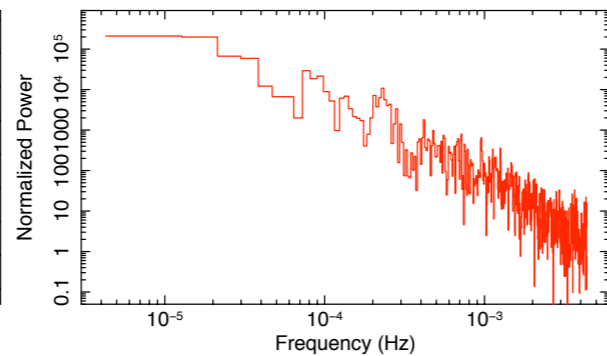
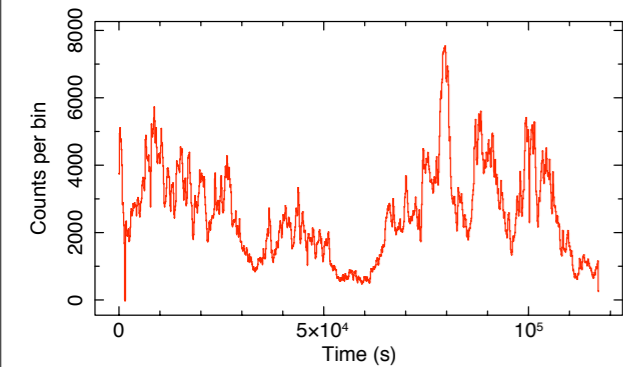


NGC 4051 (XMM PN)

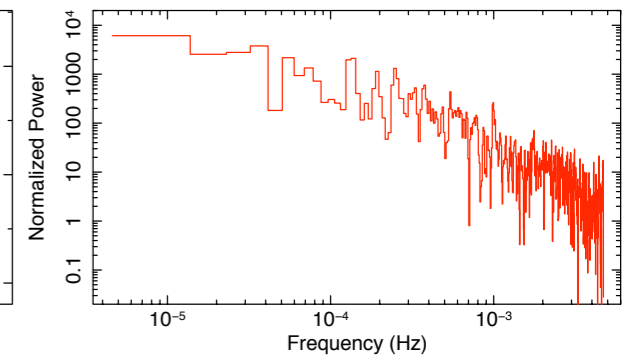
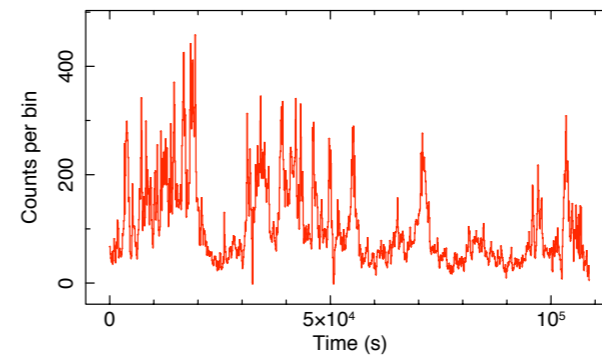
NGC 4051 (XMM PN)

NGC 4395 (XMM PN)

NGC 4395 (XMM PN)

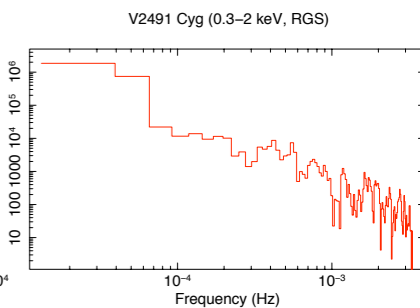
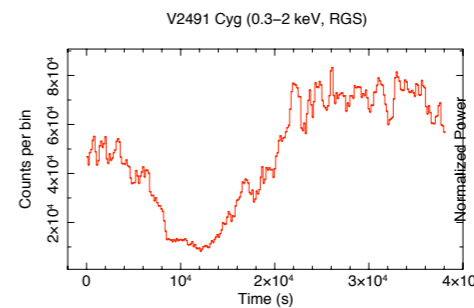
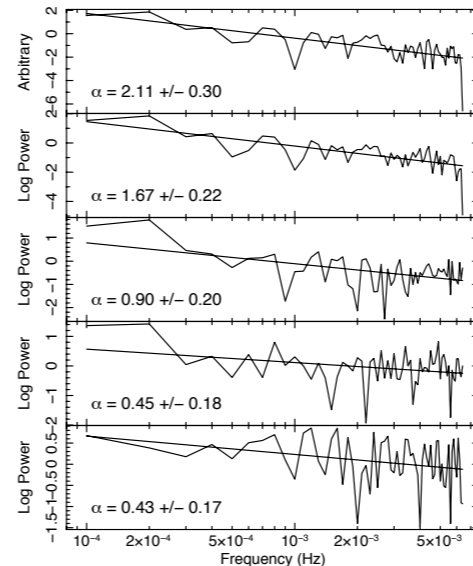
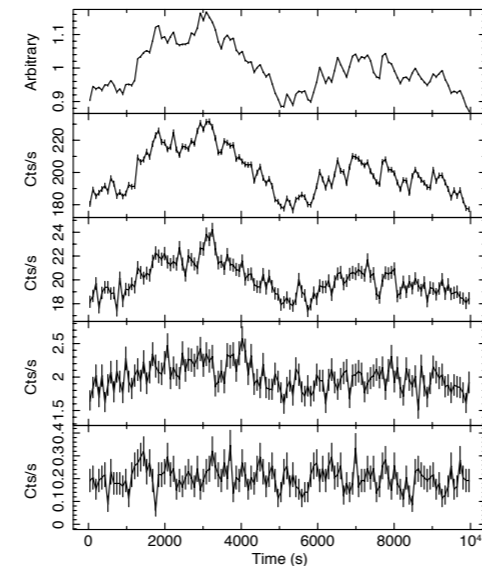


AGN

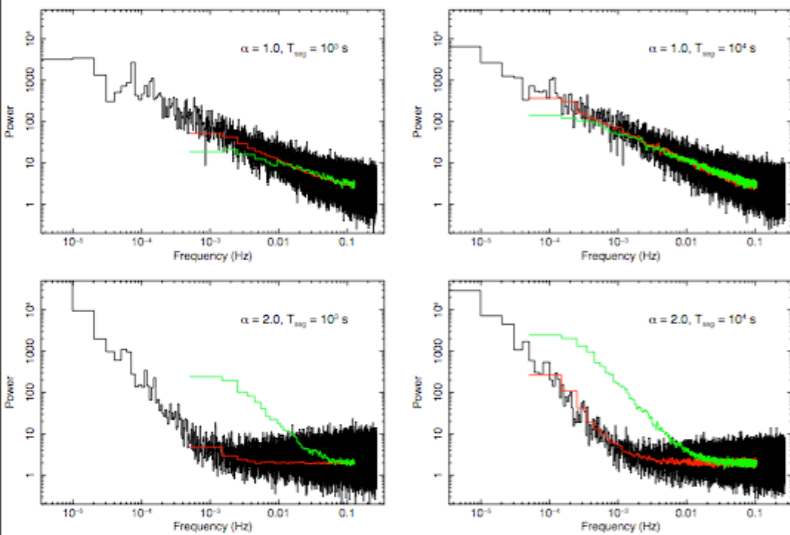


$$P(f) \propto f^{-\alpha}$$

Red noise leak

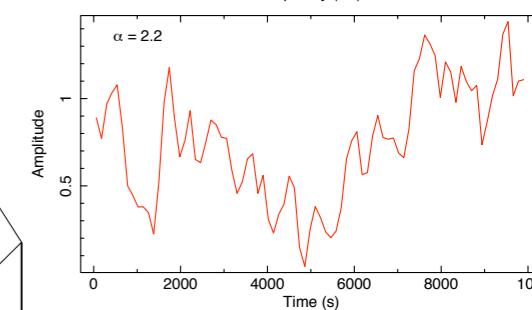
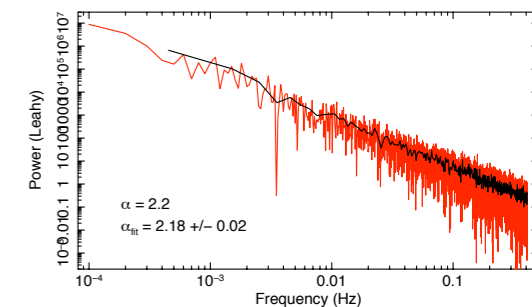


WD

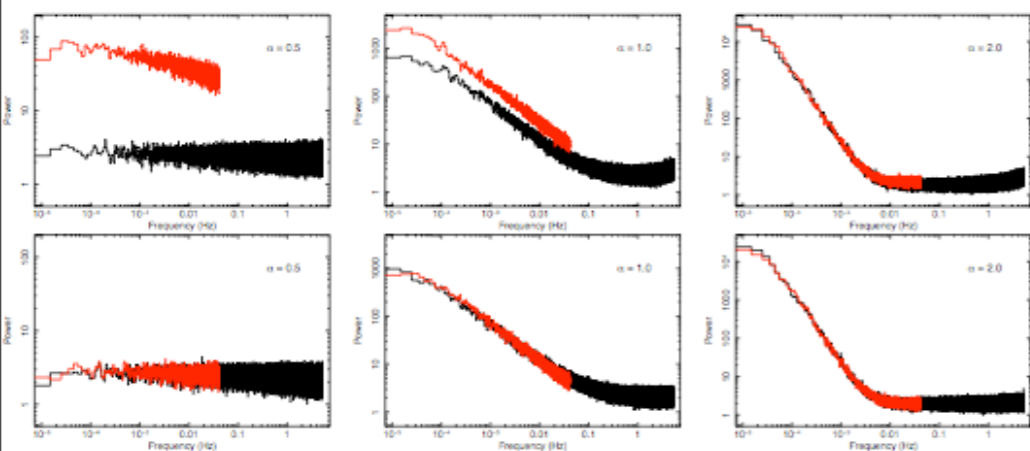


Red Noise Everywhere

Guillaume Belanger, ESA, ESAC



Aliasing

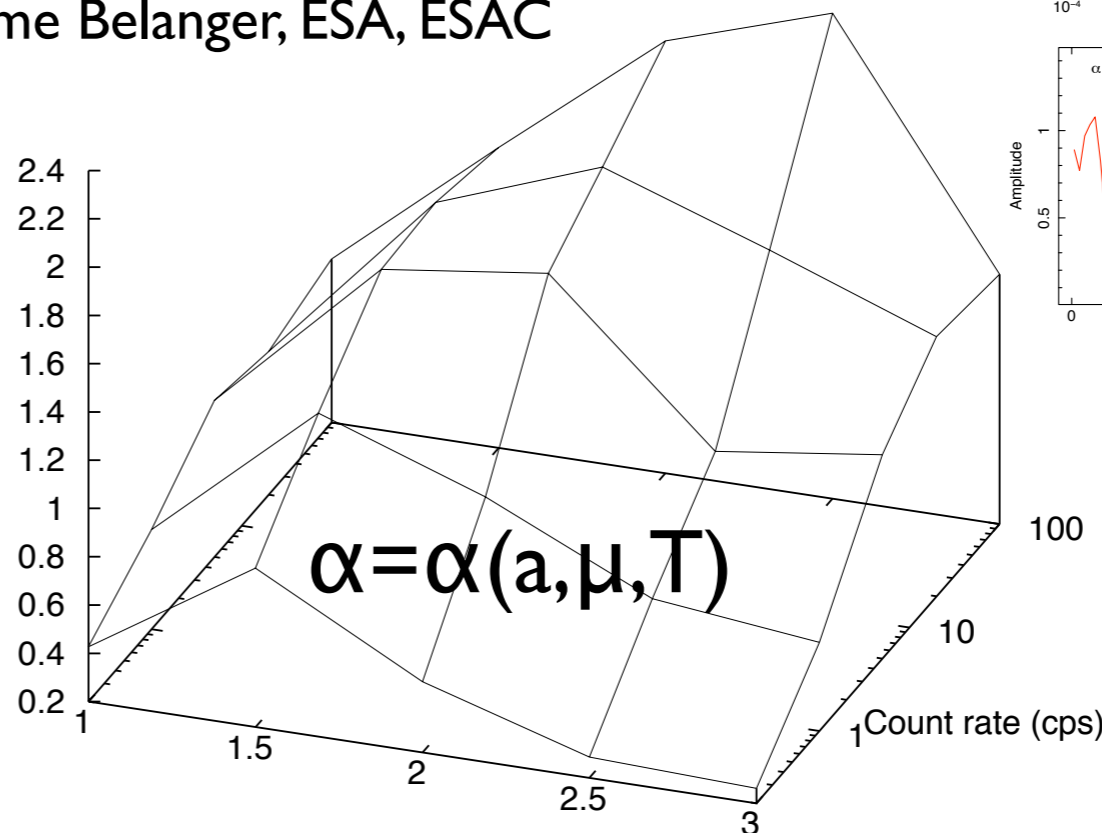


Estimated spectral index

2.4
2.2
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2

$$\alpha = \alpha(a, \mu, T)$$

True spectral index



100

10

1 Count rate (cps)