我们可以使用您的地球温度来计算平均辐射温度吗？

谢谢您的来信。

我们在"平均辐射温度"方面没有太多经验，所以我只能从维基百科复制一个链接供您参考，但我们不知道这是否正确。

https://en.wikipedia.org/wiki/Mean_radiant_temperature

我们仪表上显示的地球温度已经补偿到 0.15m 直径的球体，所以我认为您可以使用如下相同的公式来计算。 只需输入风速、地球温度、Ta 值，然后你可以得到MRT。

And for the standard globe (D = 0.15 m, ε = 0.95):

$$MRT = \left[(GT + 273)^4 + 2,5 \cdot 10^8 \cdot v_a^{0,6}(GT - T_a)\right]^{1/4} - 273$$

希望以上帮助。 谢谢你。

Question:

Can we use your globe temperature to calculate mean radiant temperature?

Answer:

Thank you for your email.

We don't have much experience on "mean radiant temperature" so I only can copy a link from Wikipedia from for your reference. We don't know that is correct or not.

https://en.wikipedia.org/wiki/Mean_radiant_temperature

The globe temp. we displayed on our meter is compensated to 0.15m diameter globe already so I think you may use the same formula as below to calculate. Just input the velocity of wind, Globe temp. and Ta, then you can get MRT

And for the standard globe (D = 0.15 m, ε = 0.95):

$$MRT = \left[(GT + 273)^4 + 2,5 \cdot 10^8 \cdot v_a^{0,6}(GT - T_a)\right]^{1/4} - 273$$

Hope above help. Thank you.