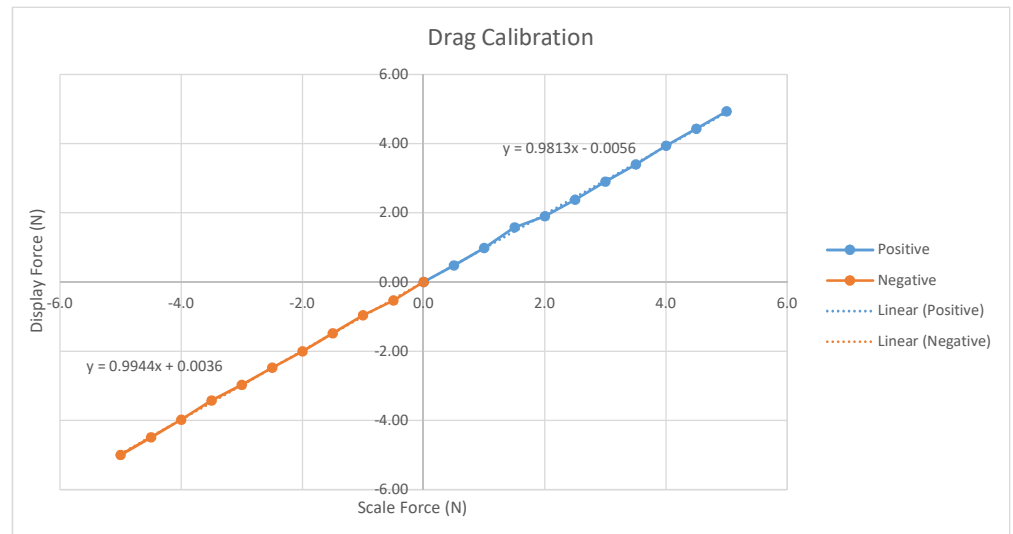


Forward Direction	
Scale Force (N)	Display Force (N)
0.0	0.00
0.5	0.48
1.0	0.98
1.5	1.58
2.0	1.90
2.5	2.38
3.0	2.90
3.5	3.40
4.0	3.94
4.5	4.43
5.0	4.93

Backwards Direction	
Scale Force (N)	Display Force (N)
0.0	0.00
-0.5	-0.53
-1.0	-0.96
-1.5	-1.49
-2.0	-2.01
-2.5	-2.48
-3.0	-2.97
-3.5	-3.42
-4.0	-3.98
-4.5	-4.49
-5.0	-5.00



No Nose Cone

Base Model			
	Run 1	Run 2	Average
Inverter Frequency (Hz)	Drag Force (N)	Drag Force (N)	Drag Force (N)
12.5	0.420	0.402	0.411
15.0	0.635	0.621	0.628
17.5	0.892	0.878	0.885
20.0	1.193	1.173	1.183
22.5	1.545	1.522	1.534
25.0	1.941	1.922	1.932
27.5	2.385	2.362	2.374
30.0	2.875	2.856	2.866

Hopper Bins			
	Run 1	Run 2	Average
Inverter Frequency (Hz)	Drag Force (N)	Drag Force (N)	Drag Force (N)
12.5	0.375	0.389	0.382
15.0	0.591	0.593	0.592
17.5	0.844	0.831	0.838
20.0	1.153	1.146	1.150
22.5	1.492	1.493	1.493
25.0	1.911	1.904	1.908
27.5	2.346	2.355	2.351
30.0	2.830	2.831	2.831

Possum Belly			
	Run 1	Run 2	Average
Inverter Frequency (Hz)	Drag Force (N)	Drag Force (N)	Drag Force (N)
12.5	0.366	0.355	0.361
15.0	0.564	0.564	0.564
17.5	0.814	0.808	0.811
20.0	1.109	1.104	1.107
22.5	1.464	1.457	1.461
25.0	1.850	1.841	1.846
27.5	2.287	2.277	2.282
30.0	2.781	2.769	2.775

Nose Cone

Base Model			
	Run 1	Run 2	Average
Inverter Frequency (Hz)	Drag Force (N)	Drag Force (N)	Drag Force (N)
12.5	0.374	0.363	0.369
15.0	0.588	0.567	0.578
17.5	0.833	0.807	0.820
20.0	1.123	1.086	1.105
22.5	1.447	1.417	1.432
25.0	1.827	1.774	1.801
27.5	2.229	2.194	2.212
30.0	2.669	2.673	2.671

Hopper Bins			
	Run 1	Run 2	Average
Inverter Frequency (Hz)	Drag Force (N)	Drag Force (N)	Drag Force (N)
12.5	0.345	0.338	0.342
15.0	0.541	0.526	0.534
17.5	0.772	0.766	0.769
20.0	1.049	1.053	1.051
22.5	1.370	1.368	1.369
25.0	1.739	1.725	1.732
27.5	2.145	2.131	2.138
30.0	2.588	2.563	2.576

Possum Belly			
	Run 1	Run 2	Average
Inverter Frequency (Hz)	Drag Force (N)	Drag Force (N)	Drag Force (N)
12.5	0.326	0.330	0.328
15.0	0.508	0.504	0.506
17.5	0.731	0.738	0.735
20.0	1.027	1.018	1.023
22.5	1.332	1.325	1.329
25.0	1.661	1.671	1.666
27.5	2.059	2.052	2.056
30.0	2.491	2.489	2.490

Bull Nose

Base Model			
	Run 1	Run 2	Average
Inverter Frequency (Hz)	Drag Force (N)	Drag Force (N)	Drag Force (N)
12.5	0.319	0.311	0.315
15.0	0.497	0.482	0.490
17.5	0.703	0.688	0.696
20.0	0.950	0.938	0.944
22.5	1.227	1.219	1.223
25.0	1.553	1.541	1.547
27.5	1.905	1.903	1.904
30.0	2.292	2.313	2.303

Hopper Bins			
	Run 1	Run 2	Average
Inverter Frequency (Hz)	Drag Force (N)	Drag Force (N)	Drag Force (N)
12.5	0.288	0.294	0.291
15.0	0.478	0.452	0.465
17.5	0.665	0.659	0.662
20.0	0.912	0.898	0.905
22.5	1.184	1.168	1.176
25.0	1.490	1.484	1.487
27.5	1.862	1.841	1.852
30.0	2.265	2.251	2.258

Possum Belly			
	Run 1	Run 2	Average
Inverter Frequency (Hz)	Drag Force (N)	Drag Force (N)	Drag Force (N)
12.5	0.278	0.272	0.275
15.0	0.433	0.425	0.429
17.5	0.633	0.628	0.631
20.0	0.865	0.856	0.861
22.5	1.129	1.112	1.121
25.0	1.419	1.415	1.417
27.5	1.771	1.757	1.764
30.0	2.168	2.148	2.158