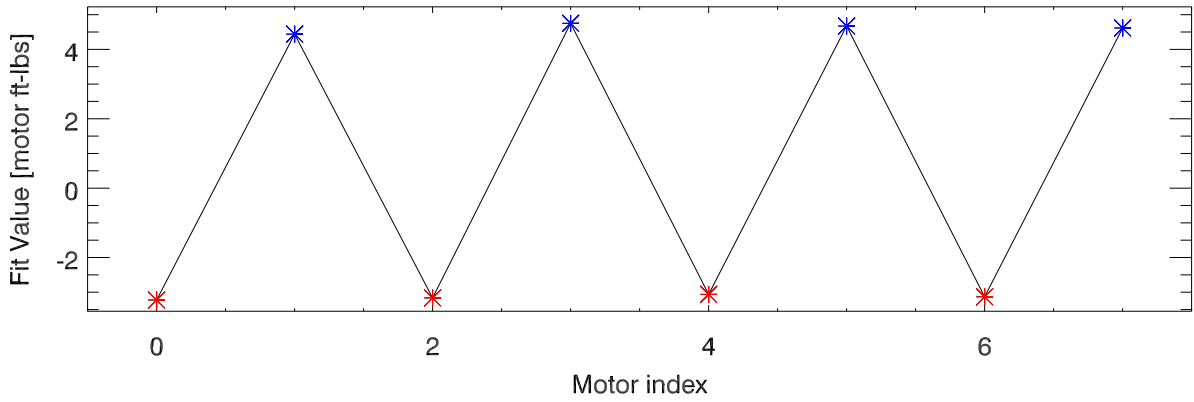
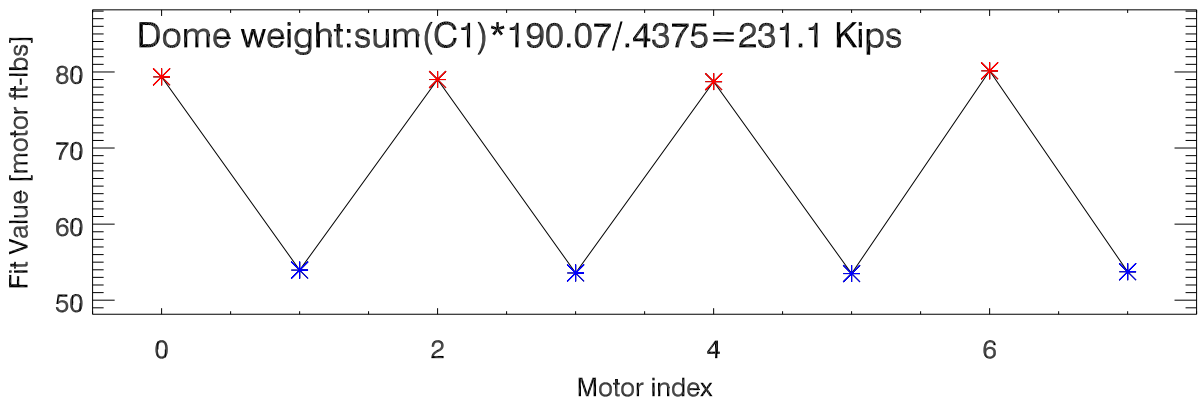


- x0:m11
- x1:m12
- x2:m21
- x3:m22
- x4:m31
- x5:m32
- x6:m41
- x7:m42

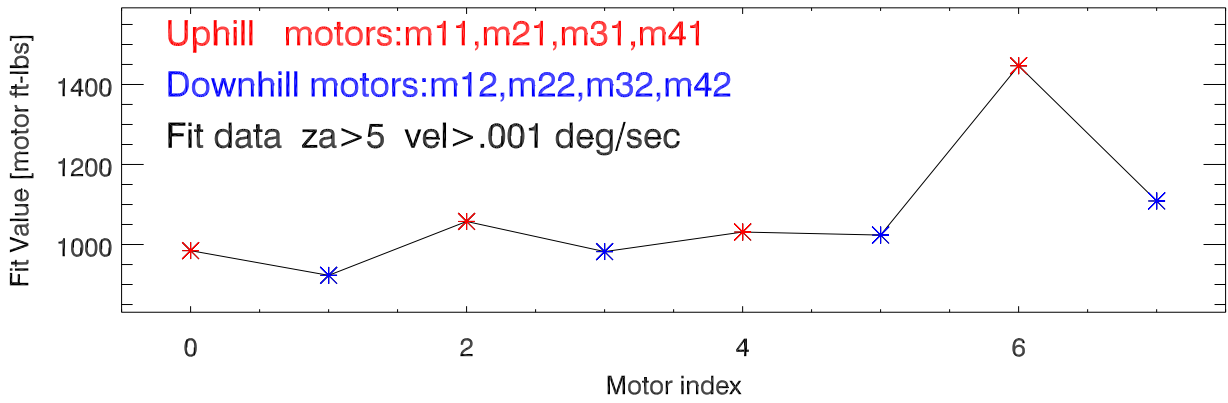
may13:GrTorques. Fit:C0 + C1*sinza + C2*vel * C3*accel. (c0:Constant)



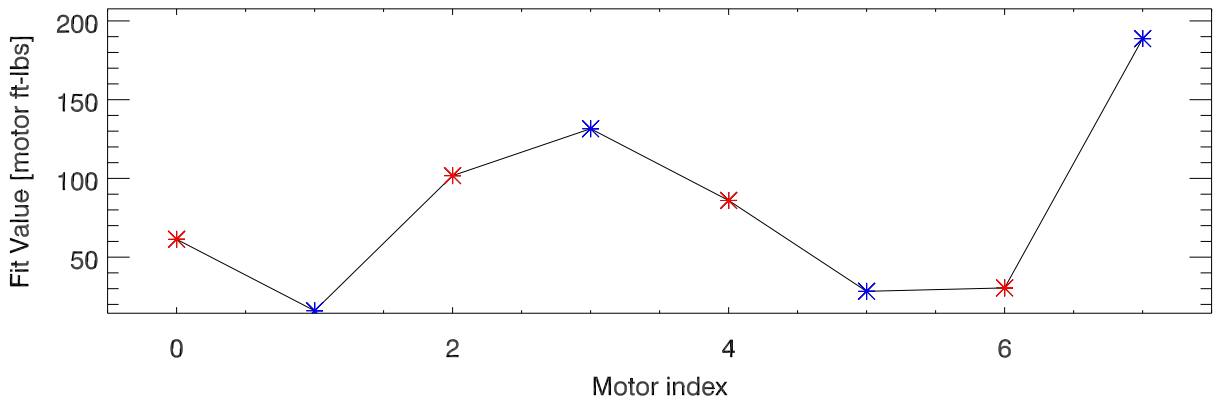
(c1*sinza:Gravity)

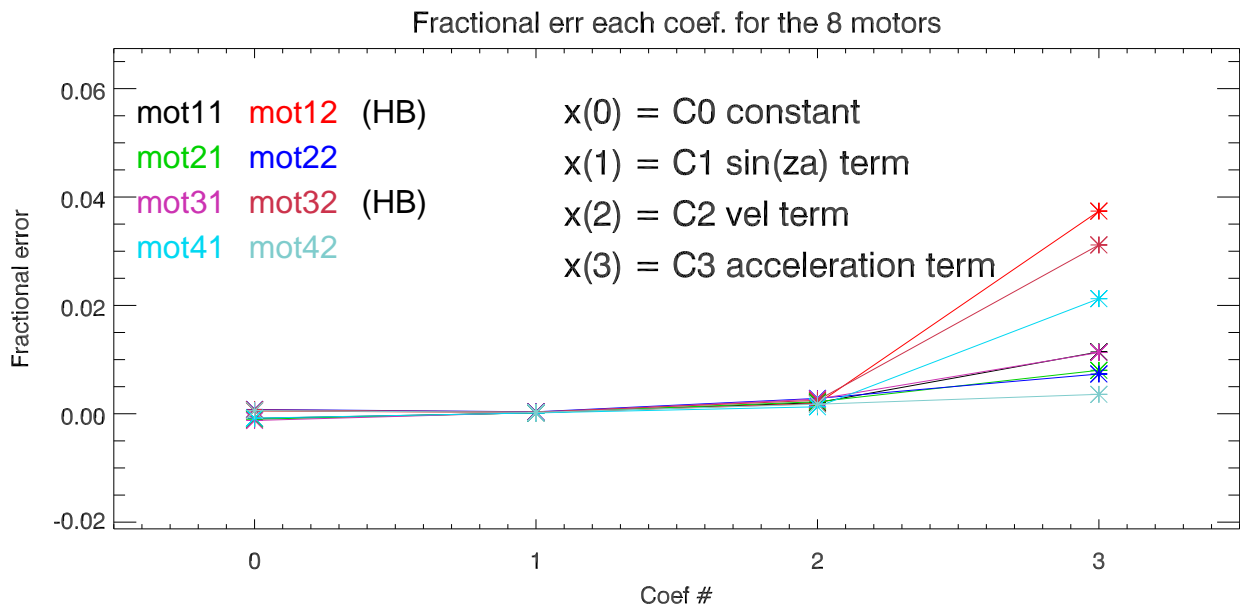
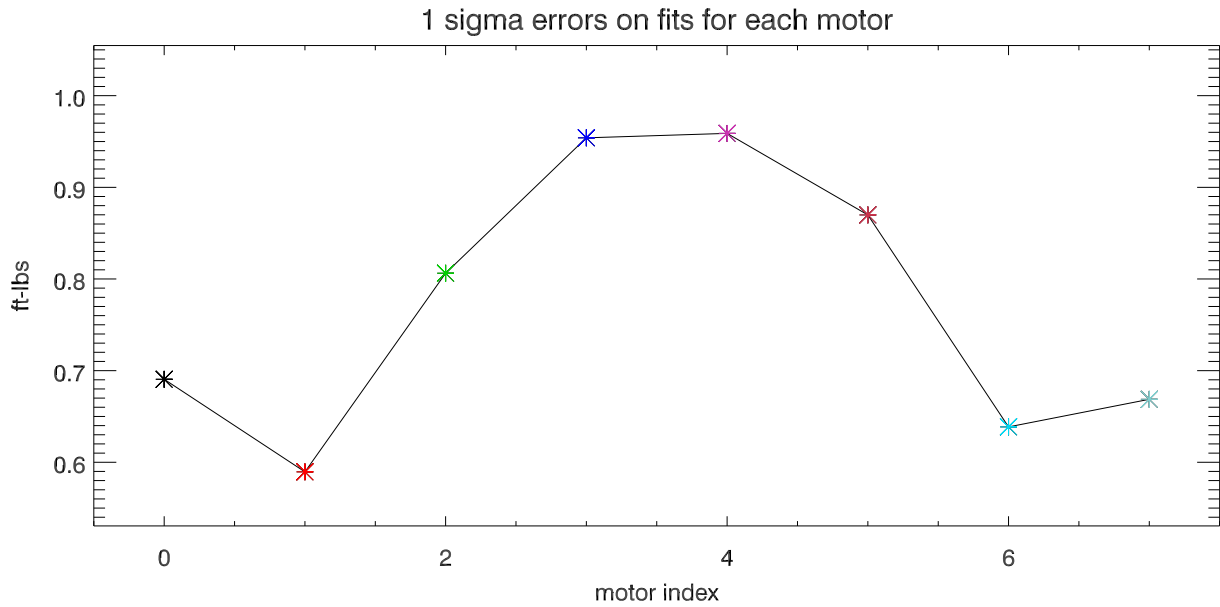


(c2*vel (deg/sec):Friction)



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





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

Fit values (ft-lbs) for each motor

motor	C0	C1	C2	C3
m11	-3.23	79.35	984.74	61.33
m12	4.44	53.96	923.00	15.98
m21	-3.16	79.00	1057.53	101.76
m22	4.75	53.59	982.20	131.56
m31	-3.06	78.73	1031.10	85.99
m32	4.67	53.51	1023.58	28.30
m41	-3.13	80.15	1446.81	30.48
m42	4.62	53.74	1108.78	188.79