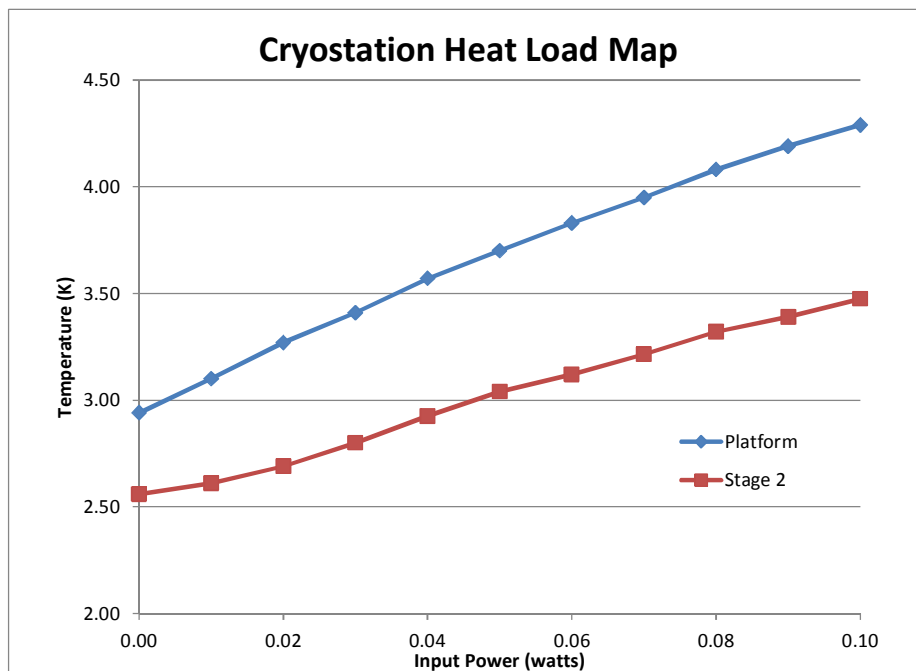


CRYOSTATION Heat Load Map

Data was collected from a typical Cryostation showing the temperature rise based on the input power to the sample stage. In this experiment, heat was added to the Platform stage by applying voltage in Manual Mode to the built in Platform stage heater. This data can be used to estimate the system response to heat loads introduced by known sources like wires, RF or optical power. Below are the results. The data plotted on the graphs is the same, with different ranges of horizontal axis.



Power input watts	Platform K	Stage 2 K
0.00	2.94	2.56
0.01	3.10	2.61
0.02	3.27	2.69
0.03	3.41	2.80
0.04	3.57	2.93
0.05	3.70	3.04
0.06	3.83	3.12
0.07	3.95	3.22
0.08	4.08	3.32
0.09	4.19	3.39
0.10	4.29	3.48
0.15	4.80	3.86
0.20	5.24	4.24
0.25	5.64	4.54
0.30	6.00	4.83
0.35	6.33	5.11
0.40	6.64	5.36
0.45	6.93	5.59
0.50	7.20	5.80
0.60	7.73	6.19
0.70	8.22	6.57
0.80	8.68	6.89
0.90	9.09	7.18
1	9.5	7.47

