

**Supplementary information for:
Interpretation of Recent Antarctic Sea Ice Loss:
the Southern Annular Mode During the Seasonal Sea Ice Maximum**

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Supplementary Figure List

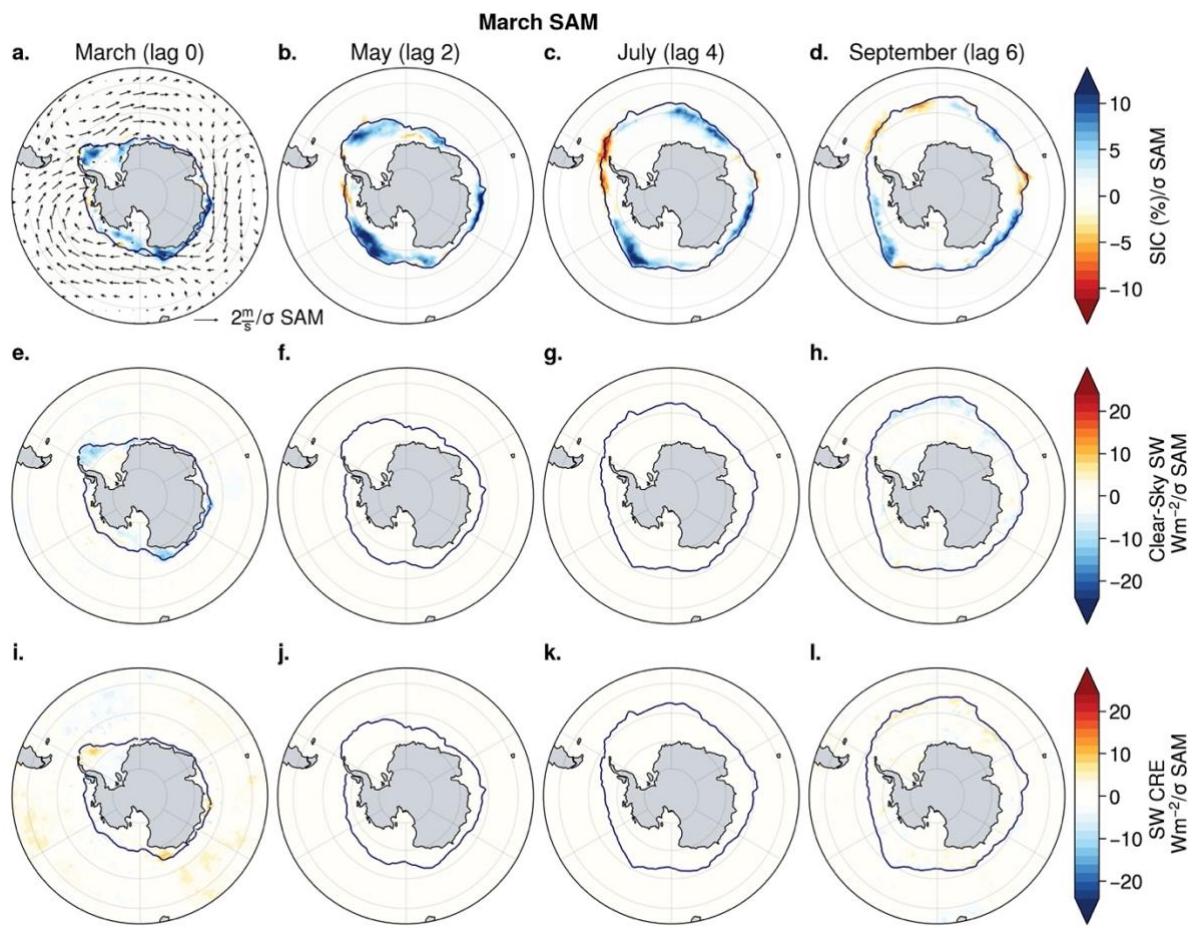
Supplementary Figure 1: Monthly spatial regressions onto the March SAM index.

Supplementary Figure 2: Monthly spatial regressions onto the July SAM index.

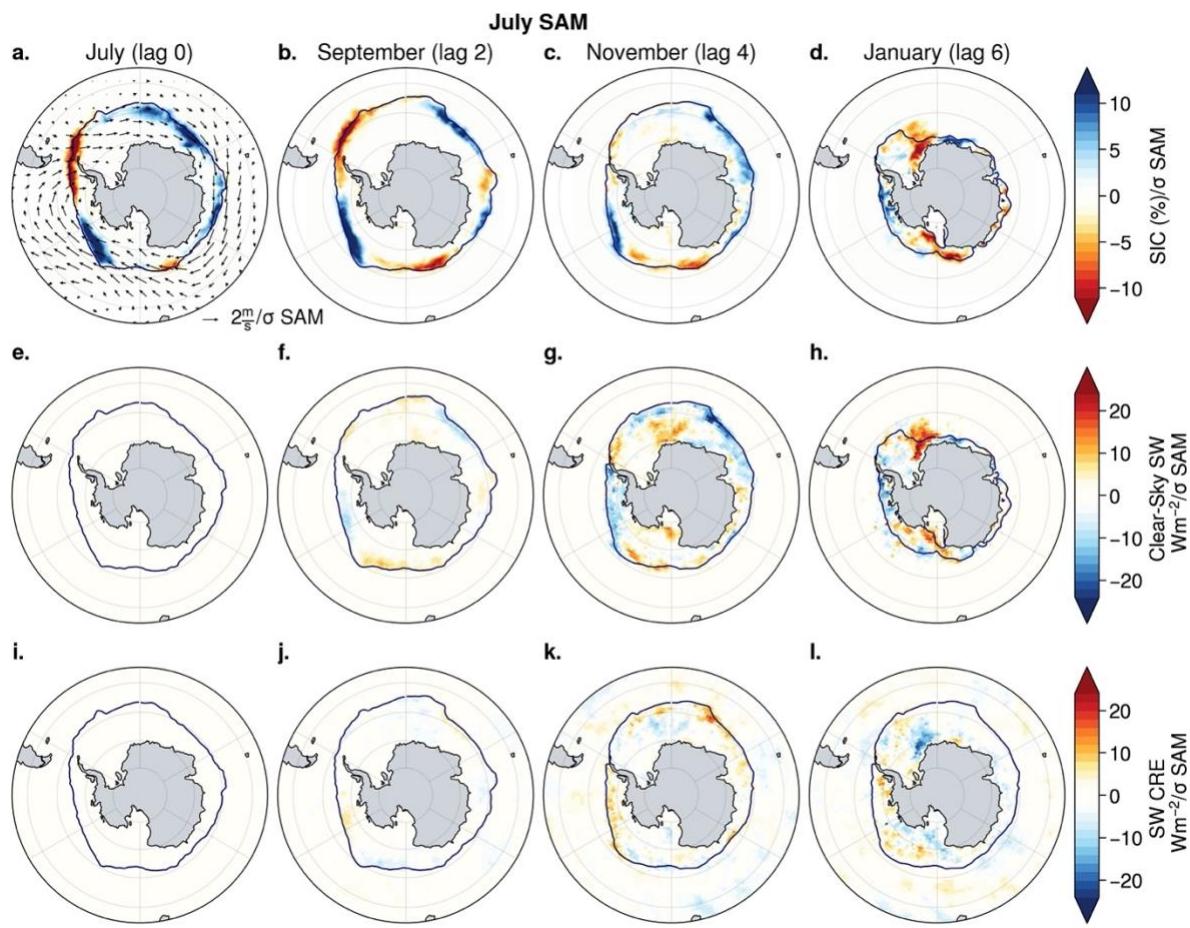
Supplementary Figure 3: Monthly spatial regressions onto the August SAM index

Supplementary Figure 4: Quantifying the amount of SIA variance explained by the SAM

Figure 5. Evolution of SIA and the SAM for the period from 1979–2015.

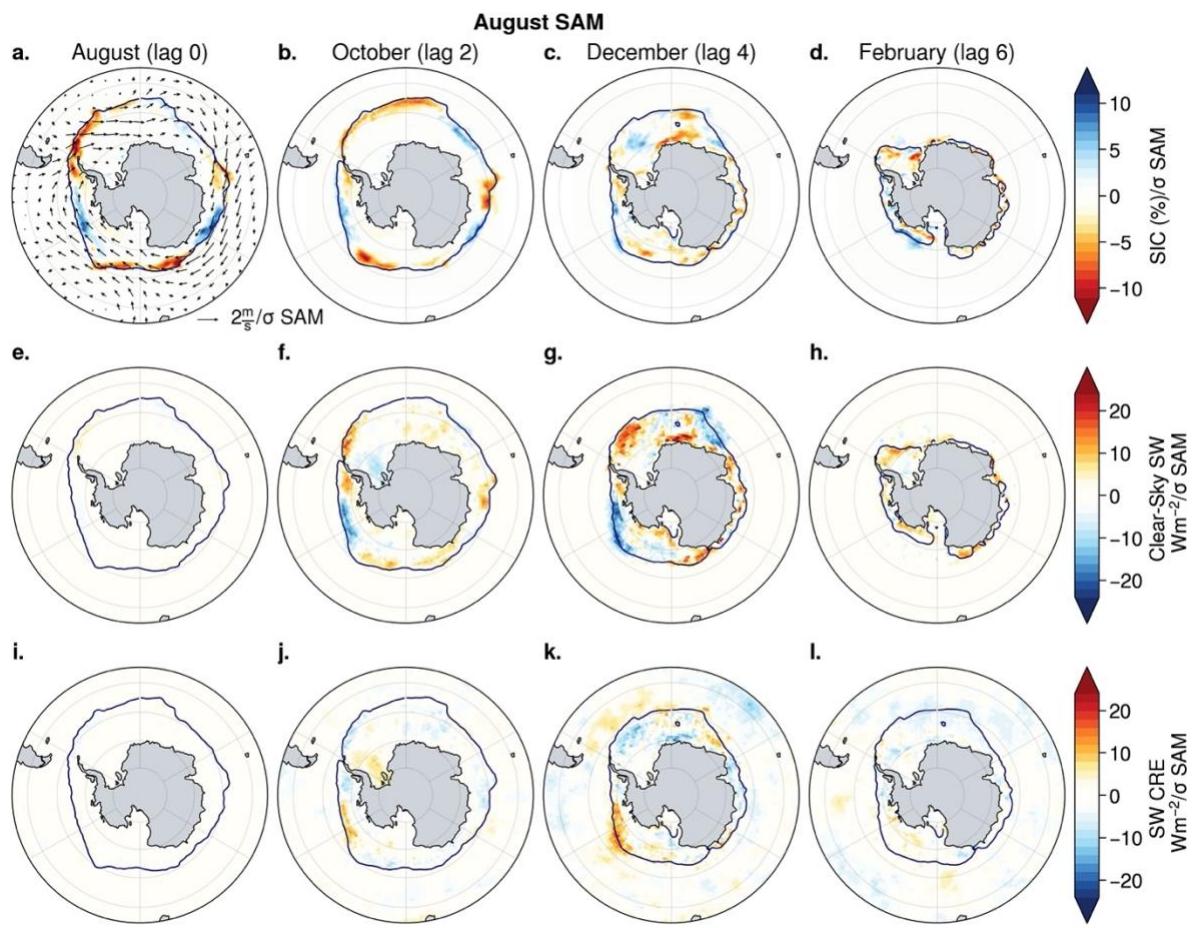


Supplementary Figure 1. As in Fig. 3, but for regressions onto standardized March values of the SAM index

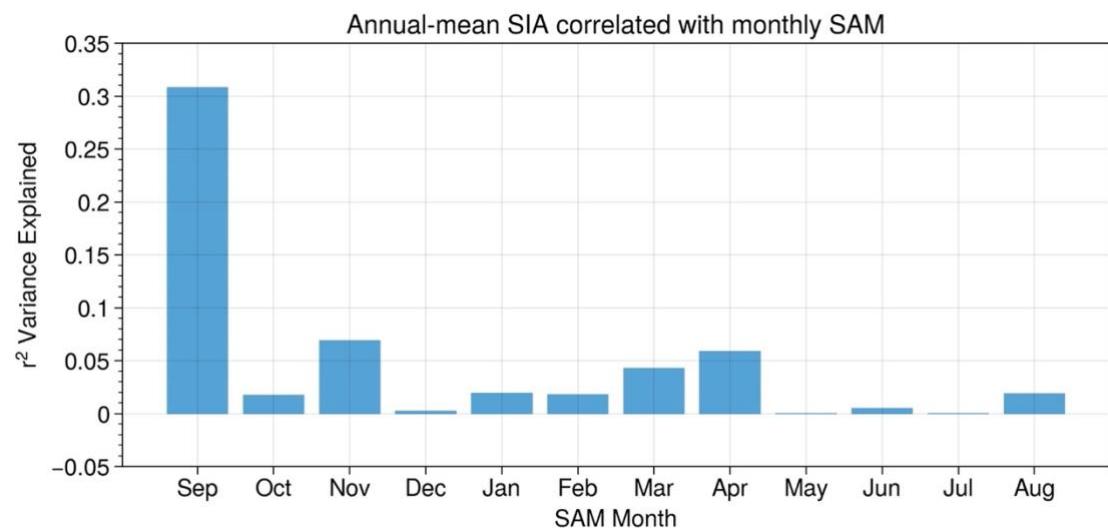


Supplementary Figure 2. As in Fig. 3, but for regressions onto standardized July values of the SAM index

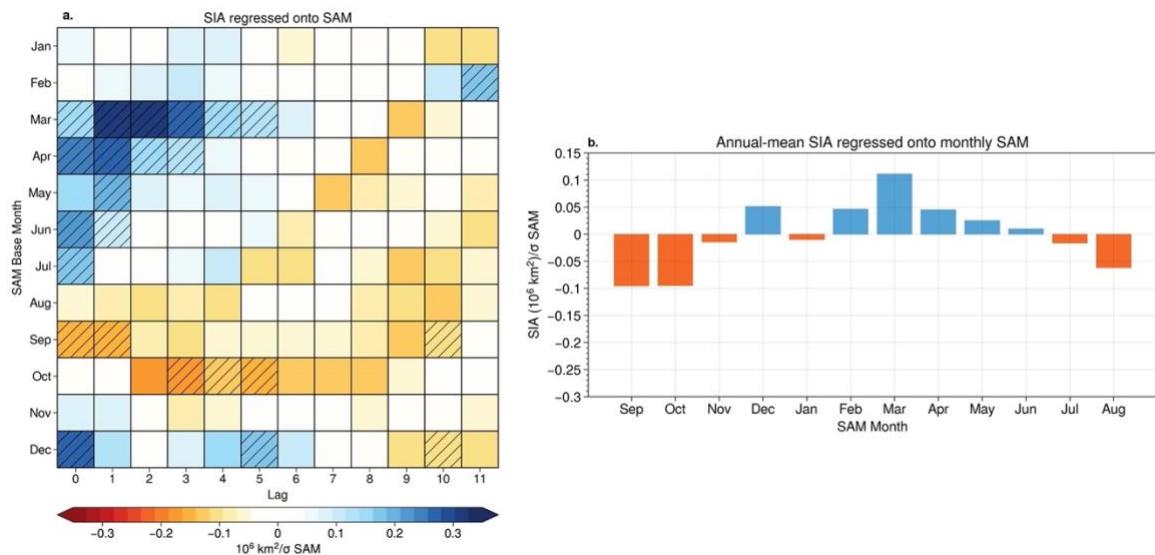
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Supplementary Figure 3. As in Fig. 3, but for regressions onto standardized August values of the SAM index



Supplementary Figure 4. As in Fig. 5a, but for the variance in annual-mean SIA anomalies explained by variations in the SAM index during the indicated month. For example: Results for September indicate the correlation squared between September-August (during the following year) mean values of SIA and September values of the SAM index, etc.



Supplementary Figure 5. As in Figs. 2b and 5a but for data limited to the period 1979-2015.