# Air Ionizer Verification Record

Ionizer Verification Sequence Number: 08-038

| WORKING STANDARD USED | | | | | | |
|---|---|---|---|---|---|---|
| Asset/ISO #: | Manufacturer: | Model: | Serial No. | Calibration Date: | Calibration Due: | Calibration By: |
| 25171 | ION | 775 | 6779 | 8/8/07 | 8/8/08 | JPL |

| AIR IONIZER INFORMATION | | | | | | |
|---|---|---|---|---|---|---|
| Asset/ISO #: | Manufacturer: | Model: | Serial No. | Verification Date: | Verification Due: | Verification By: |
| 27370 | SIMCO | Aerostat PC | 33672425 | 4-10-08 | 6-10-08 | JPL 36 |
| Inspector: | Location: | Owner: | Fail: Y/N ? | Cleaned: Y/N ? | Adjusted: Y/N ? | Prior Sequence# |
| Minh Do | 303/311 Flow Bench | Jose Fernandez | N | N | N | NA |

## VERIFICATION DATA

HBM Sensitivity Level: 50 V (from Table 1)

Fan controller setting: High (High, Low, NA)

Distance of ionizer from the charge plate: 24"

Ionizer Float Potential Tolerance ± 50 Vdc. (from Table 1)

Measured Float Potential values recorded below.

| 1 | 2 | 3 | 4 | 5 | Comments: |
|---|---|---|---|---|---|
| 0 Vdc. | 0 Vdc. | 0 Vdc. | 0 Vdc. | 0 Vdc. | |

Ionizer Discharge Voltage Range: ± 1000 Vdc to < ± 50 Vdc (from Table 1)

Ionizer Discharge Time Tolerance: <20 seconds. (from Table 1)

Measured Discharge Time in second(s) and recorded values below.

| 1 (+1000 to +Vdc) | 2 (+1000 to +Vdc) | 3 (+1000 to +Vdc) | 4 (+1000 to +Vdc) | 5 (+1000 to +Vdc) | Comments: |
|---|---|---|---|---|---|
| 3.4 sec | 2.8 sec | 2.9 sec | 2.9 sec | 2.8 sec | |
| **1 (-1000 to -Vdc)** | **2 (-1000 to -Vdc)** | **3 (-1000 to -Vdc)** | **4 (-1000 to -Vdc)** | **5 (-1000 to -Vdc)** | **Comments:** |
| 3.7 sec | 3.8 sec | 3.6 sec | 3.8 sec | 3.6 sec | |

**Record** any corrective action required to restored ionizer operation (cleaning, adjustment, replacement, etc.)

If Ionizer was replaced, indicate below the identification of replacement.

Asset/ISO #: _____ Manufacturer: _____ Model: _____ Serial No.: _____

Sequence number for verification of replacement Ionizer: _____

**Record** inspection schedule and rational for that schedule.