

Atmosphere Investigation

Aerosols Data Sheet

* Required Field

School Name: _____ Study Site: _____

Observer names: _____

Date: Year _____ Month _____ Day _____ Universal Time (hour:min): _____

***Sun Photometer Instrument Type (Check One):**

Measures Voltage Only or Displays AOT (Model) _____

Serial Number: _____ Serial Number: _____

***If known, Satellite overflights on date of measurements:**

Satellite/instrument name: _____ Time of overflight (UT): _____ Max elevation angle (deg): _____

If Your Photometer Only Measures Voltages:

Case Temperatures

Before taking measurements (multiply voltage reading by 100) (°C) _____

After taking measurements (multiply voltage by 100) (°C) _____

¹ At least 3 sets of measurements are required.

² Always report voltages with 3 digits to the right of the decimal point (e.g., 1.733 rather than 1.77).

Measurement Number ¹	Universal Time (hour:minute:second)	Maximum Voltage in Sunlight ² (volts)	Dark Voltage ² (volts)
1 (green)			
1 (red)			
2 (green)			
2 (red)			
3 (green)			
3 (red)			
4 (green)			
4 (red)			
5 (green)			
5 (red)			

* Required Field

Study Site: _____ Date: _____ Time (UT): _____

If Your Photometer Displays AOT:

¹ At least 3 sets of multiple wavelengths are required.

² At least two different channel wavelengths must have been used among the 3 to 5 measurements.

Trial 1 ¹	*UT (hour:minute:second) : _____	Channel Wavelength ² (nanometers)	AOT reading
	1		
	2		
	3		

Trial 2 ¹	*UT (hour:minute:second) : _____	Channel Wavelength ² (nanometers)	AOT reading
	1		
	2		
	3		

Trial 3 ¹	*UT (hour:minute:second) : _____	Channel Wavelength ² (nanometers)	AOT reading
	1		
	2		
	3		

Trial 4 ¹	*UT (hour:minute:second) : _____	Channel Wavelength ² (nanometers)	AOT reading
	1		
	2		
	3		

Trial 5 ¹	*UT (hour:minute:second) : _____	Channel Wavelength ² (nanometers)	AOT reading
	1		
	2		
	3		

Comments: _____
