Atmosphere Investigation Water Vapor Data Sheet

* Required Field

School Name:			Study Site:			
Observer names: _						
Date: YearI	Month	Day	_ Universal Time (hour:m	rsal Time (hour:min):		
*Sun Photometer	Instrumen	t Type (Check	One):			
☐ Measures Voltag	ge Only (Se	erial Number): _				
*If known, Satellite	e overfligh	its on date of r	neasurements:			
Satellite/instrument	name:	Time of ov	rerflight (UT): Max e	levation angle (deg):		
Case Temperature	es					
Before taking meas After taking measu			e reading by 100) (°C) by 100) (°C)	_		
¹ At least 3 sets of r ² Always report volta	measureme ages with 3	ents (including I digits to the rig	R1 and IR2) are required.	, ,, 1.733 rather than 1.77).		
Measurement Number ¹		ersal Time nute:second)	Maximum Voltage in Sunlight ² (volts)	Dark Voltage ² (volts)		
1 (IR1)			,			
1 (IR2)						
2 (IR1)						
2 (IR2)						
3 (IR1)						
3 (IR2)						
4 (IR1)						
4 (IR2)						
5 (IR1)						
5 (IR2)						
Comments:						
*Sky Conditions (next page):				

Atmosphere Investigation: Water			Time c. (1.17)	* Required	Field
Study Site: 1. What is in Your Sky Total Cloud/Contra Sky is Obscu None (Go to box 2) Few(<10%) Isolated (10-25%)	il Cover: red Scattered (25-50%) Broken (50-90%)	O Hea	vy Rain vy Snow ving Snow	SandSpraySmokeDust	O Haze O Volcanic Ash Go to box 6
2. Sky Color and Visibility (Look Across): Cannot O	ility bserve ODeep Blue	OBlue O	Light Blue	OPale Bl	lue OMilky azy OExtremely Hazy
3. High Level Clouds O No High Level Clouds Oby (Go to box 4) Cloud Type: O Contrails (number of) O Cirrus O Cirrocumulus O Cirrostratus	oserved # i: # #	persistent persistent	Isolated Scattered	(<10%) (10%-25%) (25%-50%) (50%-90%)	Visual Opacity: Opaque Translucent Transparent
4. Mid Level CloudsNo Mid Level Clouds ObCloud Type:AltostratusAl	served (Go to box 5) tocumulus	Cloud Cove Few Isolated Scattered Broken Overcast	(<10%) (10%-25%) (25%-50%) (50%-90%)	%) %)	Visual Opacity: Opaque Translucent Transparent
O Nimbostratus O C	oserved (Go to box 6) tratus umulus tratocumulus	Cloud Cove Few Isolated Scattered Broken Overcast	(<10%) (10%-25%) (25%-50%) (50%-90%)	%)	Visual Opacity: Opaque Translucent Transparent
6. Surface Conditions Mana Yes No Snow/Ice O O Standing Water O O	datory: Yes Dry Ground Leaves on Trees	No Ter	Optio u may subi mperature: _ rometric Pres	mit any or all °C	

Raining/Snowing

Muddy

Relative Humidity: ____%

Atmosphere Investigation: Water Vapor Data She	* Required Fiel	
Study Site:	Date: _	Time (UT):
Comments:		
Air Temperature		
Current Temperature (°C):		
Comments:		
Relative Humidity		
(Select instrument used):		
☐ Sling Psychrometer		☐ Digital Hygrometer
Dry bulb temperature (°C):		Ambient air temperature (°C):
Wet bulb temperature (°C):		Relative Humidity (%):
Comments:		
*Barometric Pressure		
(Check one):	☐ St	ation Pressure
Pressure (mb):		
Comments:		