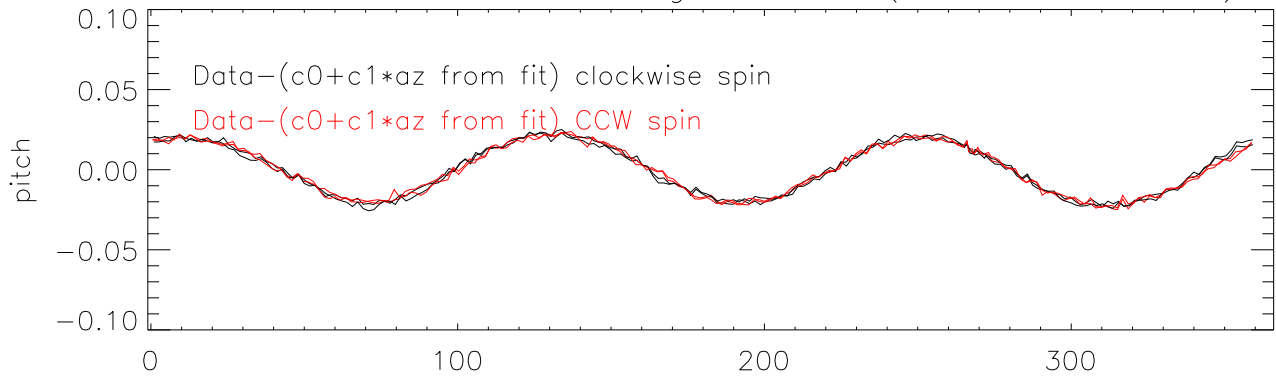
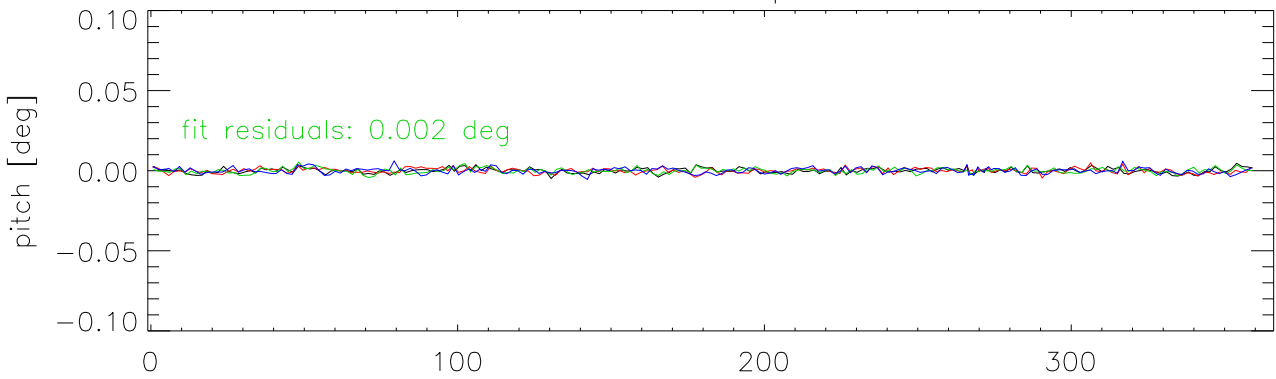


22oct17 tilt sensor az swings PITCH - (c0+c1*az from fit)



Residual from pitch fit



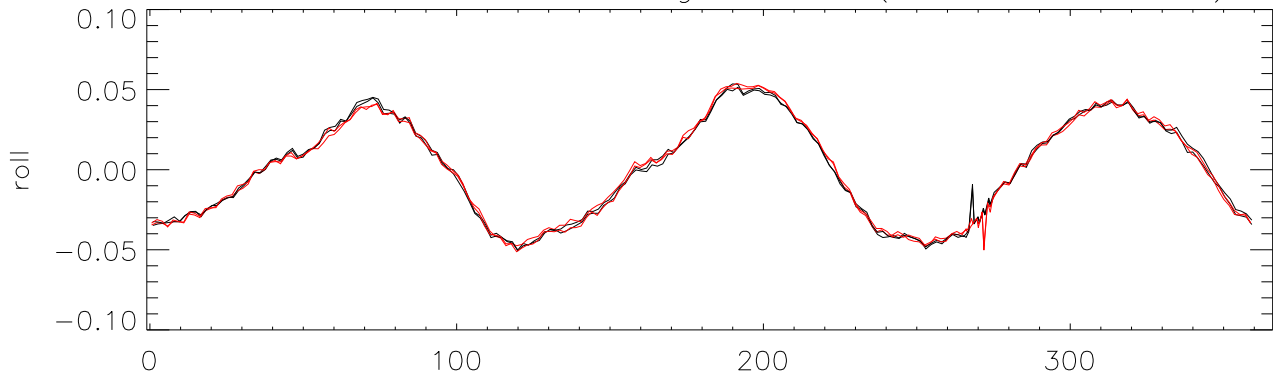
$$\text{Pitch} = 0.2696 + 0.0000*za + 4.38e-06*az + 0.0017*\sin(az - 3.8) + 0.0210*\sin(3az - 303.2)$$

$$\text{Pitch} = 0.2719 + 0.0000*za - 9.81e-08*az + 0.0020*\sin(az - 65.5) + 0.0216*\sin(3az - 304.2)$$

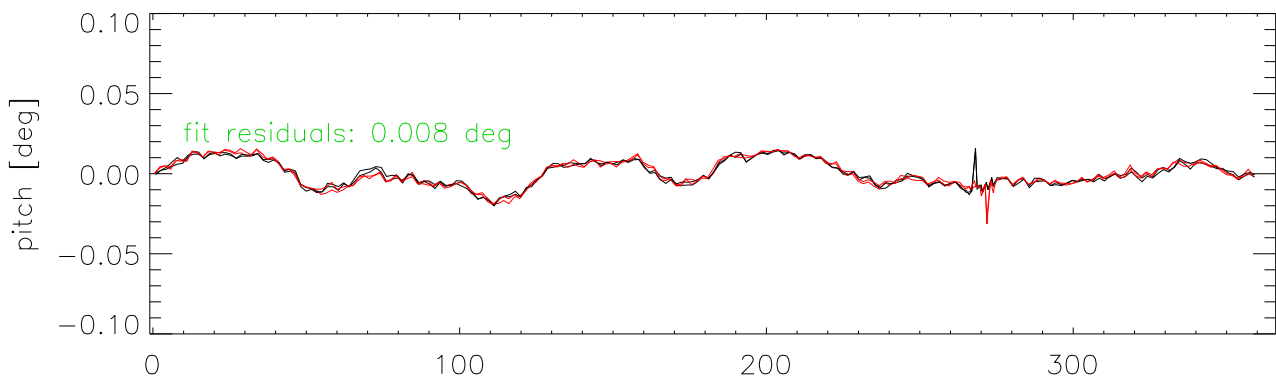
$$\text{Pitch} = 0.2709 + 0.0000*za + 2.00e-06*az + 0.0021*\sin(az - 30.4) + 0.0211*\sin(3az - 305.7)$$

$$\text{Pitch} = 0.2709 + 0.0000*za + 2.27e-06*az + 0.0017*\sin(az - 46.8) + 0.0209*\sin(3az - 305.9)$$

22oct17 tilt sensor az swings Roll - (c0+c1*az from fit)



Residual from roll fit



$$\text{Roll} = -0.2085 + 0.0000*za + 4.23e-05*az + \\ \text{za:10.0 } 0.0013*\sin(\text{az} - 252.6) + \\ 0.0414*\sin(3\text{az} - 123.7)$$

$$\text{Roll} = -0.2076 + 0.0000*za + 9.57e-06*az + \\ \text{za:10.0 } 0.0027*\sin(\text{az} - 242.4) + \\ 0.0413*\sin(3\text{az} - 124.2)$$

$$\text{Roll} = -0.2046 + 0.0000*za + 2.61e-06*az + \\ \text{za:10.0 } 0.0004*\sin(\text{az} - 158.6) + \\ 0.0413*\sin(3\text{az} - 124.6)$$

$$\text{Roll} = -0.2076 + 0.0000*za + 8.96e-06*az + \\ \text{za:10.0 } 0.0020*\sin(\text{az} - 223.5) + \\ 0.0417*\sin(3\text{az} - 124.8)$$