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Is the atmosphere cooled by the ground?

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Generally the atmosphere is cooled by the ground. As the result of our observation, the routinely situation is that the ground surface temperature is higher than air temperature all day. Then how may the air temperature is lower the than the ground surface temperature?

We observe how to cool each air temperature at 5 points different altitude in Kyoto city. There observation points are the top of Mt.Hiei (800 meters), 550 meters point at Mt.Hiei, Hiei-daira (370 meters), Kamitakano (100 meters) and Kyoto university(50 meters). This observation is only air temperature. When we analyze it, we selected some fine day to remove influence by the weather.

As a result, a similar bedding process was verified through the year. It is a concept exactly that the max potential temperature is the same each altitude. And then, they fall together and gradually steady from the top of Mt.Hiei in due order. In other words the atmosphere does bedding from the sky. This result is different from the concept. Naturally we should be able to see the process that the atmosphere does bedding of from the low place of the meters above to sea level if the atmosphere is cooled by the ground. When not the concept of the convection we think in a concept of the radioactive equilibrium, will not the atmosphere do bedding from the sky? In this announcement, we report it about the actual situation of the cooling process of the atmosphere through these observation results.

Keywords: atmospheric boundary layer, bedding process, cooling, radiation