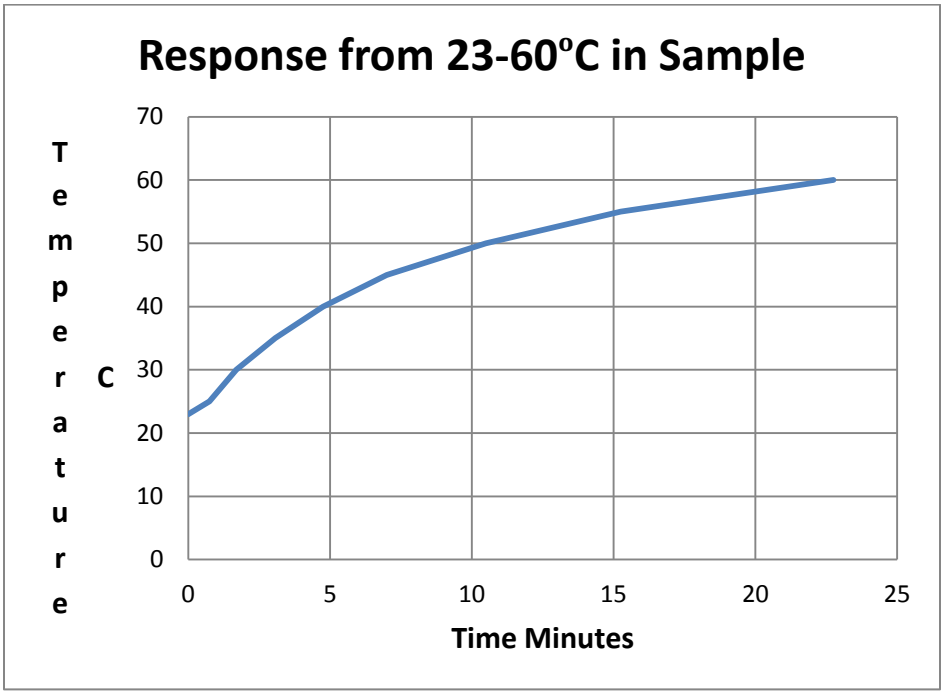
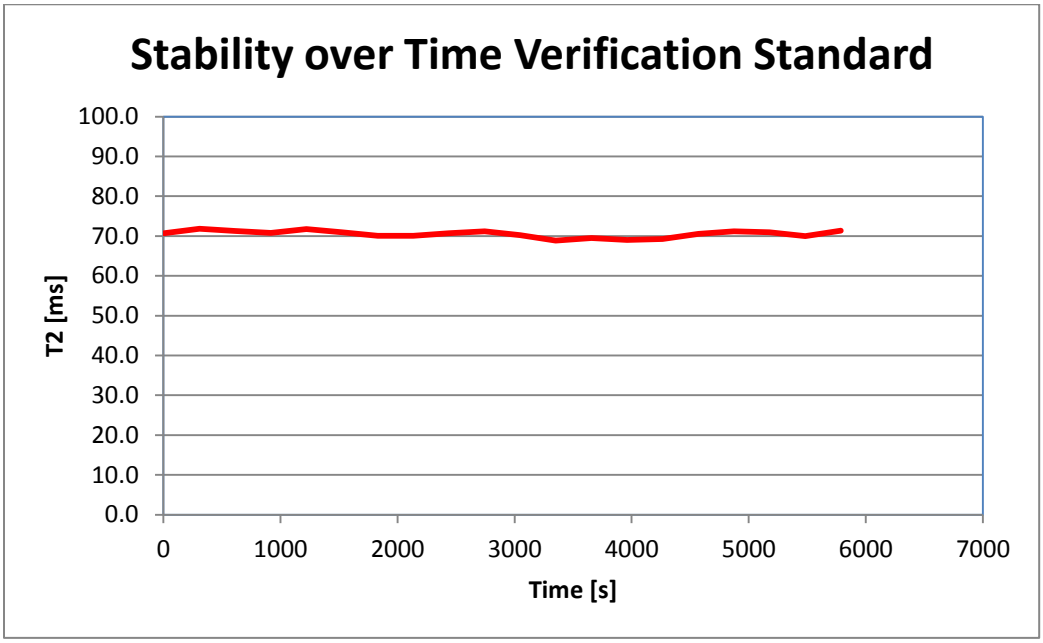
High Temperature Testing



The High Temperature Cassette enables the user to make measurements at elevated temperatures from 30 to 75°C. The figure above shows the transient sample temperature response at startup to a setpoint of 60°C. It takes approximately 22 minutes to reach the setpoint, for a mean heating rate of 1.7 °C/minute.

Sample temperature uniformity from the bottom to the top of the tube are +-1°C for an NMR tube filled to a height of 54mm. Temperature stability with time at any given point in the sample is 0.2°C.

This option can be retrofitted to existing Acorn Area devices.



Application Note 126