Meteorology - Water and Humidity Lab

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Lab Writeup

3-4 Sentences Explaining Lab (Procedure + Instruments).

Insert\_Three\_Tables

**Part 1 – Humidity and Dew Point Analysis:**

How do the relative humidity values from part (a) compare to the relative humidity values from part (b)? How to the dew point temperatures compare? Which technique, the sling psychrometer or the dew point cups, do you think is more accurate for obtaining information about the humidity of the atmosphere? Why?

**Part 2 – Albedo Analysis:**

Which container of air, the aluminum or the black, increased in temperature the most in 8 minutes? Now relate this to the earth: Which area of the earth would you expect to absorb more (and thus reflect less) of the sunlight that makes it to the surface, the Amazon rainforest, or the Alaskan Tundra, and why?

**Part 3 – Specific Heat of Water Analysis:**

How do the abilities to change temperature differ for dry sand and water when they are exposed to equal quantities of radiation? How do the abilities to change temperature differ for dry sand and damp sand when they are exposed to equal quantities of radiation?