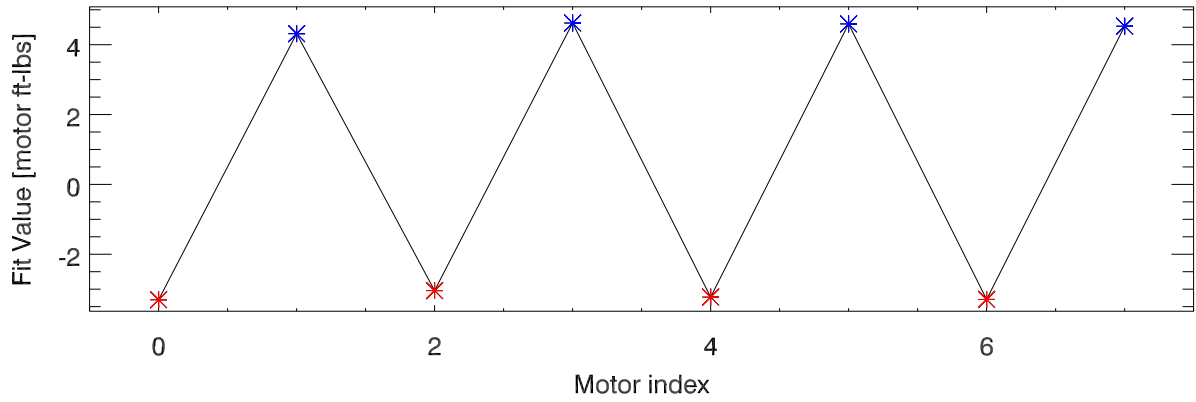
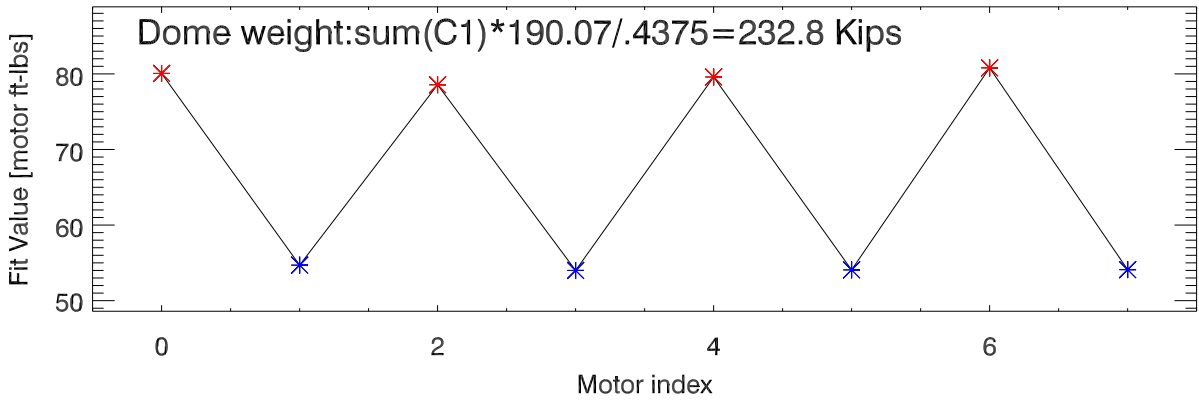


- x0:m11
- x1:m12
- x2:m21
- x3:m22
- x4:m31
- x5:m32
- x6:m41
- x7:m42

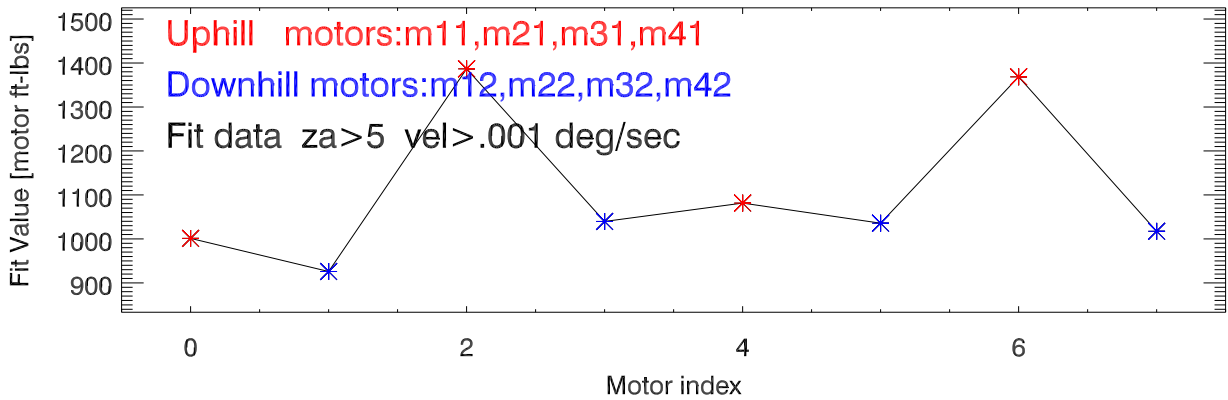
oct12:GrTorques. Fit:C0 + C1\*sinza + C2\*vel \* C3\*accel. (c0:Constant)



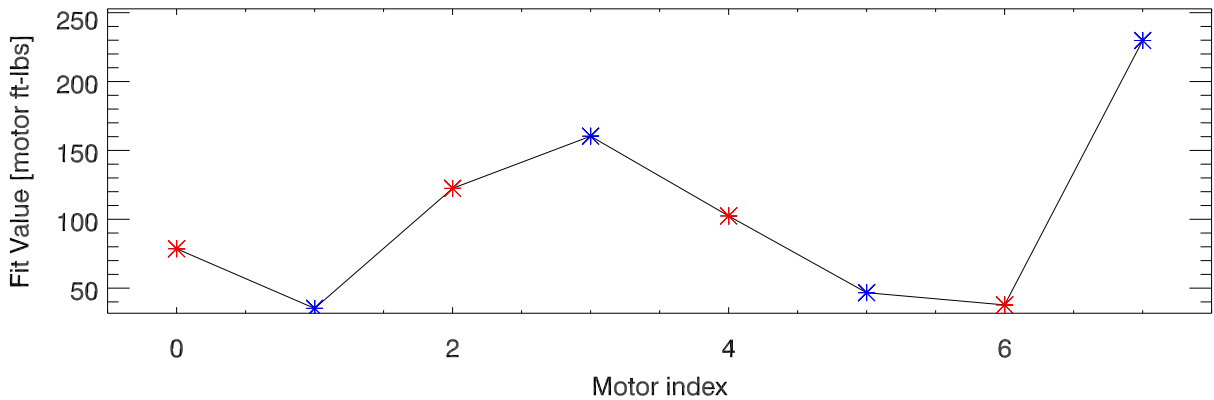
(c1\*sinza:Gravity)

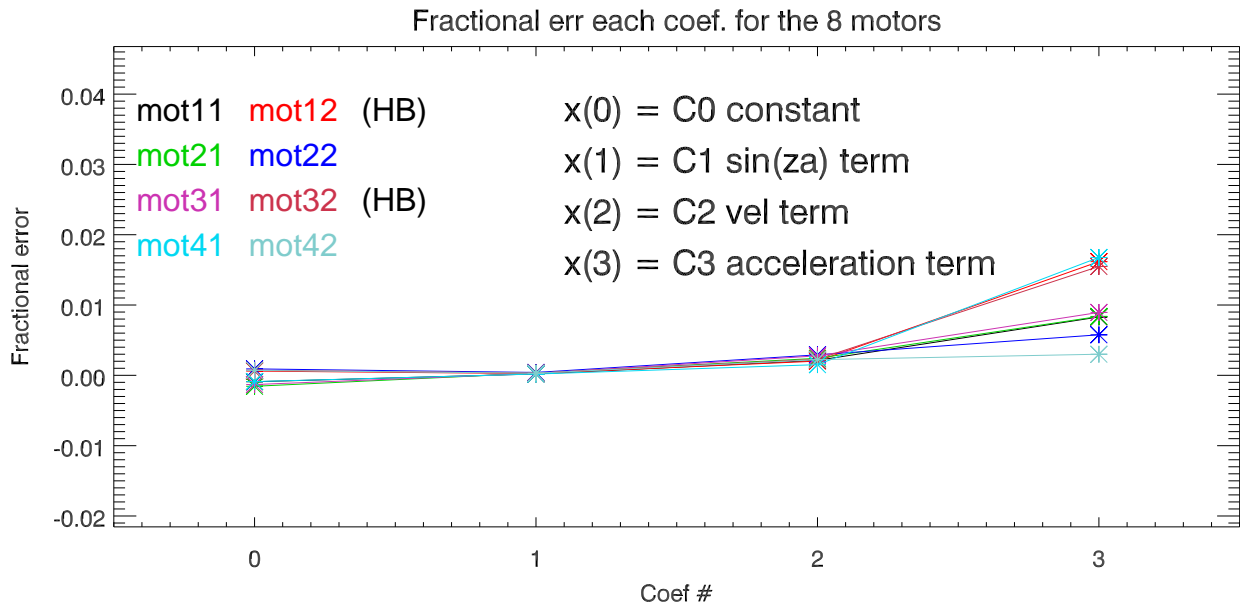
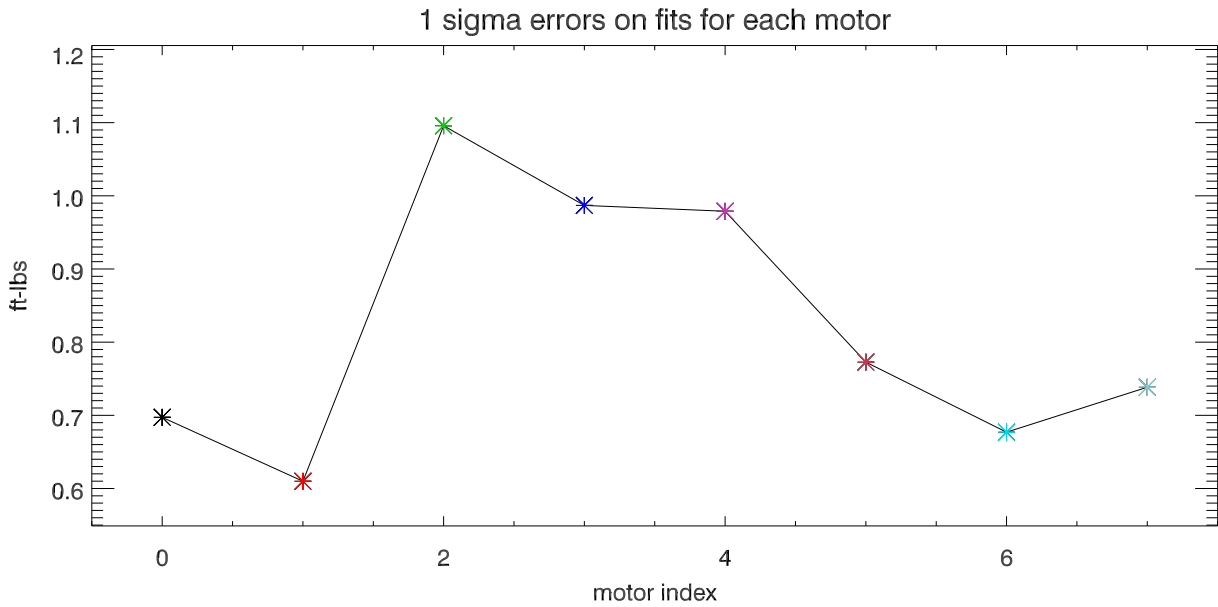


(c2\*vel (deg/sec):Friction)



(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	-3.30	80.06	1001.19	78.61
m12	4.32	54.69	925.82	35.31
m21	-3.04	78.56	1386.71	122.45
m22	4.62	53.99	1039.64	160.32
m31	-3.23	79.58	1081.46	102.40
m32	4.60	54.06	1035.67	46.70
m41	-3.30	80.78	1368.51	37.80
m42	4.53	54.10	1017.29	229.78