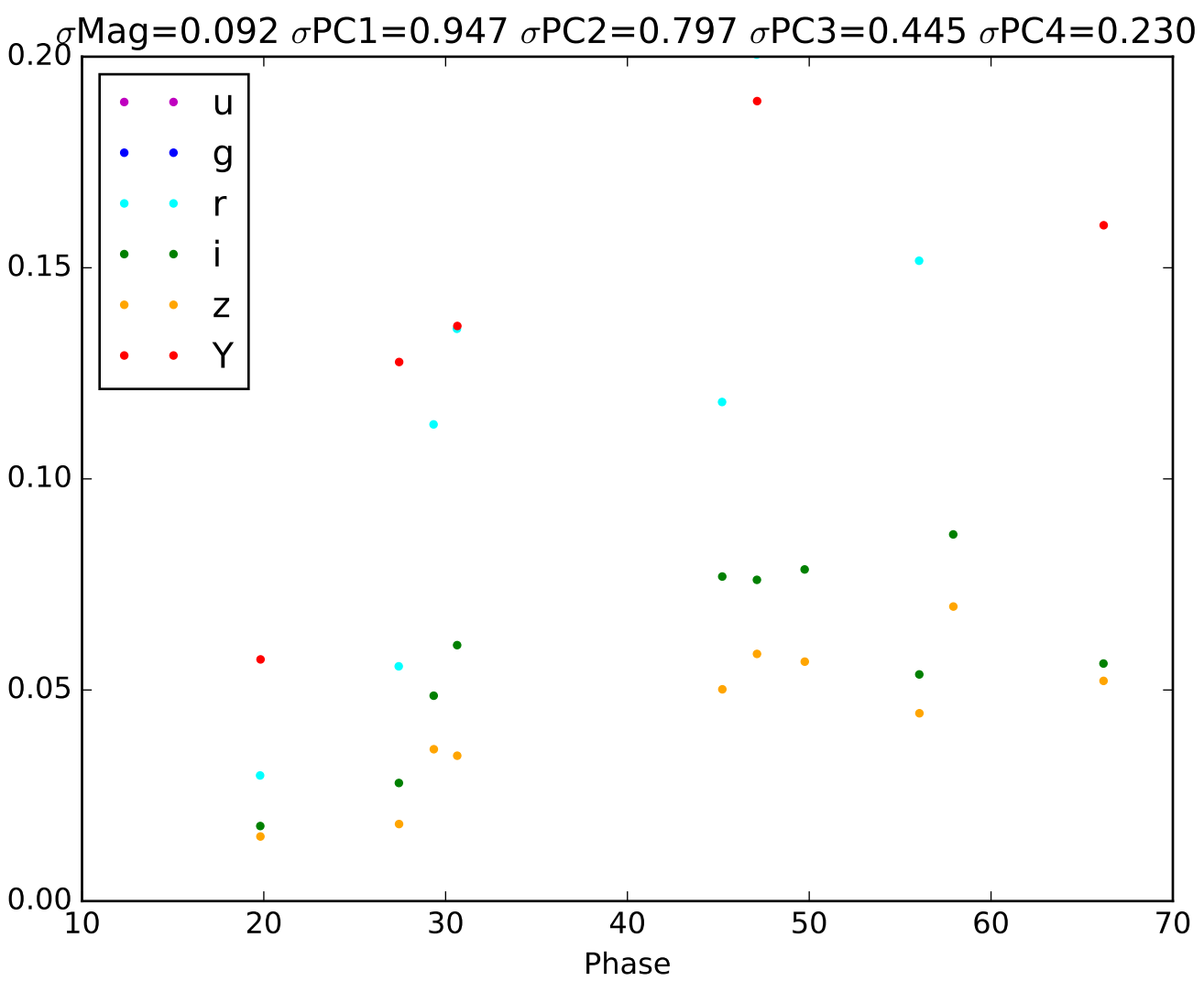
$\sigma_{\text{Mag}}=1.821$ $\sigma_{\text{PC1}}=15.835$ $\sigma_{\text{PC2}}=9.052$ $\sigma_{\text{PC3}}=2.928$ $\sigma_{\text{PC4}}=4.531$

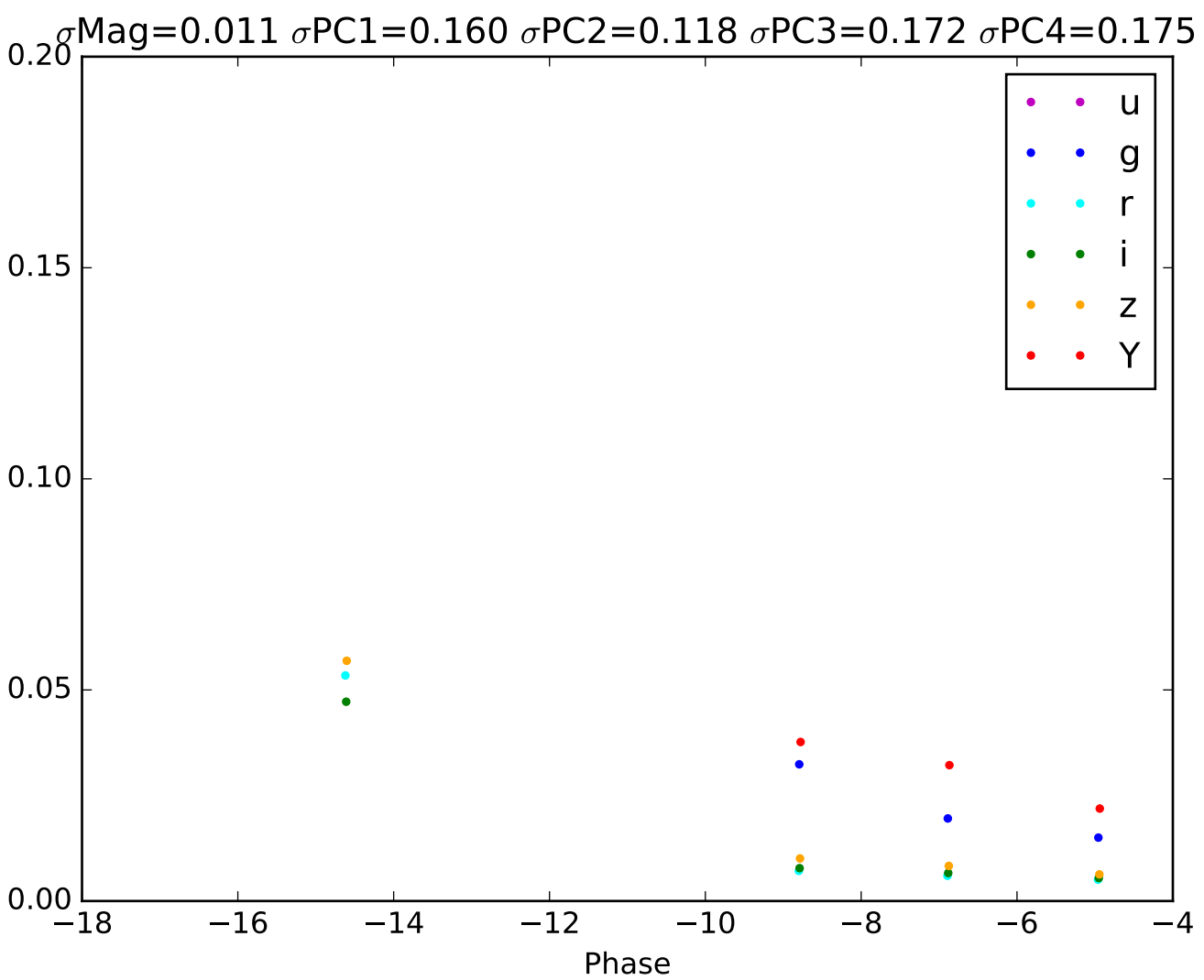


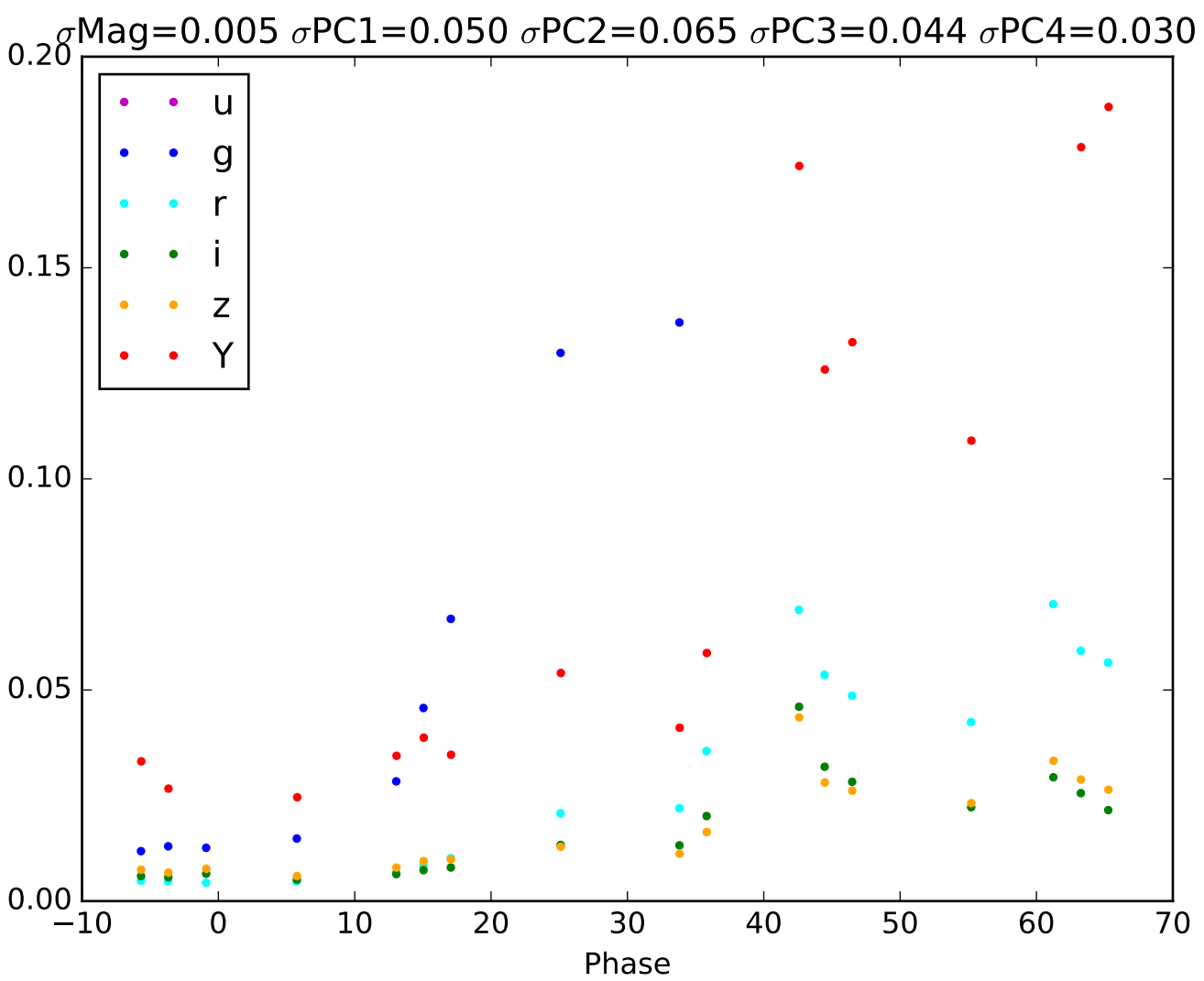
$\sigma_{\text{Mag}}=2.875$ $\sigma_{\text{PC1}}=25.000$ $\sigma_{\text{PC2}}=14.346$ $\sigma_{\text{PC3}}=4.921$ $\sigma_{\text{PC4}}=7.188$

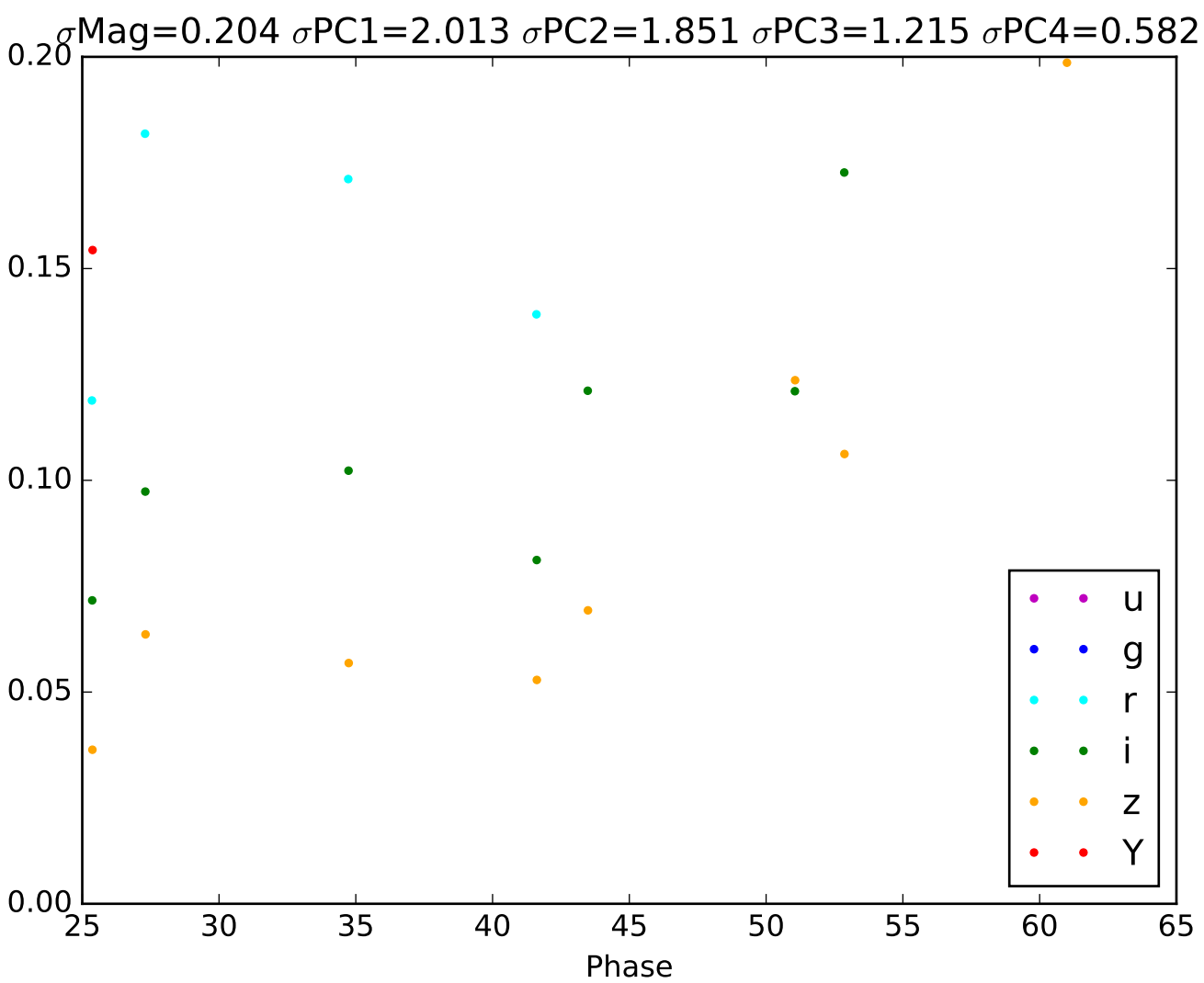


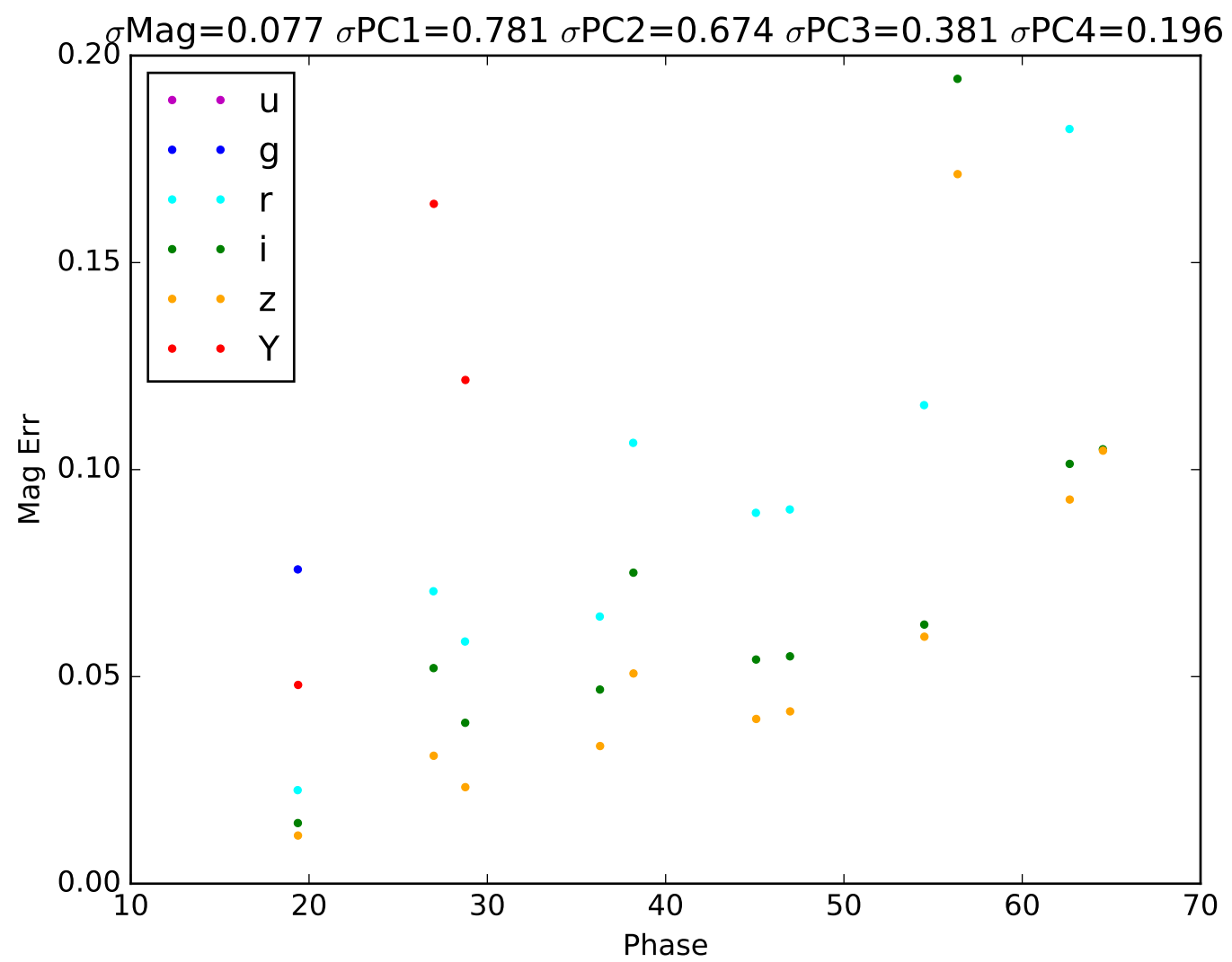


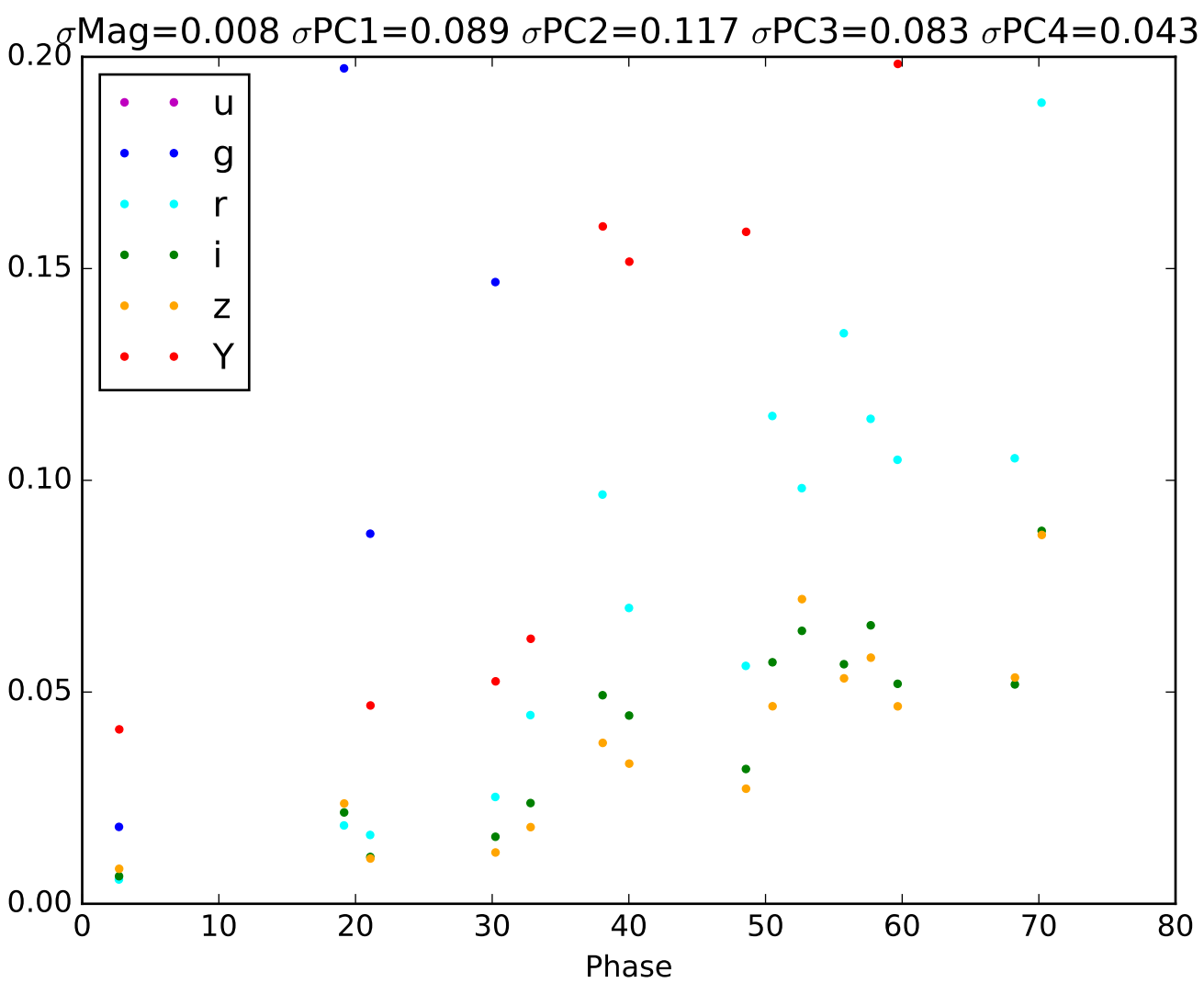




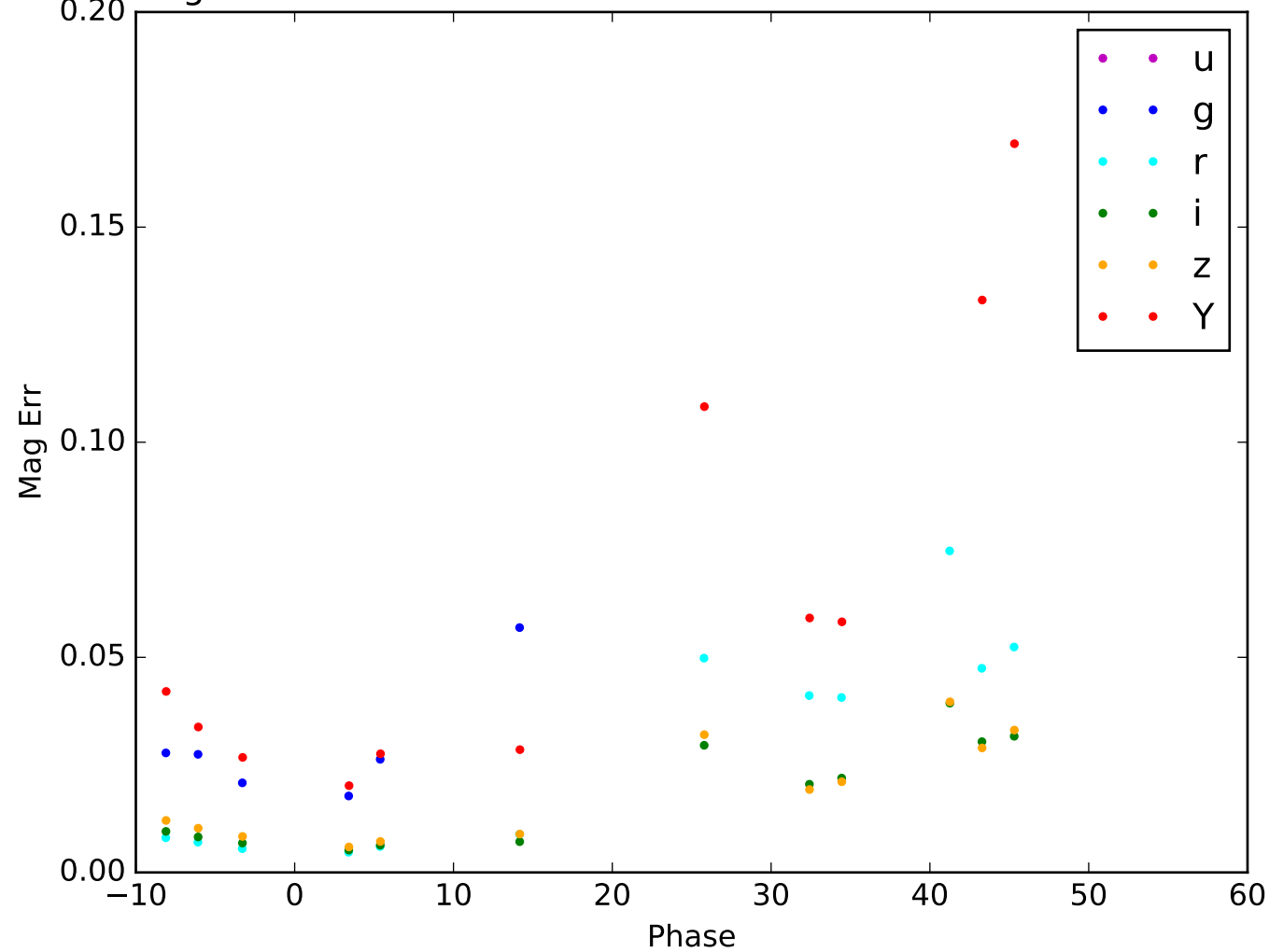


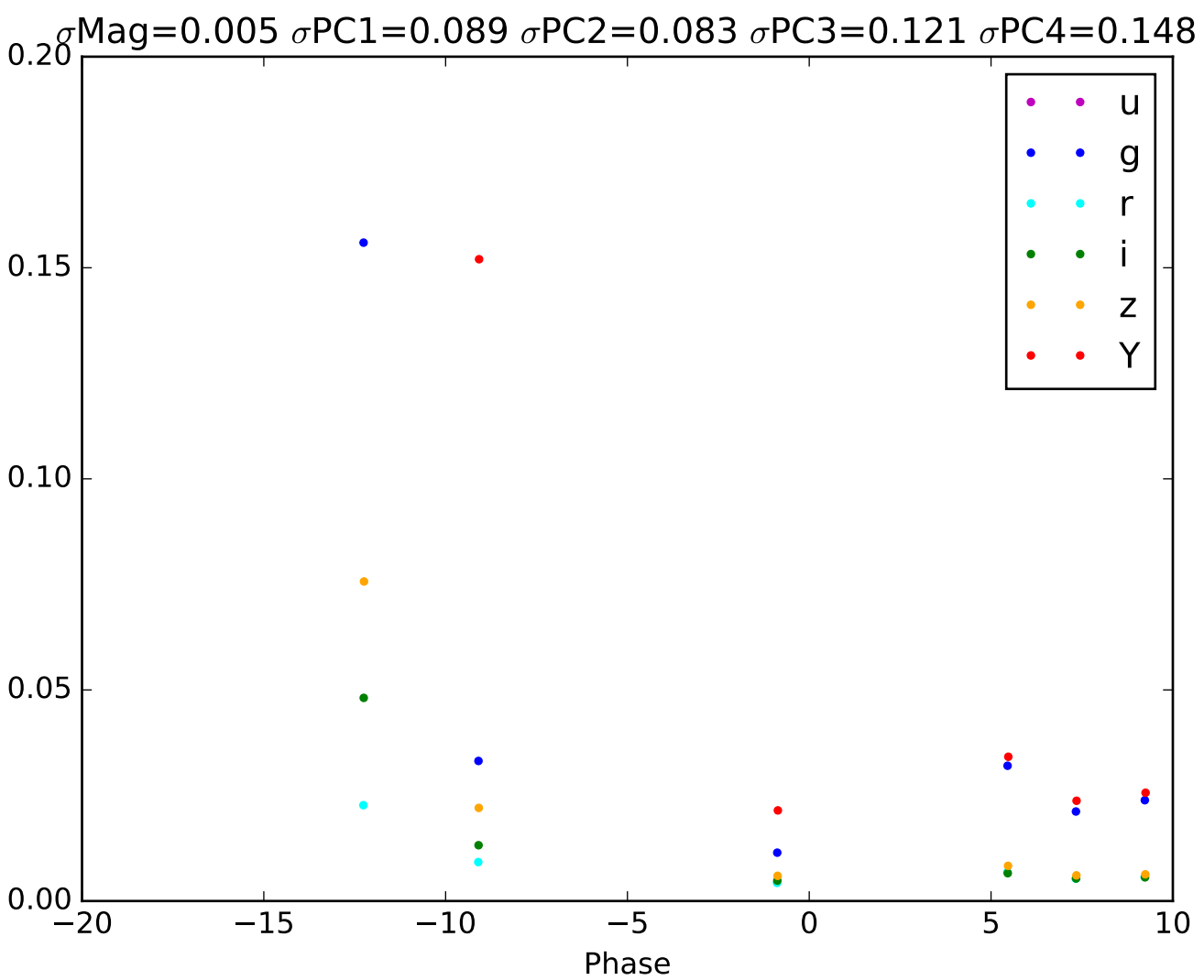


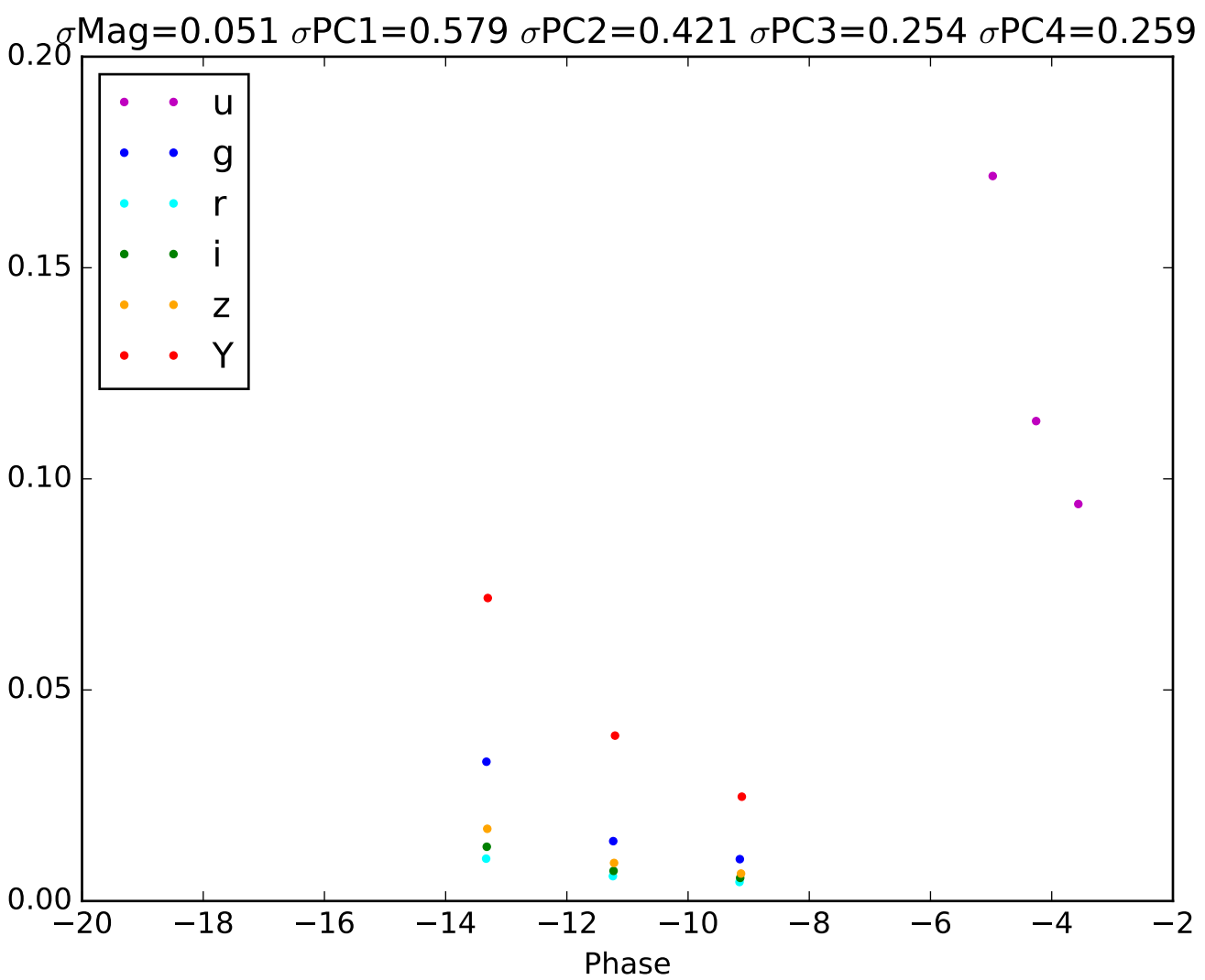




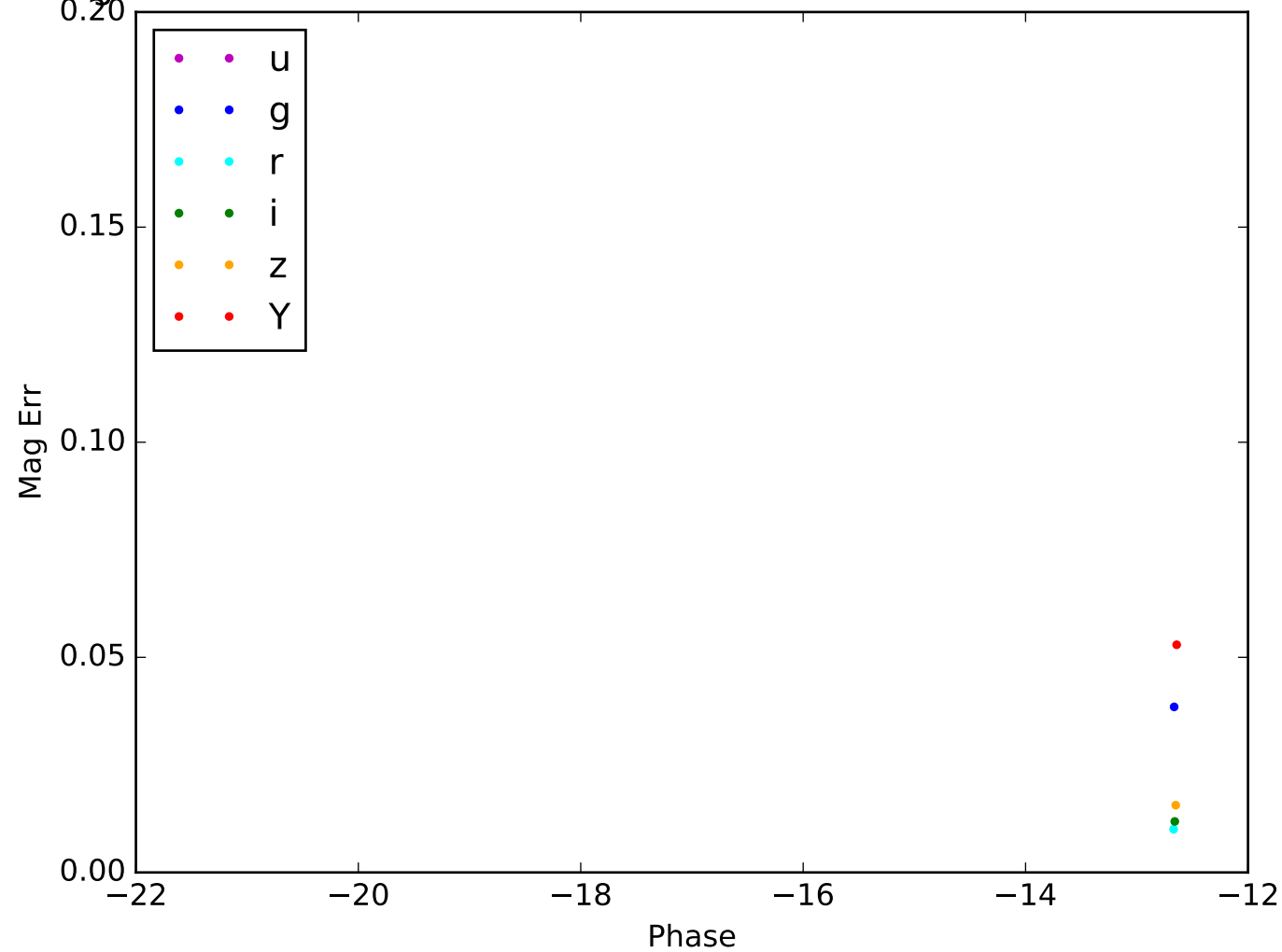
$\sigma_{\text{Mag}}=0.005$ $\sigma_{\text{PC1}}=0.059$ $\sigma_{\text{PC2}}=0.073$ $\sigma_{\text{PC3}}=0.058$ $\sigma_{\text{PC4}}=0.052$

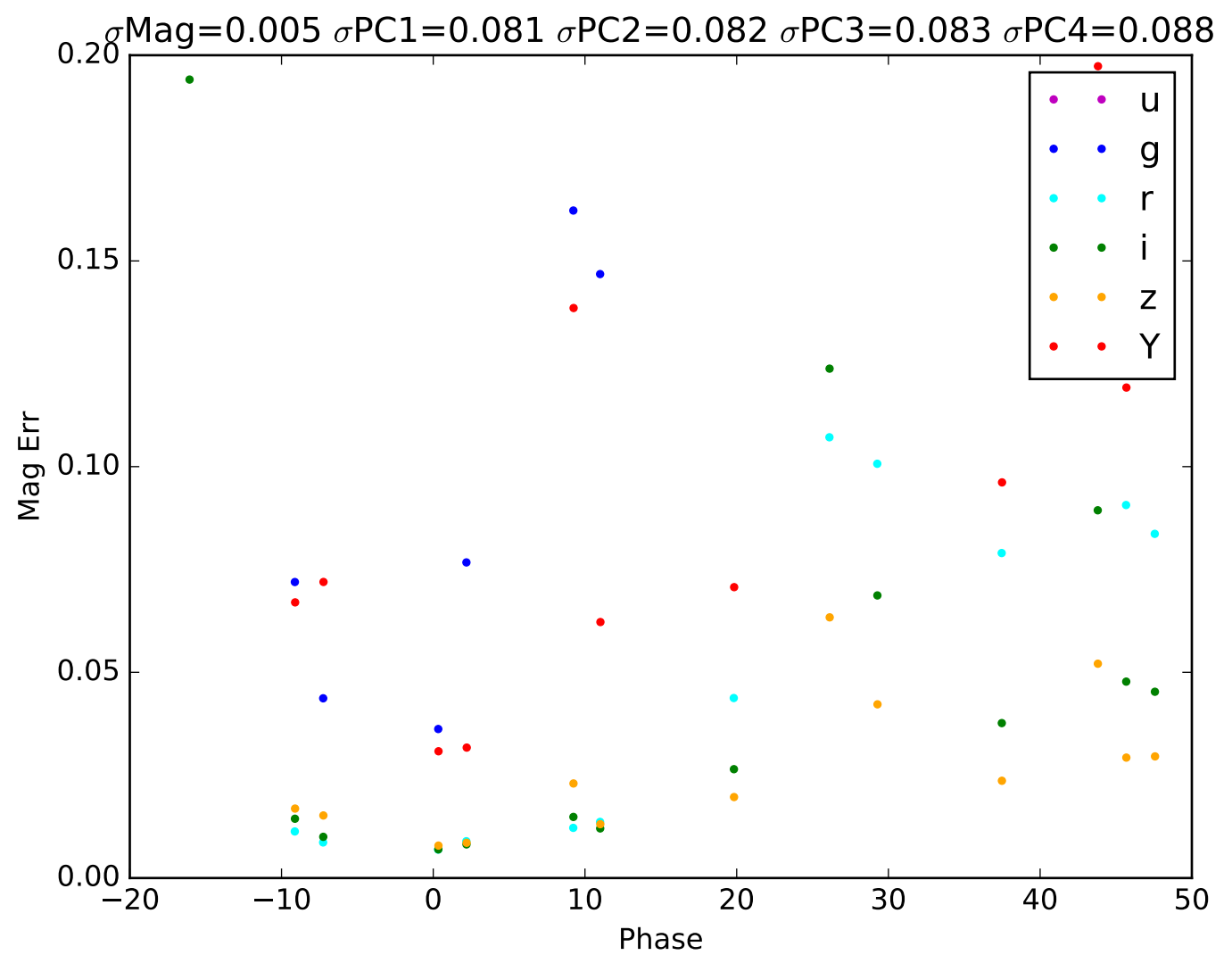


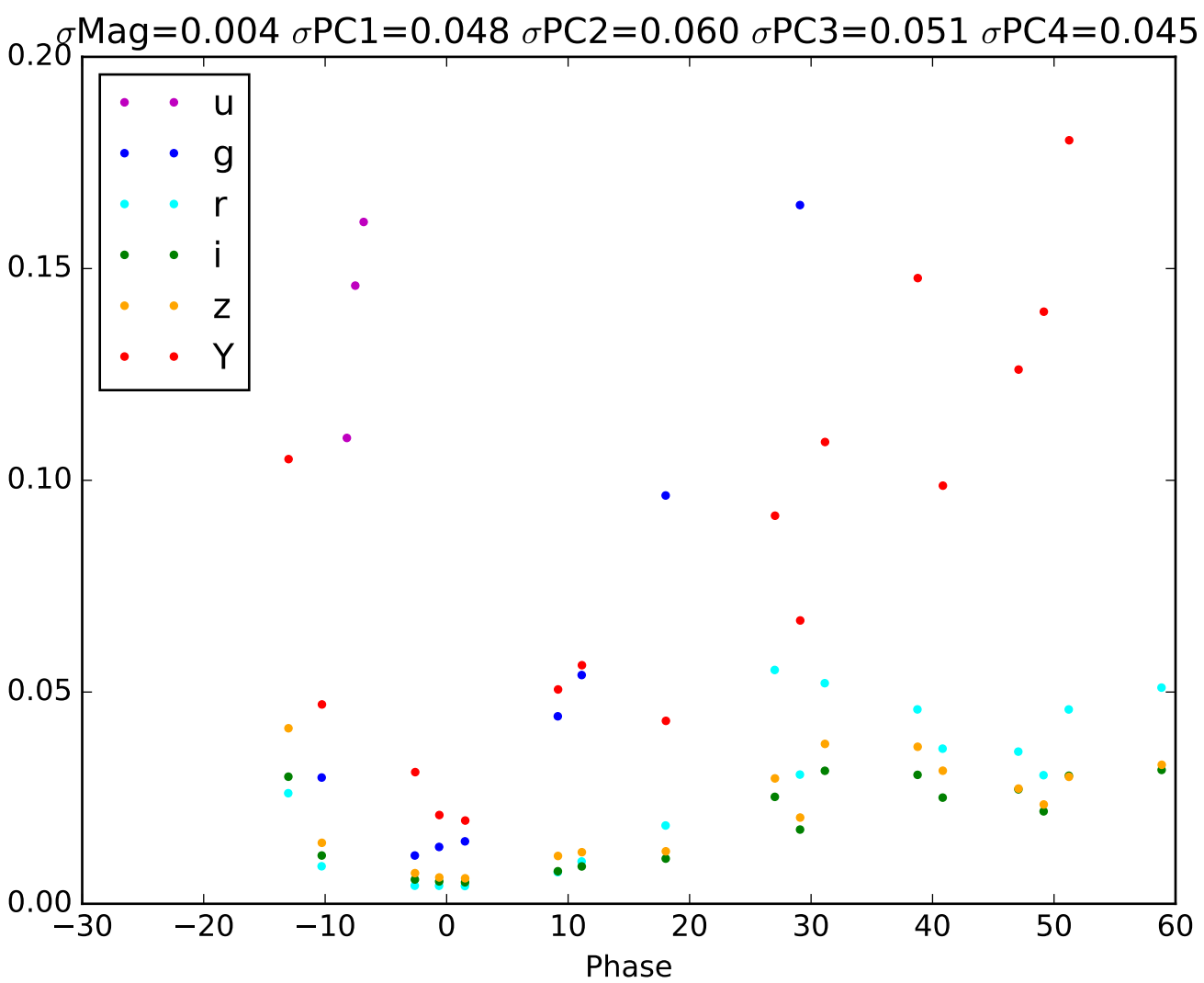


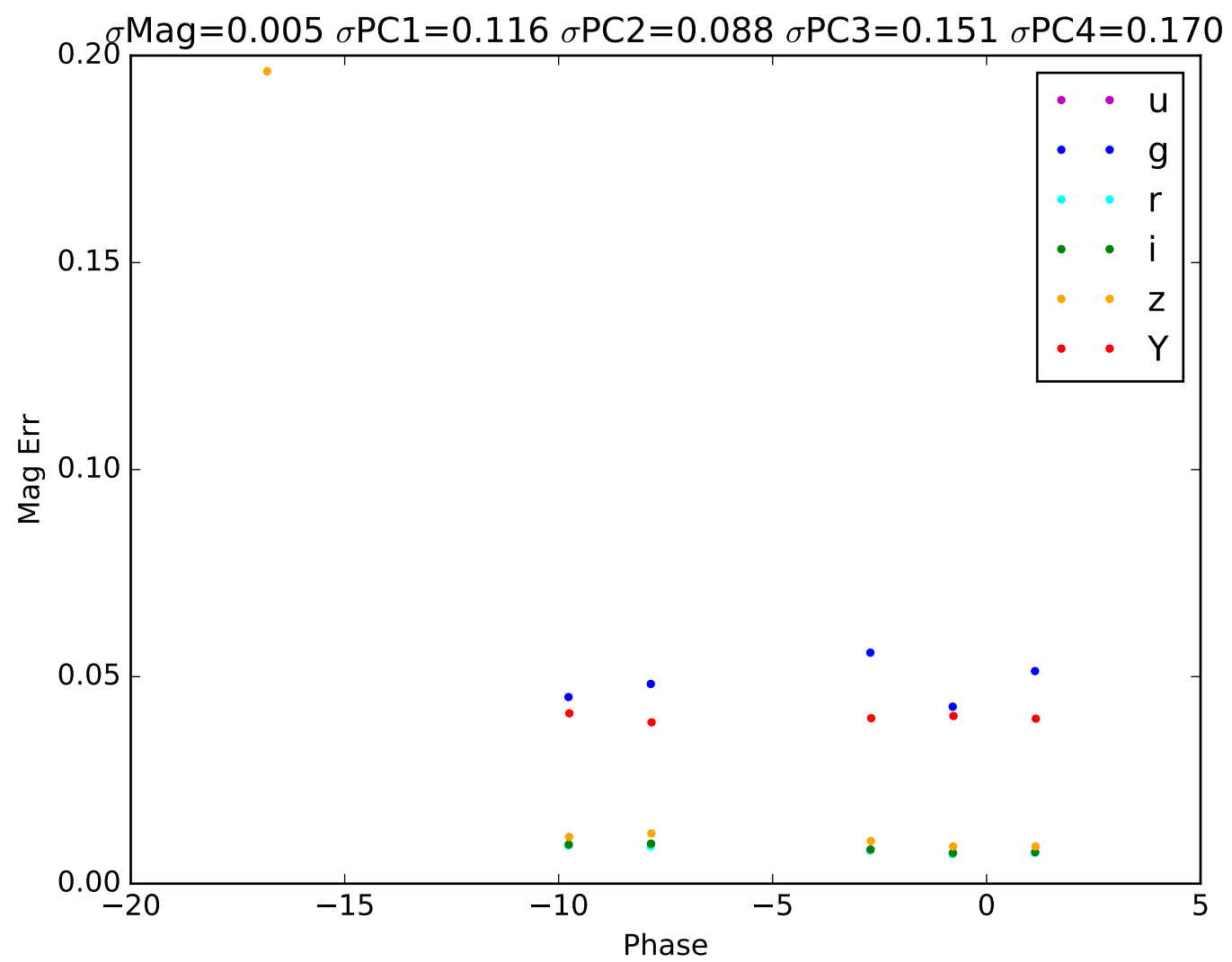


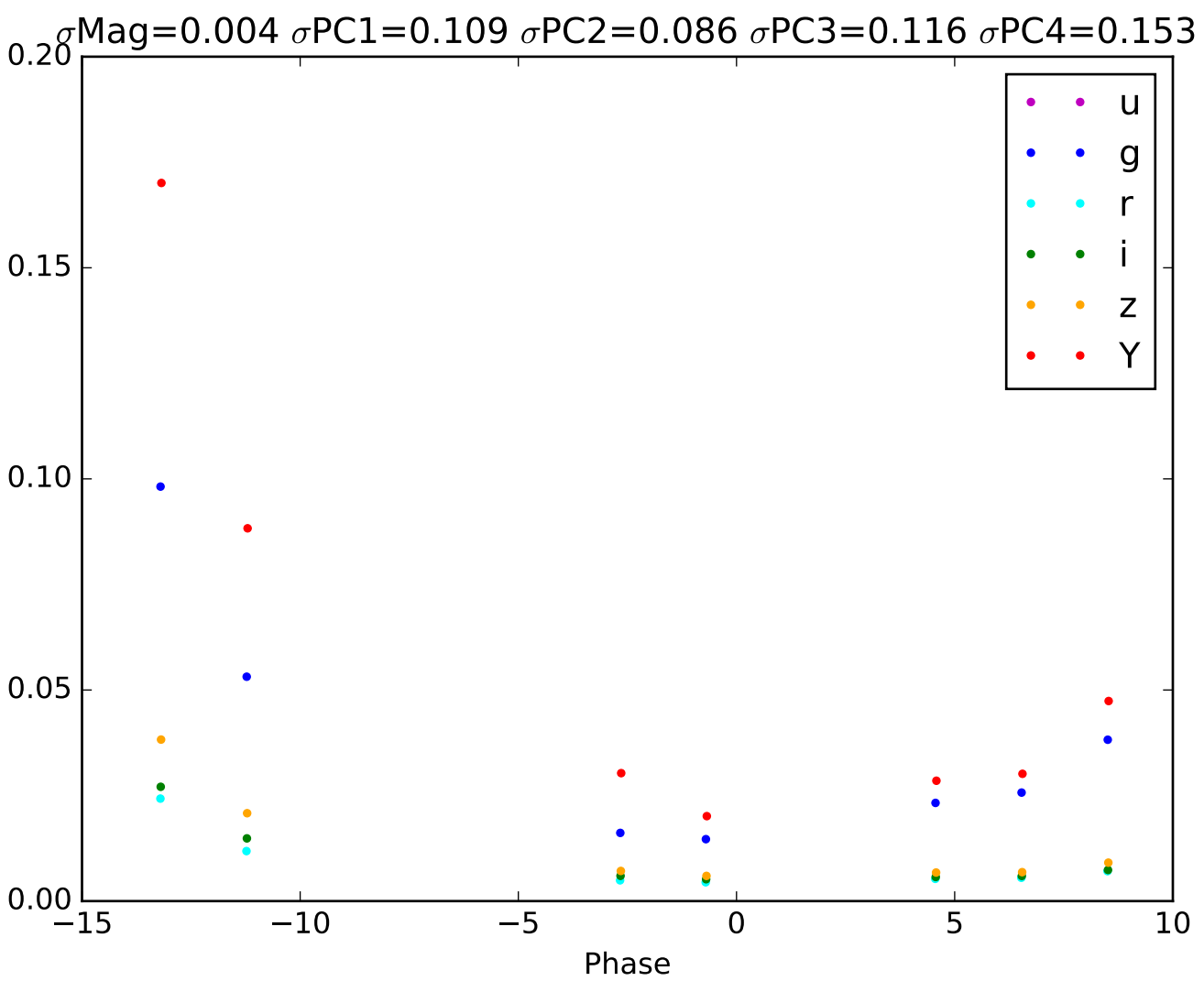
$\sigma_{\text{Mag}}=27.735$ $\sigma_{\text{PC1}}=306.800$ $\sigma_{\text{PC2}}=218.523$ $\sigma_{\text{PC3}}=10.480$ $\sigma_{\text{PC4}}=106.749$

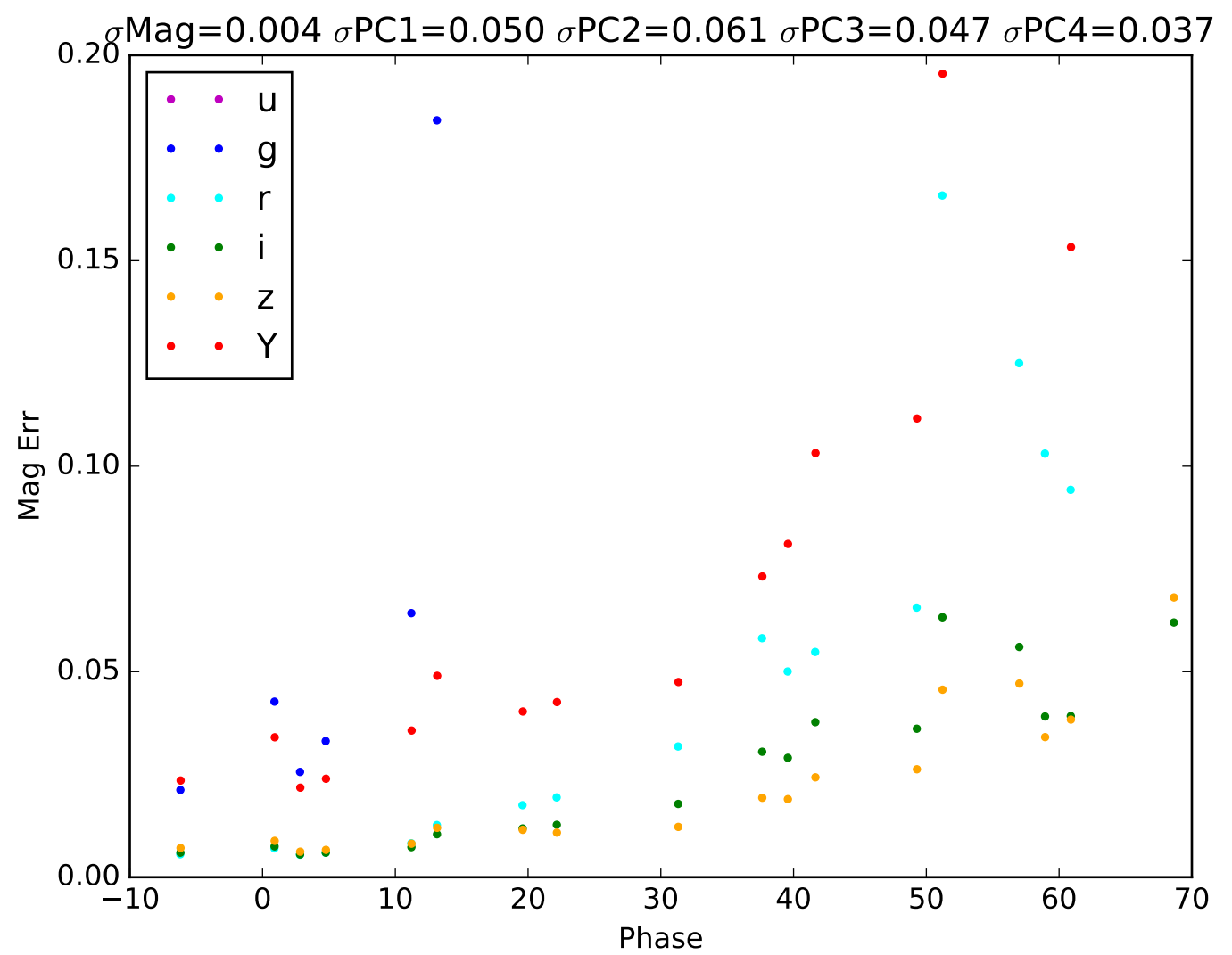


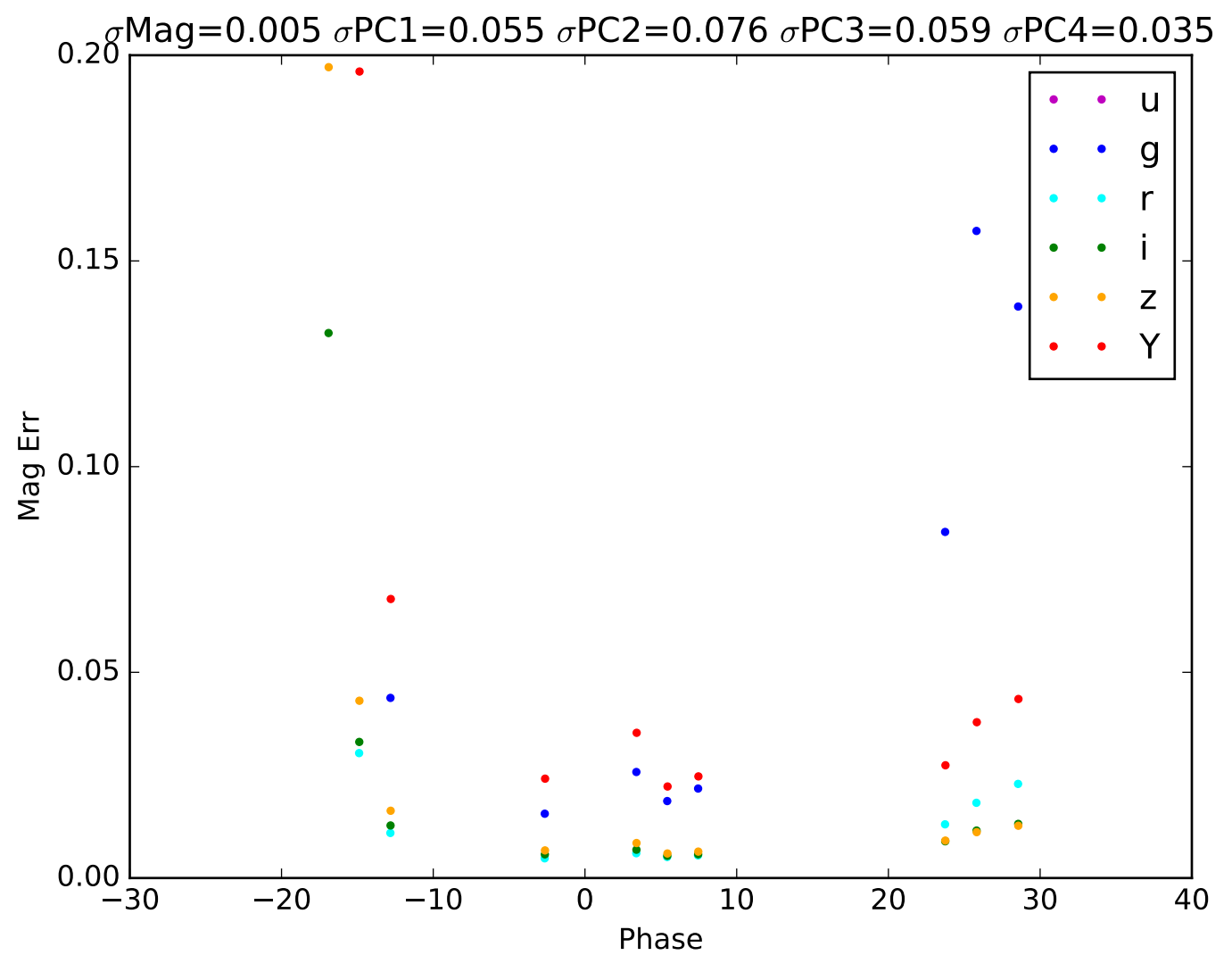




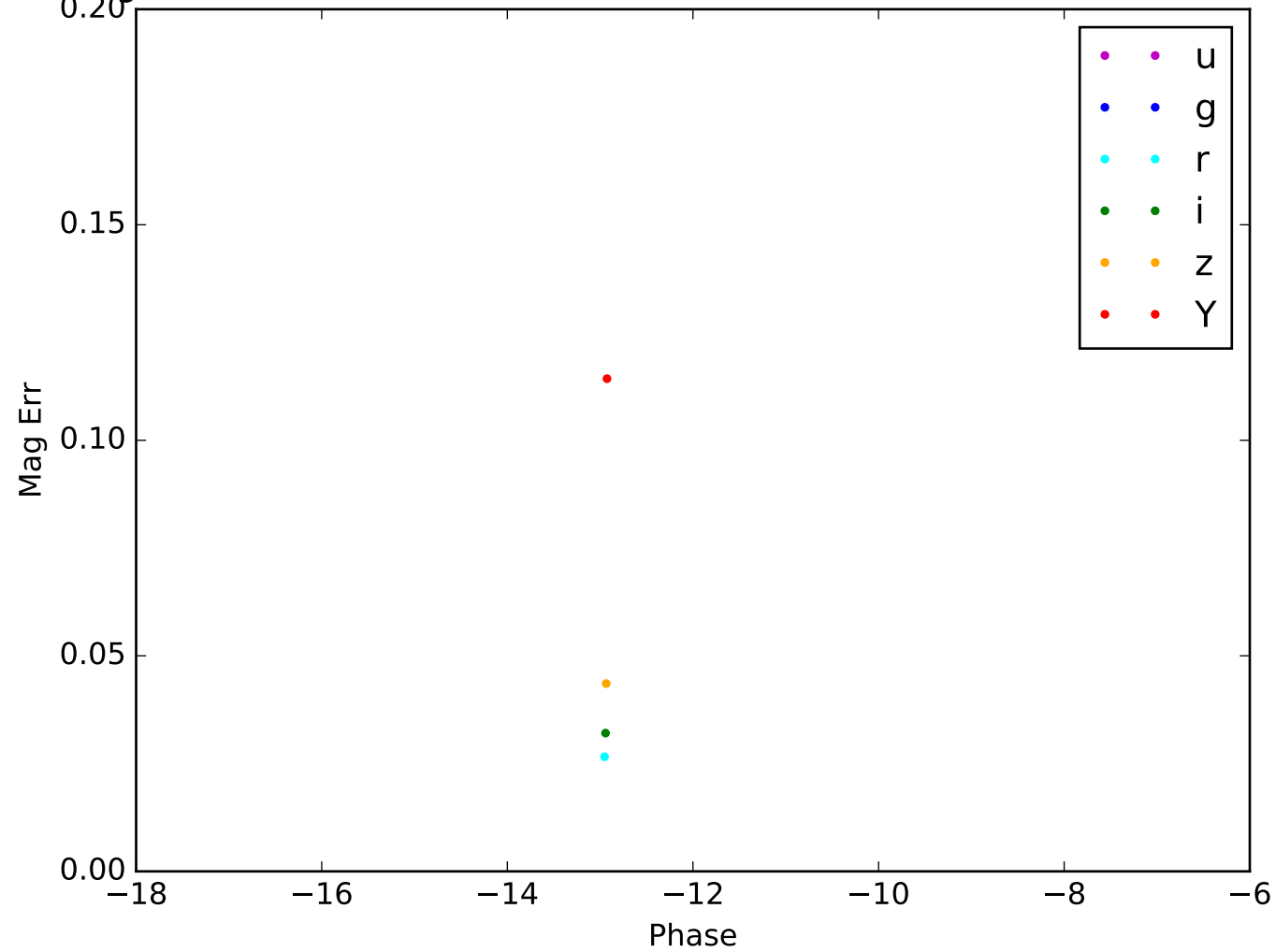


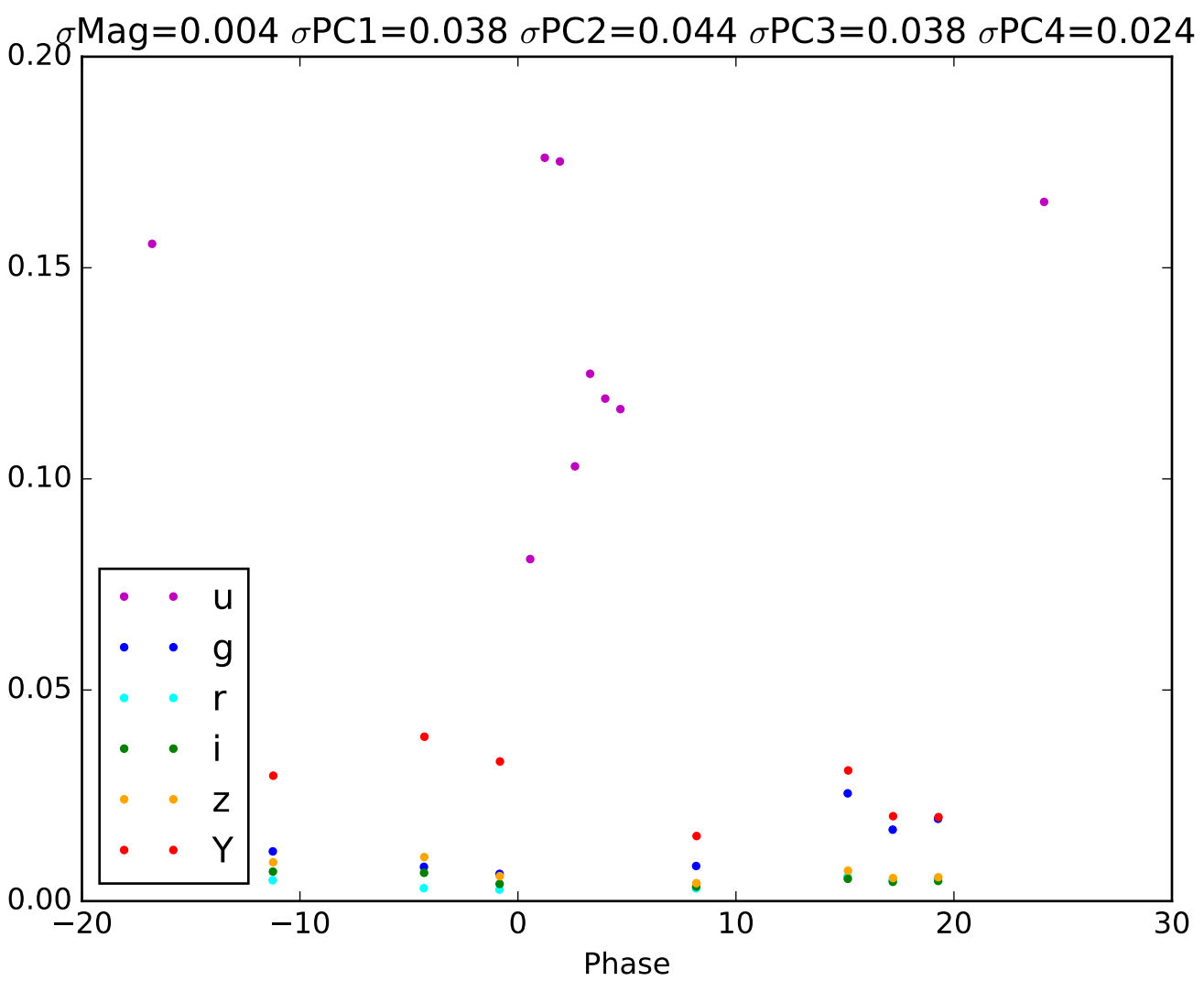




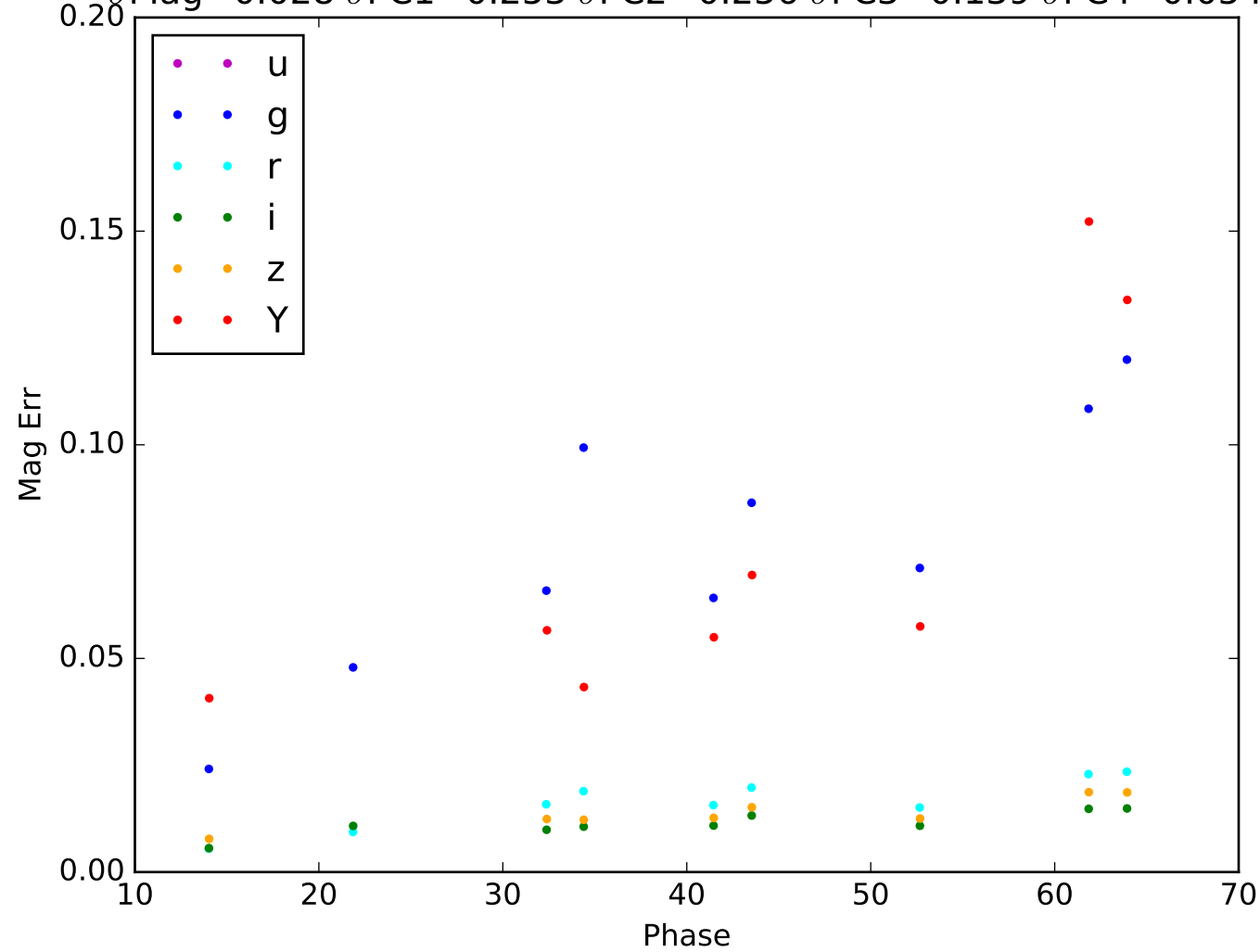


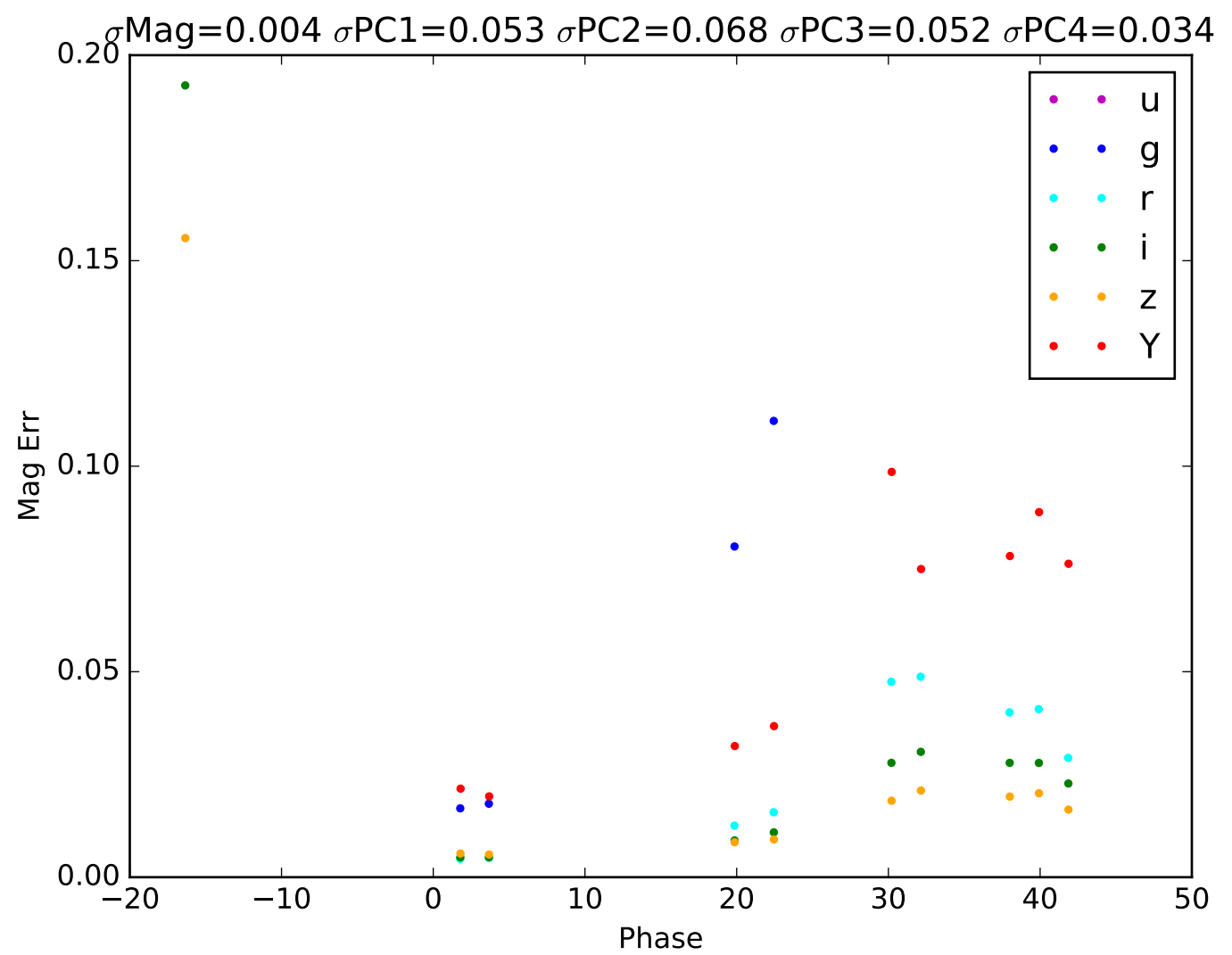
$\sigma_{\text{Mag}}=25.820$ $\sigma_{\text{PC1}}=285.618$ $\sigma_{\text{PC2}}=203.435$ $\sigma_{\text{PC3}}=9.890$ $\sigma_{\text{PC4}}=99.386$





$\sigma_{\text{Mag}}=0.028$ $\sigma_{\text{PC1}}=0.253$ $\sigma_{\text{PC2}}=0.256$ $\sigma_{\text{PC3}}=0.139$ $\sigma_{\text{PC4}}=0.054$





$\sigma_{\text{Mag}}=0.004$ $\sigma_{\text{PC1}}=0.046$ $\sigma_{\text{PC2}}=0.066$ $\sigma_{\text{PC3}}=0.046$ $\sigma_{\text{PC4}}=0.027$

