EXAMPLE TEST P2S12T9 ON NICKEL−TITANIUM WIRE

This test has 15 speed segments: 8 moving segments at speed 5 mm/min, and 7 stop segments at speed zero. It is easy to see where the stop segments occur in this test. They appear as vertical lines on the graph, since the load changes significantly when the crosshead is stopped. (This load change is a property of pseudo−elastic behavior) This test was run as follows:

moved crosshead out to 10.5 mm
90 second stop
moved crosshead back to 4.5 mm
90 second stop
moved crosshead out to 6.5 mm
90 second stop
moved crosshead back to 3.5 mm
90 second stop
moved crosshead out to 7.5 mm
90 second stop
moved crosshead back to 2.5 mm
90 second stop
moved crosshead out to 8.5 mm
90 second stop
moved crosshead back to 0.