Characteristics of flares on giant stars (Corrigendum)

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1. Erratum

In Section 3.2 of the published paper, the median flare shapes of giant and dwarf stars were compared. We resampled the flares of giants and dwarfs to have similar $t_{1/2}$ distributions. However, due to an indexing error, the similarity metric (the sum of the squared differences) was calculated for a shuffled sample. As a result, the right panel of Fig. 5 in the paper indicated that the flare shapes of giants and dwarfs are similar, whereas the opposite is suggested by the data. The corrected version of the plot is shown in Fig. 1. The corrected difference amounts to $\sim 4\sigma$, making the difference between the scaled flare shapes of giants and dwarfs significant. We note that resampling the $t_{1/2}$ distributions to be similar makes little difference for this conclusion. We apologize for any inconvenience caused by this error.

**Fig. 1.** Difference between the flare shapes of giants and dwarfs. The similarity metric calculated for the real dataset is shown with the vertical black line, and the distribution calculated from randomly shuffling the data is shown by the grey histogram. The dashed line shows the erroneous value from the paper.

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