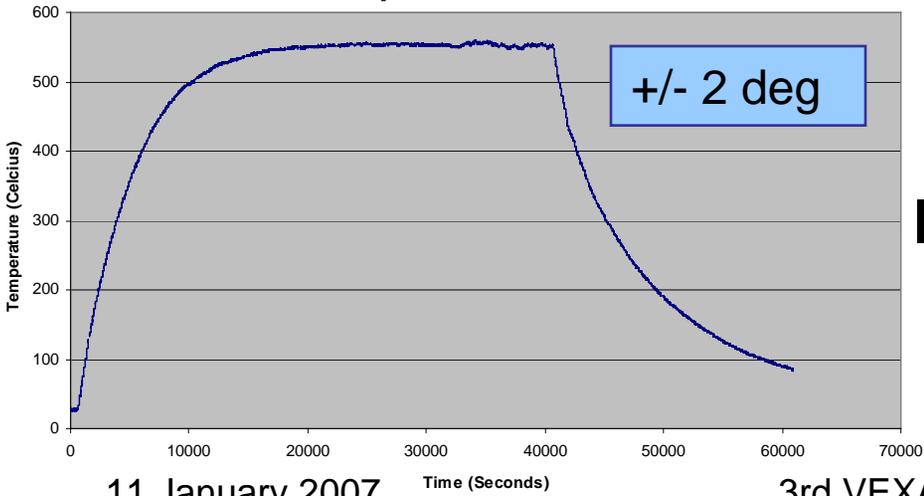




**Autoclave Engineering Test Chamber**

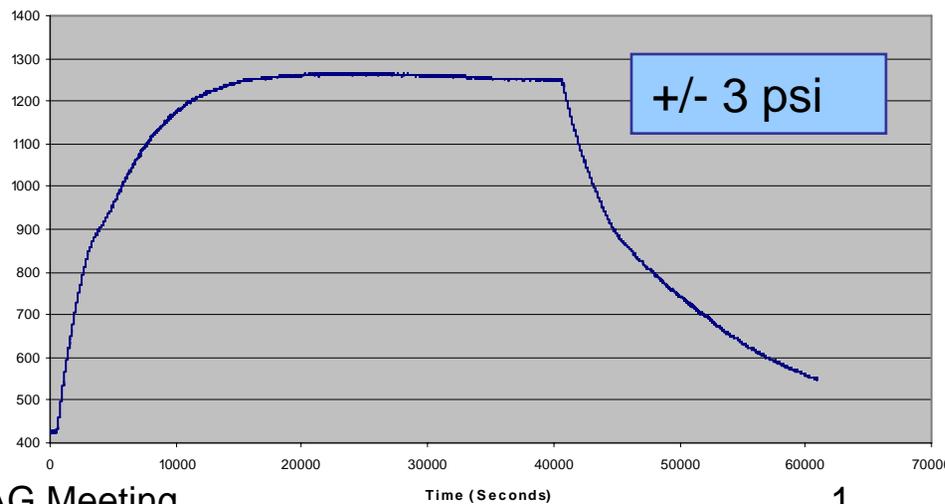
- Rated for 3300psia at 500°C (can go much higher)
- Operates at 1378psia at 500°C (max requested for Venus Testing)
- Tested near Pressure Relief Limit of 1500psi at 553°C (Pure CO2)
- Work remaining includes enhanced GUI, calibration, possible makeup gas system, gas mix
- Open for all testing after Softronics Ltd radio testing is completed for SBIR
- Designing next generation chamber at least 1 meter diameter
- Contact for Venus testing is Bill Byrd (wbyrd@iastate.edu) 515-294-3106
- Estimated cost for a 24 hr test is \$8,000 and estimated cost for a 7 day test is \$15,000

**Temperature Vs Time**



11 January 2007

**Pressure vs. Time**



3rd VEXAG Meeting



**Chamber BEFORE  
refurbishment**



**5 inch diameter  
12 inch depth**

**After refurb.  
during testing**

