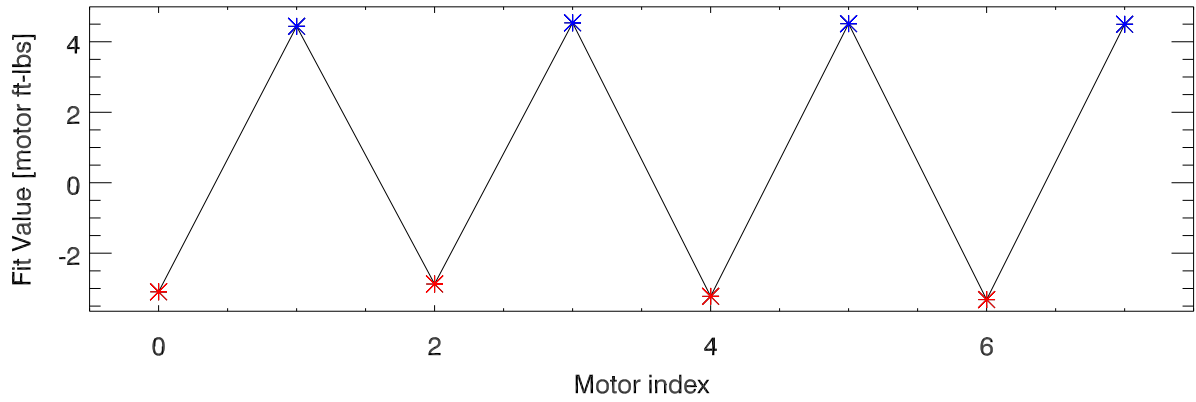
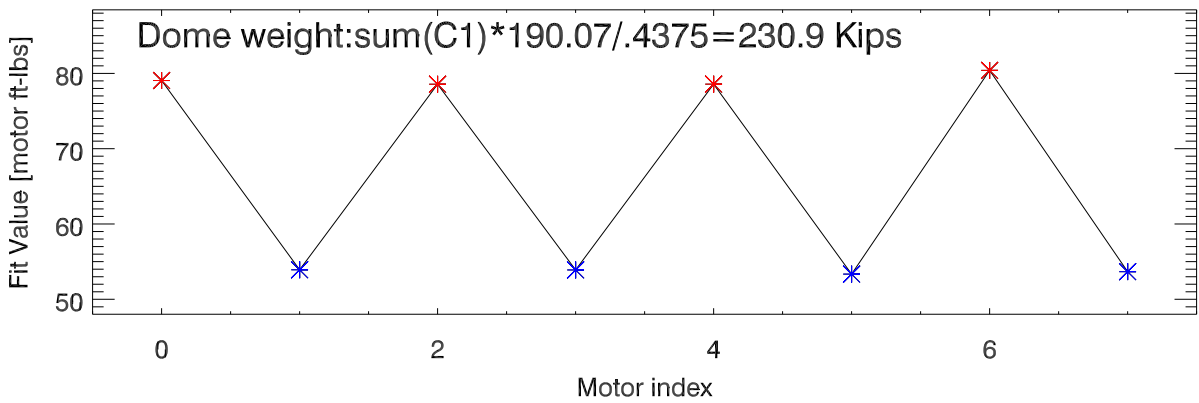


- x0:m11
- x1:m12
- x2:m21
- x3:m22
- x4:m31
- x5:m32
- x6:m41
- x7:m42

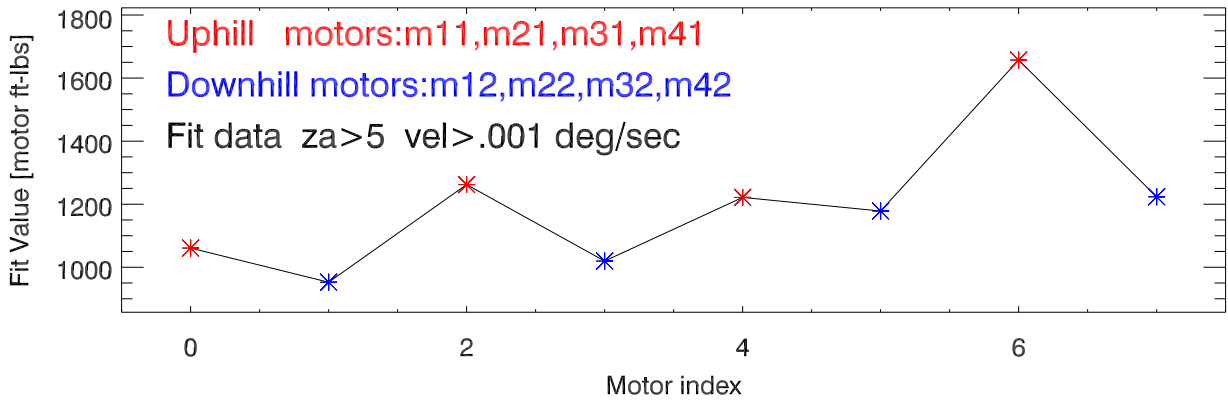
mar12:GrTorques. Fit:C0 + C1*sinza + C2*vel * C3*accel. (c0:Constant)



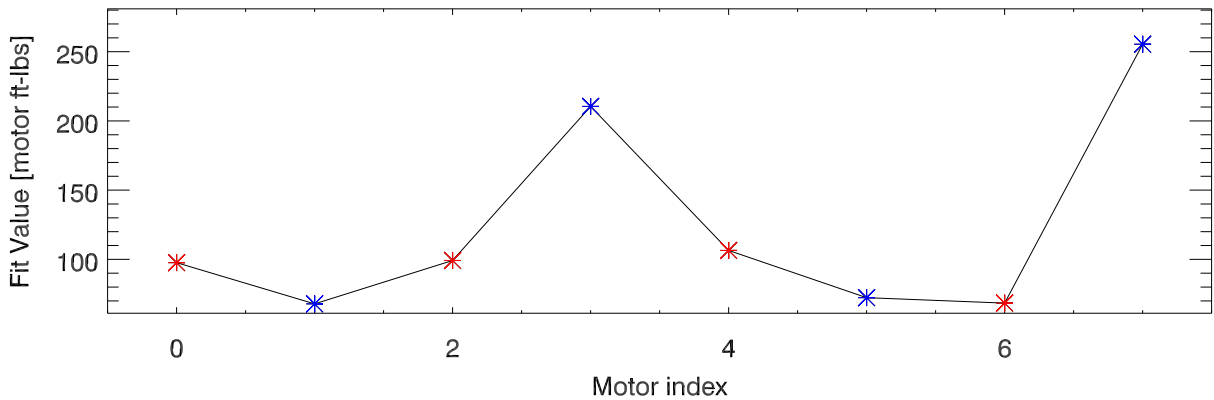
(c1*sinza:Gravity)

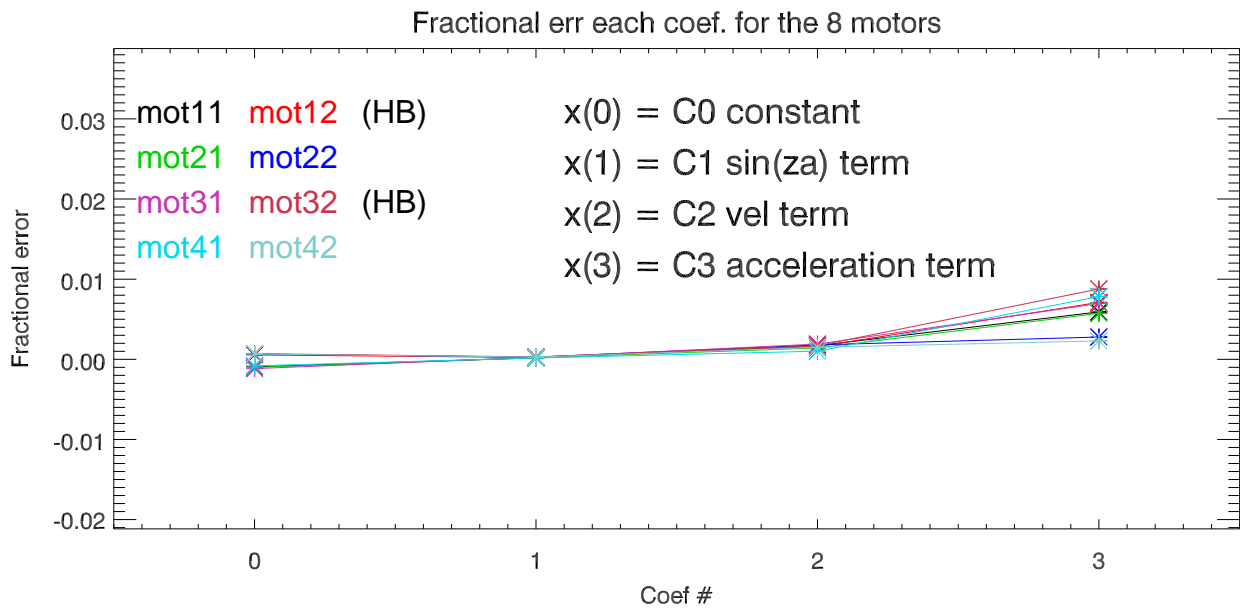
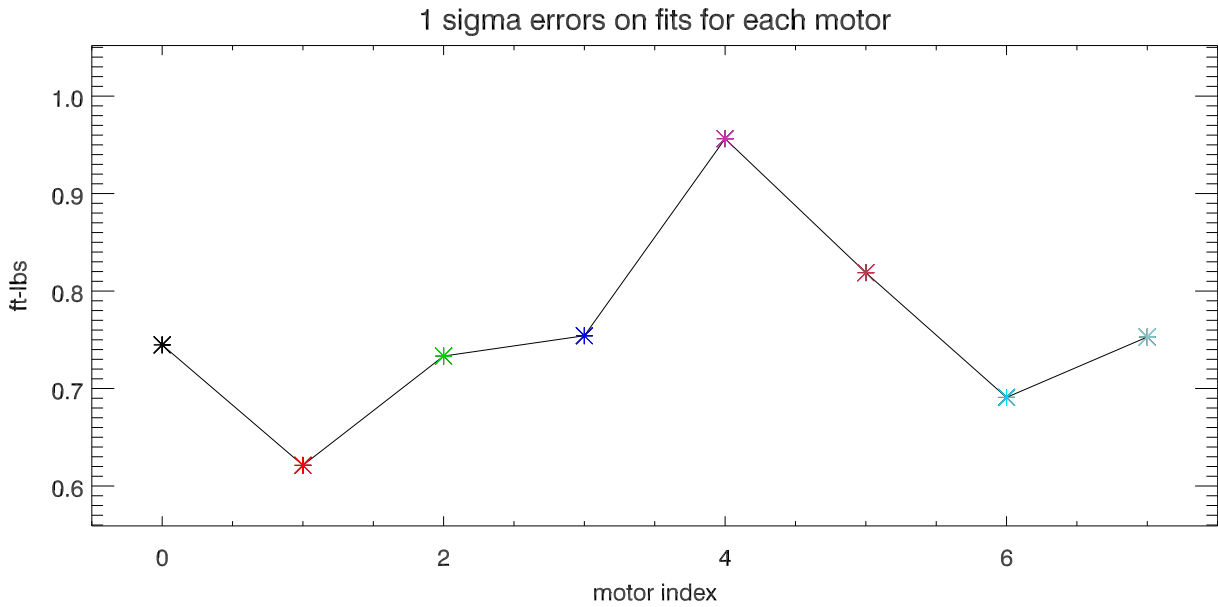


(c2*vel (deg/sec):Friction)



(c3*accel(deg/sec ^ 2):Acceleration)





Fit = $C0 + C1 \cdot \sin(za) + C2 \cdot \text{vel}(\text{deg}/\text{sec}) + C3 \cdot \text{accel}(\text{deg}/\text{sec}^2)$
 MaxVel = (.0147 deg/sec) maxAccel = (.025 deg/sec²)

Fit values (ft-lbs) for each motor

motor	C0	C1	C2	C3
m11	-3.09	79.05	1060.92	97.62
m12	4.44	53.92	952.53	67.87
m21	-2.87	78.56	1262.16	99.21
m22	4.54	53.90	1019.63	210.47
m31	-3.22	78.57	1221.60	106.47
m32	4.51	53.35	1178.36	72.34
m41	-3.31	80.39	1657.07	68.40
m42	4.50	53.67	1223.33	255.39