

# Performance Test

## Model 5842 3-Fan Overhead Ionizing Blower

Product	Model 5842 3-Fan Overhead Ionizer
Performance Test	Per ANSI/ESD STM 3.1
Test Conditions	
Test Equipment	Simco-Ion, Technology Group Charge Plate Monitor Model 280A (S/N 2666796)
Test Environment	73.4°F (23°C), 42% RH
Test Unit Fan Speeds	Low, Med-Low, Med-High, High
Distance from Test Unit to CPM	18"

The Simco-Ion, Technology Group Model 5842 3-Fan Overhead Ionizing Blower was tested at all four fan speed settings using the appropriate section of ANSI/ESD STM3.1.

Figures 1-4 show the measured Discharge Times, and Figures 5-8 show the measured Offset Voltage Data below.

Longer discharge times seen in TP10-12, especially on lower fan speeds are due to environmental airflow.

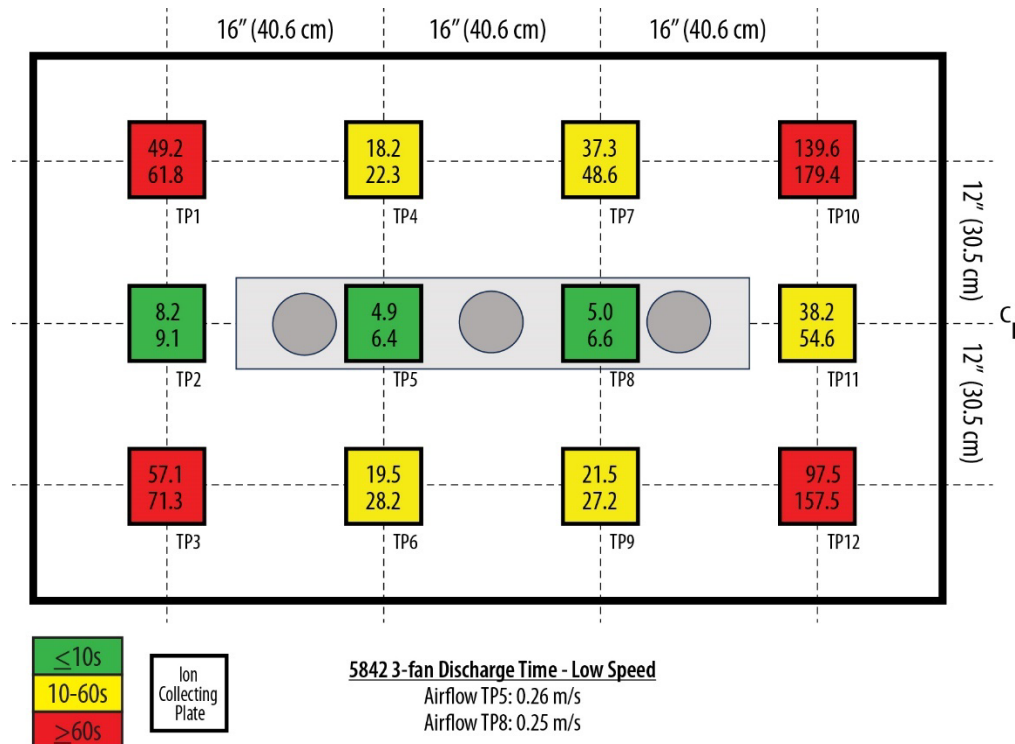


Figure 1. Discharge Time Data (±1000V to ±100V) – Low Speed

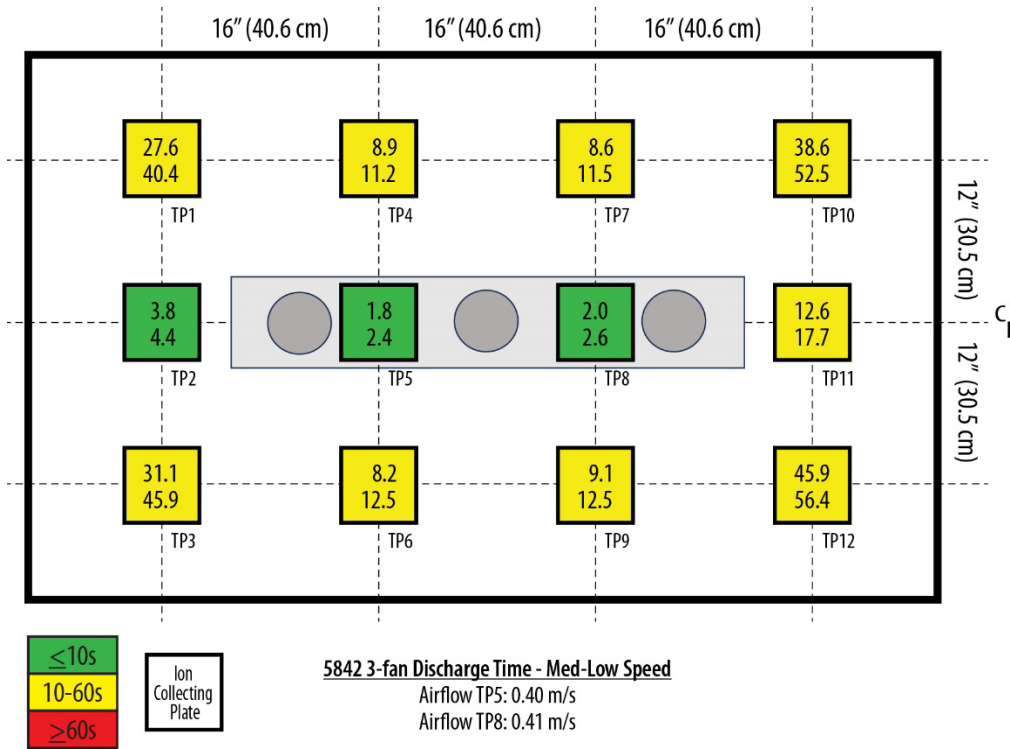


Figure 2. Discharge Time Data (±1000V to ±100V) – Medium-Low Speed

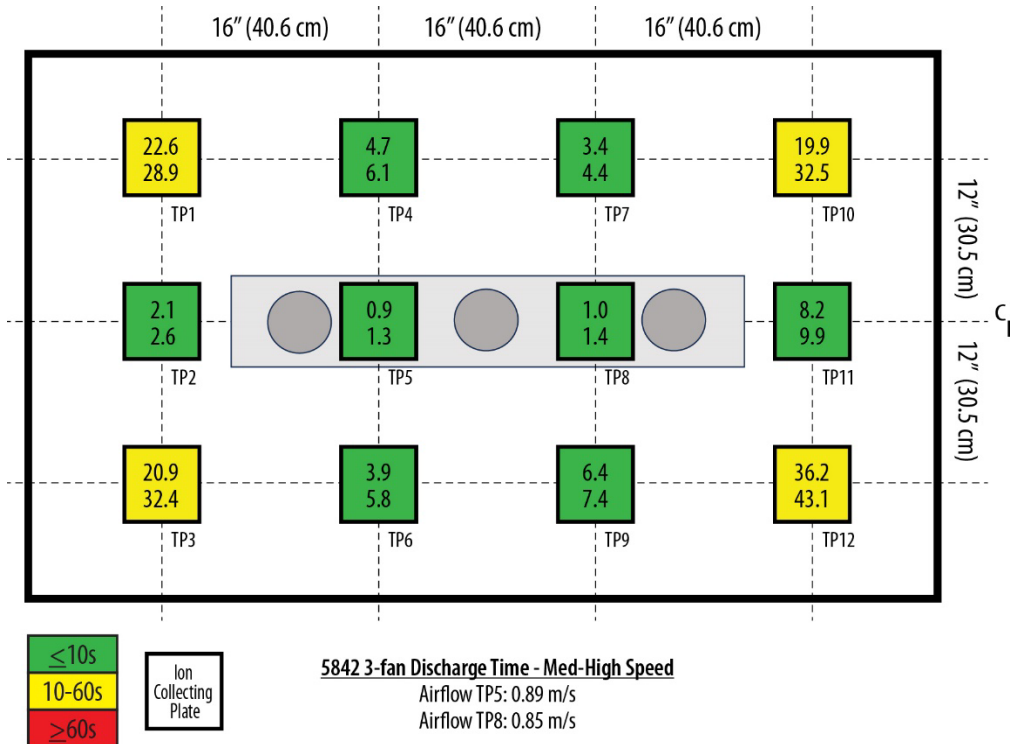


Figure 3. Discharge Time Data (±1000V to ±100V) – Medium-High Speed

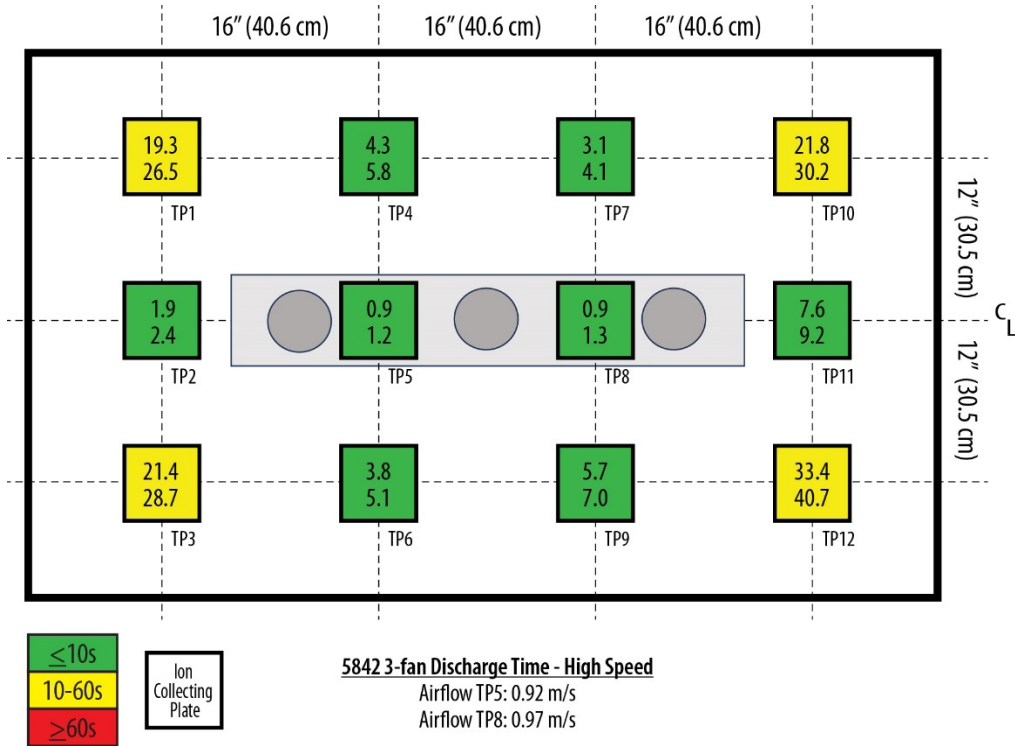


Figure 4. Discharge Time Data (±1000V to ±100V) – High Speed

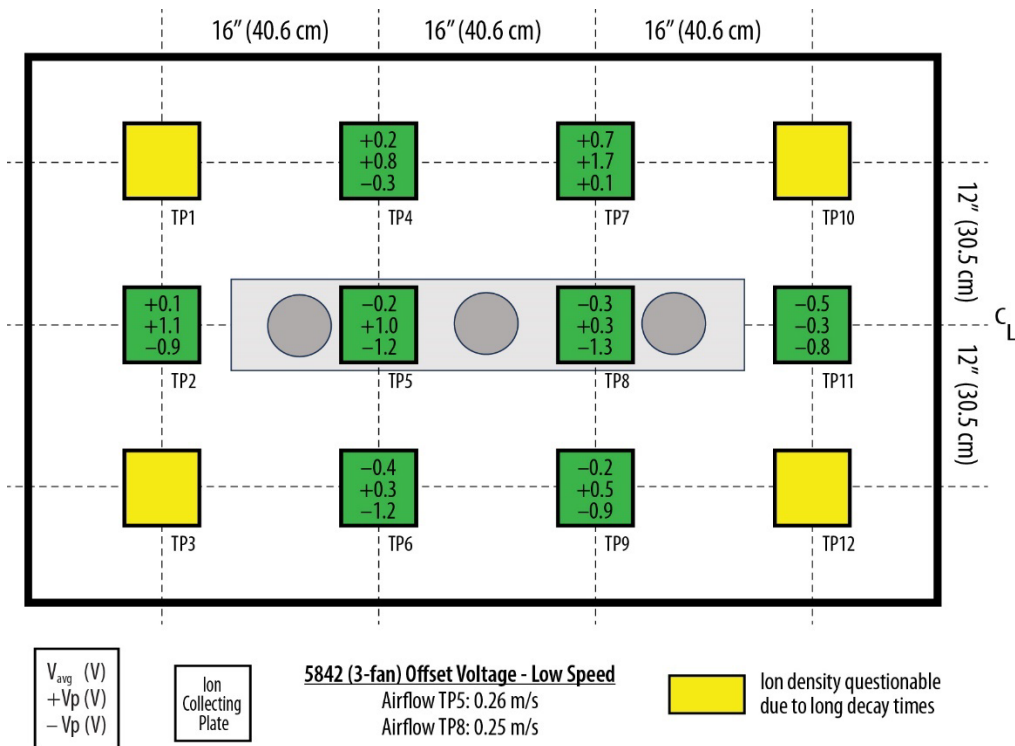


Figure 5. Offset Voltage Data – Low Speed

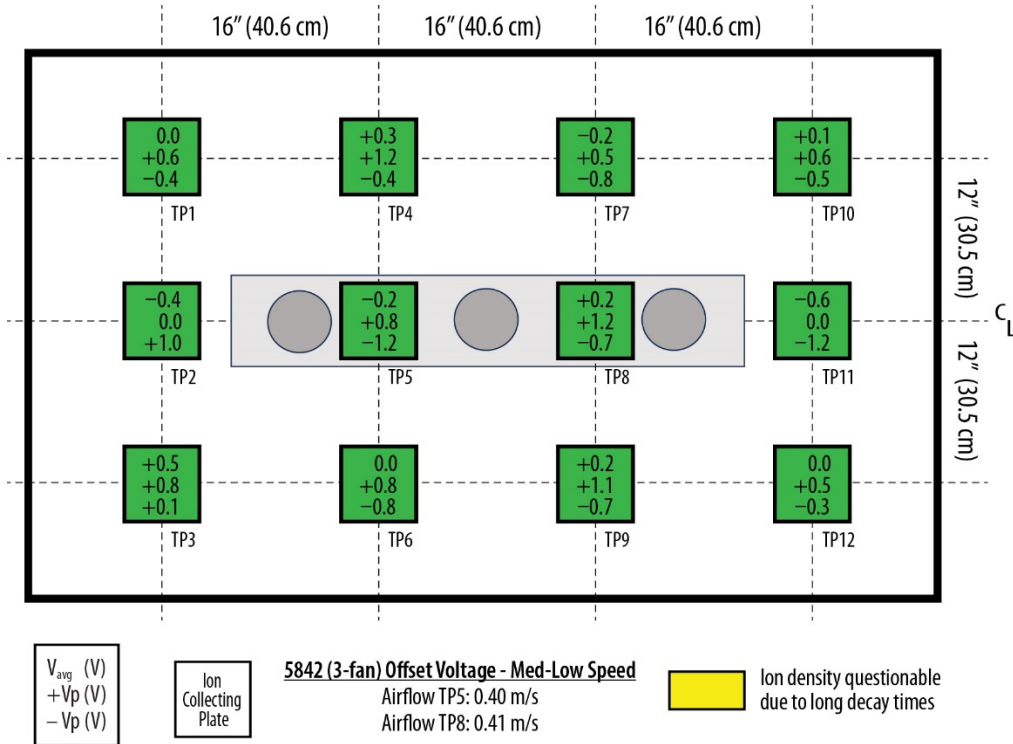


Figure 6. Offset Voltage Data – Medium-Low Speed

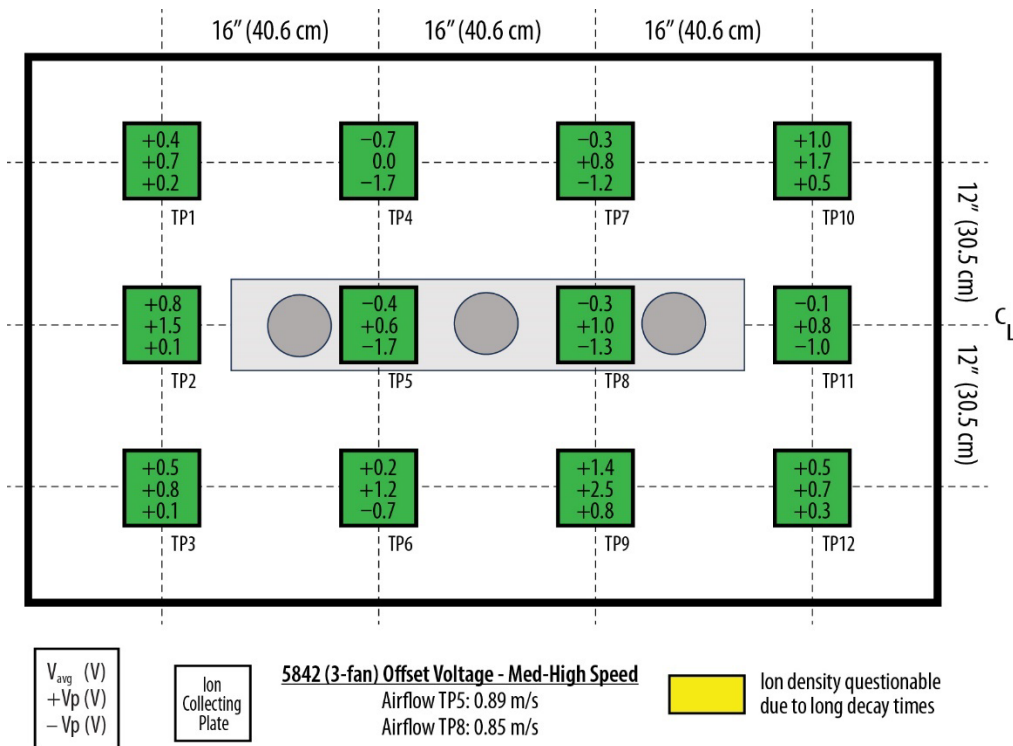


Figure 7. Offset Voltage Data – Medium-High Speed

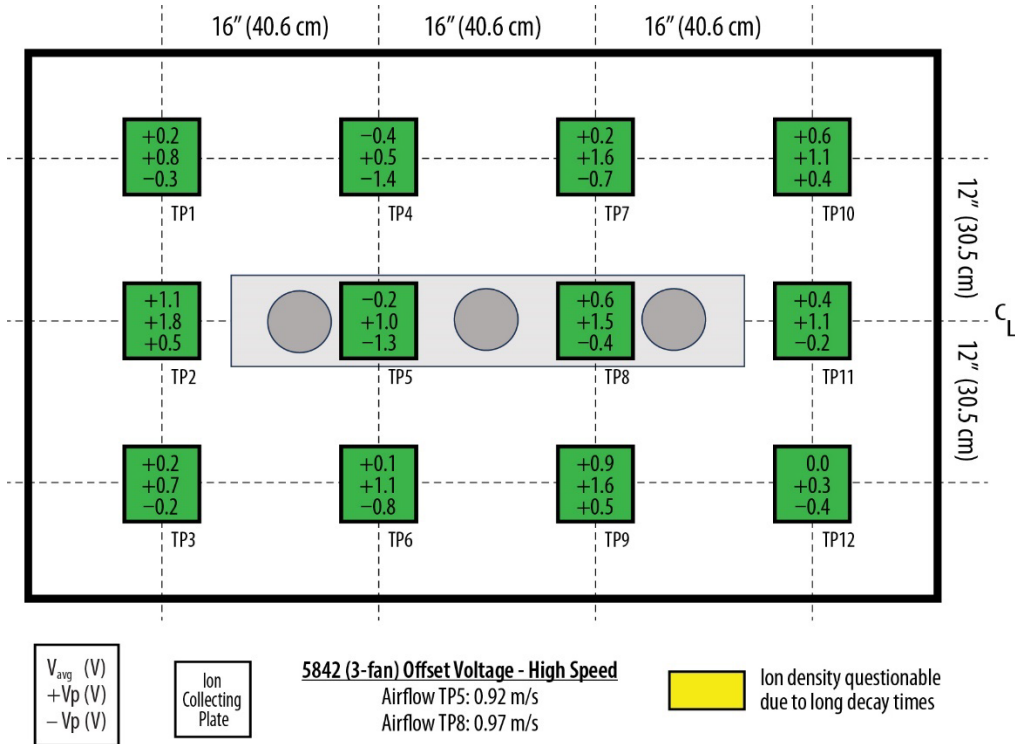
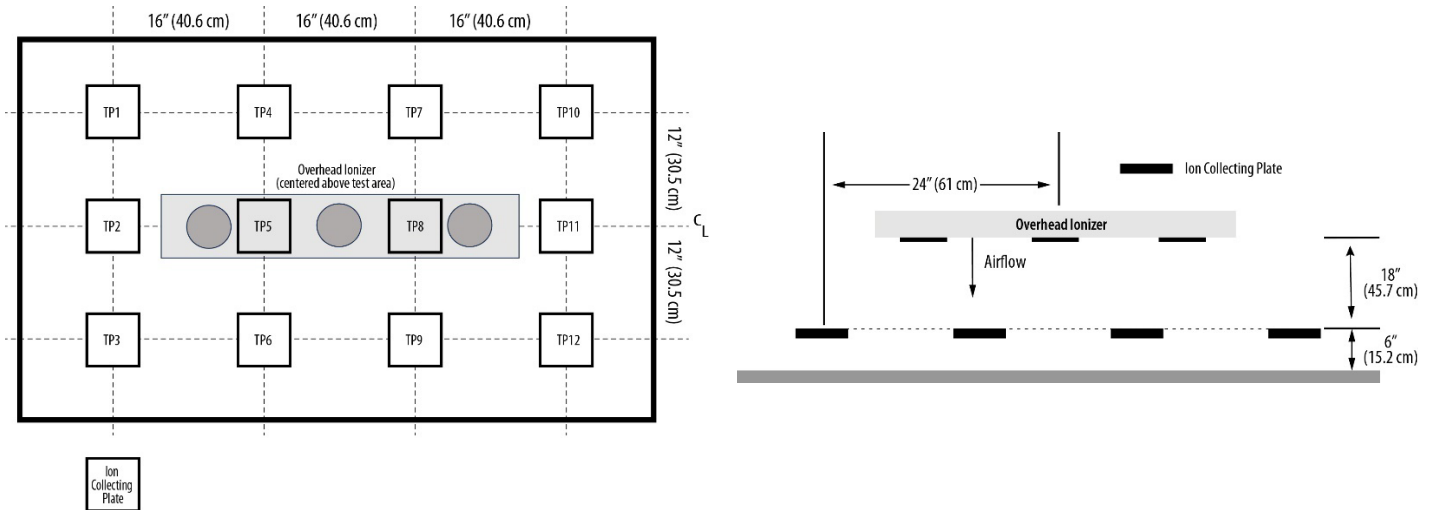


Figure 8. Offset Voltage Data – High Speed

### Test Diagram Schematics



If you have any questions or need assistance, please contact Customer Service.