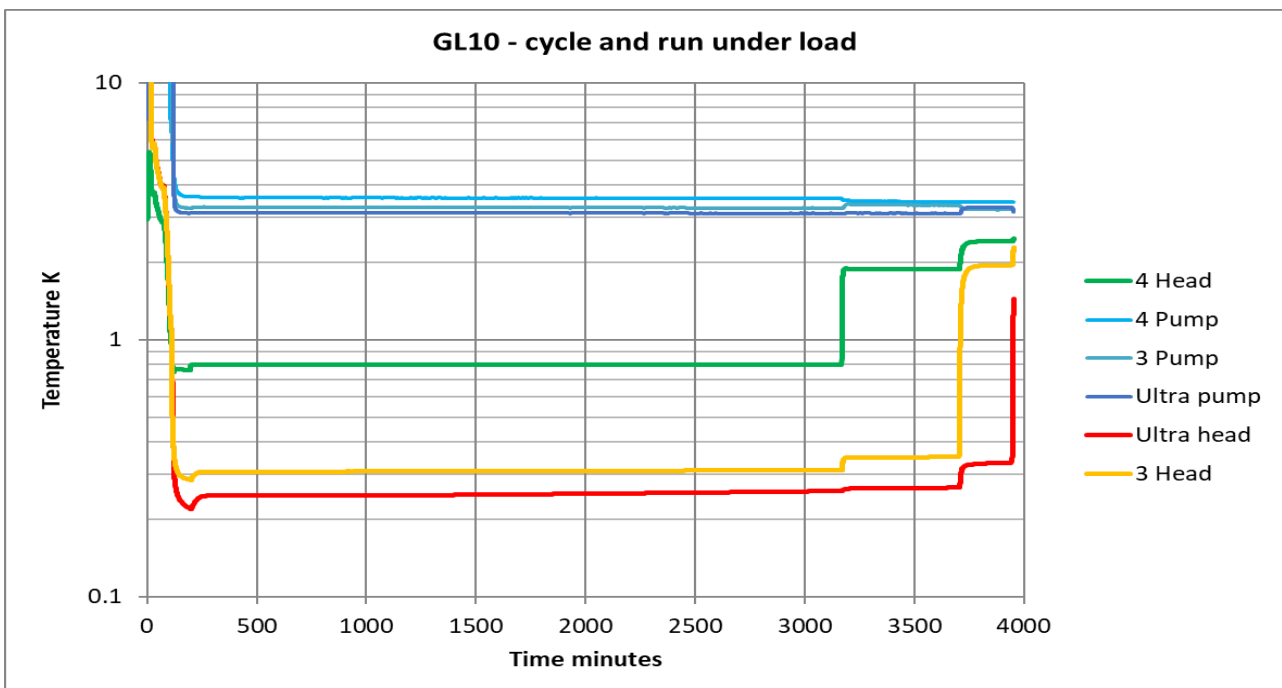




PERFORMANCE NOTES FOR THE GL10 SORPTION COOLER

The GL10 three-stage single-shot sorption cooler with two 3He modules. It operates at a lower running temperature than a two-stage GL7 because the heat loads on the 'ultra-head' are buffered by the other two modules. Here are some typical data for a GL10 cooler running with 100 μ W load on the 4-head, 10 μ W load on the intermediate 3-head and 3 μ W load on the ultra 3-head. In this configuration the GL10 is designed to run for around 48 hours at a temperature below 250mK. It will recycle in around 2 hours.



Below, a typical load response for the GL10 U-head, the head temperature is stable with respect to the heat load buffered on the intermediate 3-head.

