Antarctic ice shelves experienced only minor changes in surface melt since 1980, study finds

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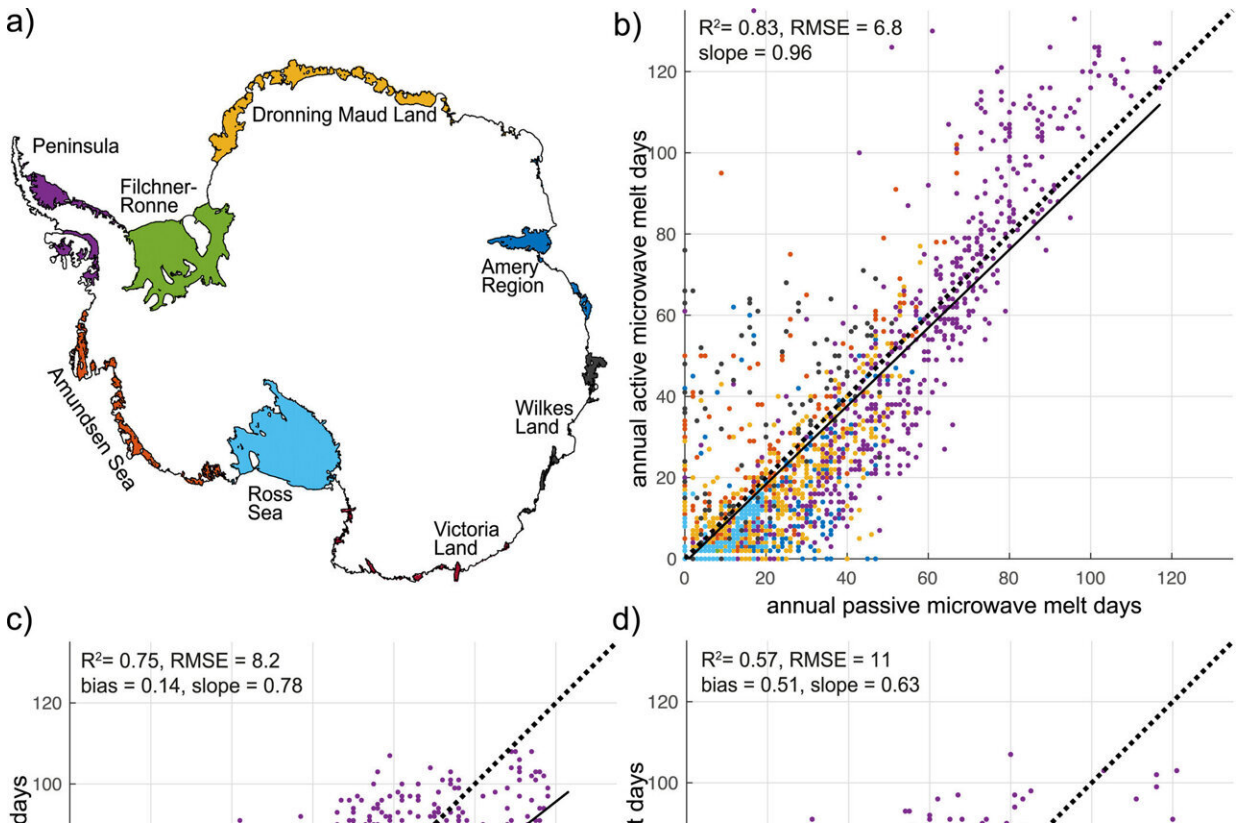

Observed and modeled melt days. (a) Ice shelves divided into eight regions (b) Passive versus active microwave-derived melt days for each melt season from 2007/2008 to 2019/2020. (c) Passive microwave-derived melt days versus SNOWPACK melt days for each melt season from 1980/1981 to 2020/2021. (d) Active microwave-derived melt days versus SNOWPACK melt days for each melt season from 2007/2008 to 2019/2020. The dashed black lines show y = x.

The solid black lines are the regression lines. All R2 values are significant at p