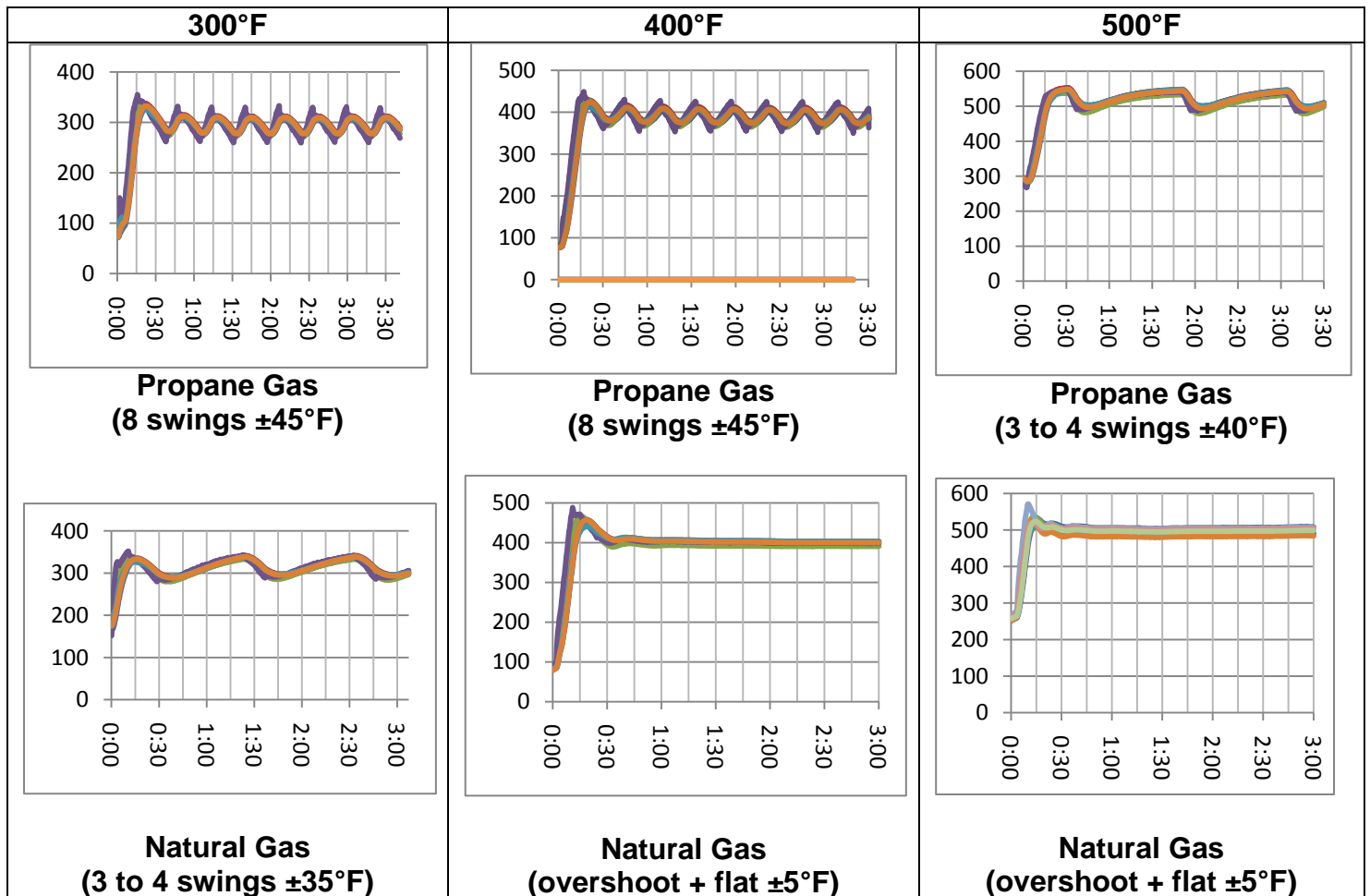


# SIT Oven Valve Swing Analysis

## SIT Valve Function:

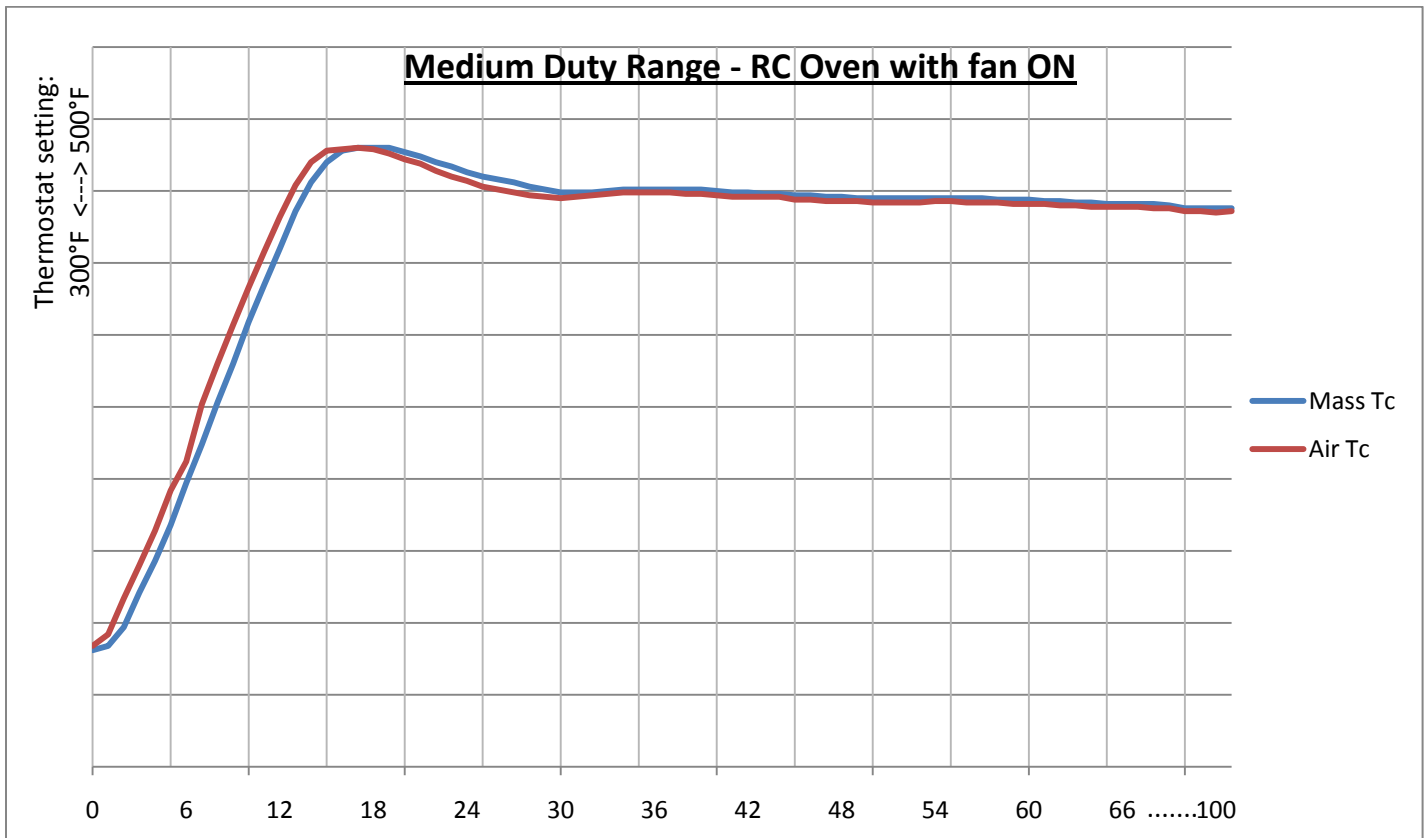
**Examples** of typical curve patterns at different temperature settings in **Standard Ovens** (Garland, US Range and Sunfire), measured over **3 hours**:



**NOTE:** The temperature stabilization at 400°F thermostat setting will happen after 45 minutes.

The ± values from above represent rounding to higher value, and include the worst case scenario, Sunfire on propane gas, which has 20% higher amplitudes than Garland and US Range.

**Example** of typical curve pattern at different temperature settings in **Convection RC Ovens**:



**NOTE:** In a RC oven with fan ON, all the temperature curve patterns obtained between 300°F and 500°F thermostat setting, can be described as overshoot and flat  $\pm 5^\circ\text{F}$ . For references, the RC oven **if used without the fan**, will develop similar temperature curve patterns as the standard oven (see first page). However, the **“FAN” should never be turned “OFF” when the oven is “HOT”**.

The thermostat calibration must be performed with fan ON. The temperature stabilization at 400°F thermostat setting will happen after 75 minutes.