Thermal Vac Test Cycle

Bake out +50C - 2 hours
Hot Bal-High Power
Hot Bal-Nominal Power
Hot Bal-Low Power
Mid Bal-High Power
Mid Bal-Nominal Power
Mid Bal-Low Power
Cold Bal-High Power
Cold Bal-Nominal Power
Cold Bal-Low Power
Survival-No Power
-30C – 2 hours

First Cycle
See page 3 for temperature and power values

Go To Hot
Next 5 TVAC Cycles

![Diagram]

Hot Plateau +29C in Tower

These 5 cycles with high power, 10 watts, dissipation

Cold Plateau -15C cold plate

Re-pressurize

After 5 Cycles
Temperature and Power levels

- **Hot cases**
  - Hot Bal-High Power = 20°C cold plate and 10.0W dissipation in tower
  - Hot Bal-Nominal Power = 20°C cold plate and 9.4W dissipation in tower
  - Hot Bal-Low Power = 20°C cold plate and 8.7W dissipation in tower
- **Mid cases**
  - Hot Bal-High Power = 0°C cold plate and 10.0W dissipation in tower
  - Hot Bal-Nominal Power = 0°C cold plate and 9.4W dissipation in tower
  - Hot Bal-Low Power = 0°C cold plate and 8.7W dissipation in tower
- **Cold Cases**
  - Hot Bal-High Power = -15°C cold plate and 10.0W dissipation in tower
  - Hot Bal-Nominal Power = -15°C cold plate and 9.4W dissipation in tower
  - Hot Bal-Low Power = -15°C cold plate and 8.7W dissipation in tower