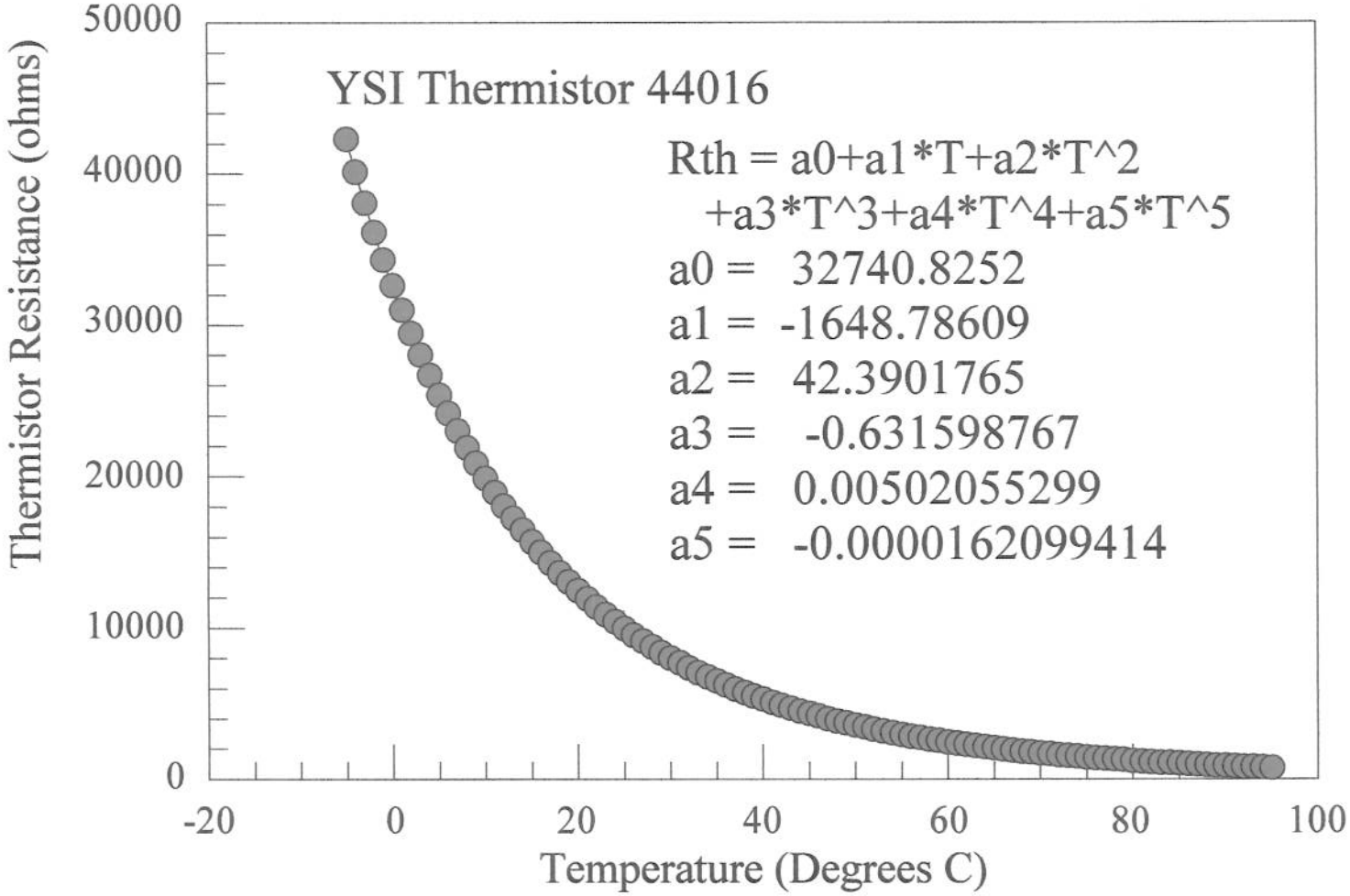
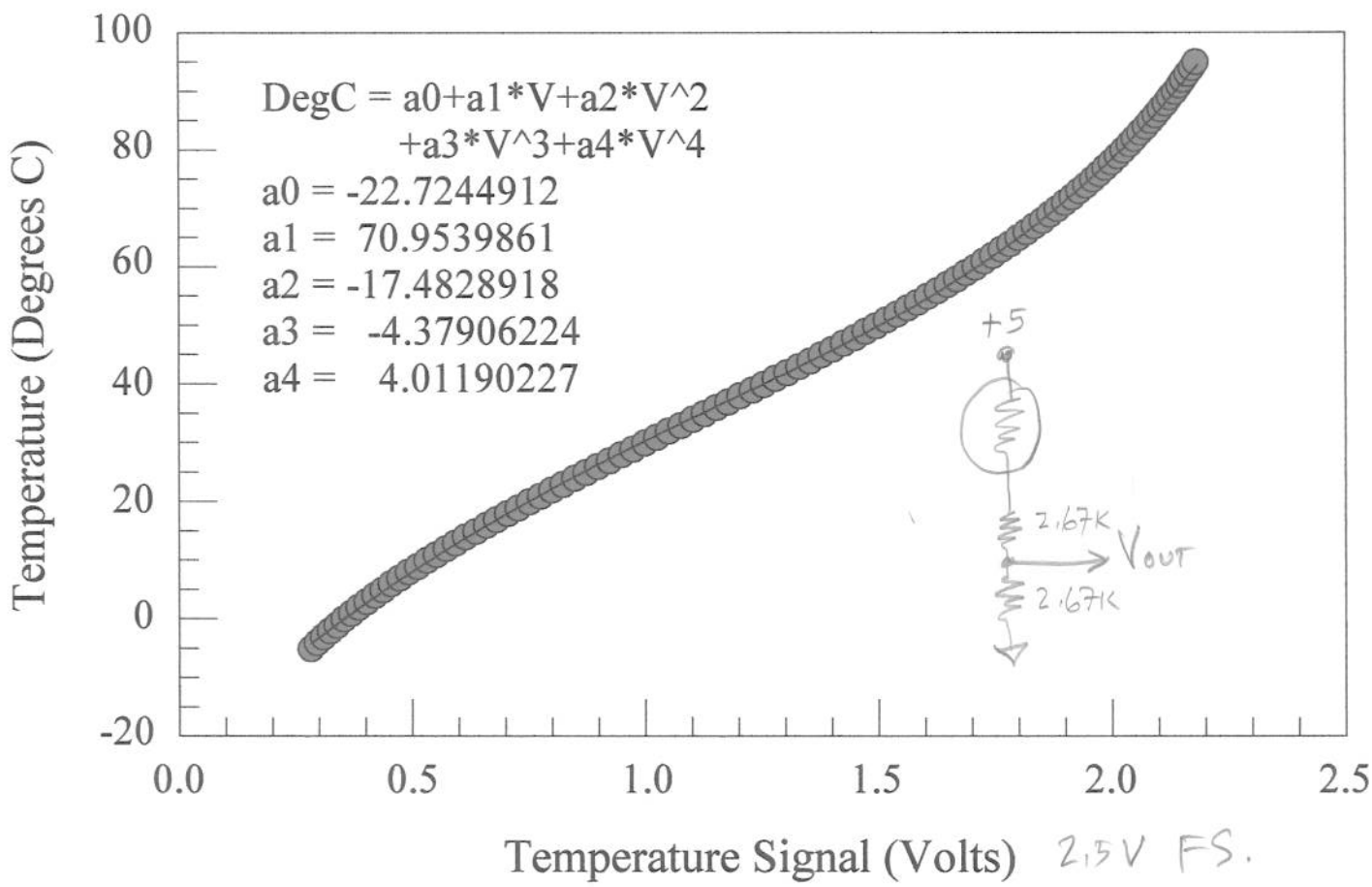

YSI Thermistor 44016
Rth = a0+a1*T+a2*T^2
+a3*T^3+a4*T^4+a5*T^5
a0 = 32740.8252
a1 = -1648.78609
a2 = 42.3901765
a3 = -0.631598767
a4 = 0.00502055299
a5 = -0.0000162099414
Thermistor Resistance (ohms)
Temperature (Degrees C)
50000
40000
30000
20000
10000
0
-20
0
20
40
60
80
100


DegC = a0+a1*V+a2*V^2
+a3*V^3+a4*V^4
a0 = -22.7244912
a1 = 70.9539861
a2 = -17.4828918
a3 = -4.37906224
a4 = 4.01190227
+5
2.67K
VOUT
2.67K
Temperature (Degrees C)
Temperature Signal (Volts)
2.5V FS.
100
80
60
40
20
0
-20
0.0
0.5
1.0
1.5
2.0
2.5