**Aerosol Data Recording Calitoo S/N \_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_**

**Sky Color DEEP BLUE BLUE LIGHT BLUE PALE BLUE MILKY**

**Sky Clarity UNUSUALLY CLEAR CLEAR SOMEHWAT HAZY VERY HAZY EXTREMELY HAZY**

**Contrails Short Lived \_\_\_\_\_\_\_ Persistent \_\_\_\_\_\_\_ Persistent Spreading \_\_\_\_\_\_\_ % Cover \_\_\_\_\_\_\_**

**Cloud Type (Use Cloud Chart)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Visual Opacity \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Is sky clear, cloudy or obscured? (percentage of clouds in sky) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ %**

**Barometric Pressure (mb) \_\_\_\_\_\_\_\_\_**

**Temperature (°C) \_\_\_\_\_\_\_\_\_\_\_\_**

**Aerosol Measurements**

**Trial 1** **Local Time (hh:mm:ss) \_\_\_\_\_\_\_:\_\_\_\_\_\_\_:\_\_\_\_\_\_\_ Surface Conditions**

 **(Circle those that apply)**

 **UTC Time (hh:mm:ss) \_\_\_\_\_\_\_:\_\_\_\_\_\_\_:\_\_\_\_\_\_\_**

 **Snow/Ice**

|  |  |  |  |
| --- | --- | --- | --- |
| **Channel****Wavelength** | **465 nm****(blue)** | **AOT****Reading** |  |
| **Channel****Wavelength** | **540 nm (green)** | **AOT****Reading** |  |
| **Channel****Wavelength** | **619 nm (red)** | **AOT****Reading** |  |

 **Standing Water**

 **Muddy**

 **Dry Ground**

**Trial 2 Local Time (hh:mm:ss) \_\_\_\_\_\_\_:\_\_\_\_\_\_\_:\_\_\_\_\_\_\_ Leaves on Trees**

 **UTC Time (hh:mm:ss) \_\_\_\_\_\_\_:\_\_\_\_\_\_\_:\_\_\_\_\_\_\_ Raining/Snowing**

|  |  |  |  |
| --- | --- | --- | --- |
| **Channel****Wavelength** | **465 nm****(blue)** | **AOT****Reading** |  |
| **Channel****Wavelength** | **540 nm****(green)** | **AOT****Reading** |  |
| **Channel****Wavelength**  | **619 nm****(red)** | **AOT****Reading** |  |

**Trial 3 Local Time (hh:mm:ss) \_\_\_\_\_\_\_:\_\_\_\_\_\_\_:\_\_\_\_\_\_\_**

 **UTC Time (hh:mm:ss) \_\_\_\_\_\_\_:\_\_\_\_\_\_\_:\_\_\_\_\_\_\_**

|  |  |  |  |
| --- | --- | --- | --- |
| **Channel****Wavelength** | **465 nm****(blue)** | **AOT****Reading** |  |
| **Channel****Wavelength** | **540 nm****(green)** | **AOT****Reading** |  |
| **Channel****Wavelength** | **619 nm (red)** | **AOT****Reading** |  |