

# Supporting Information for ”Which Stratospheric Sudden Warming Events are Most Predictable?”

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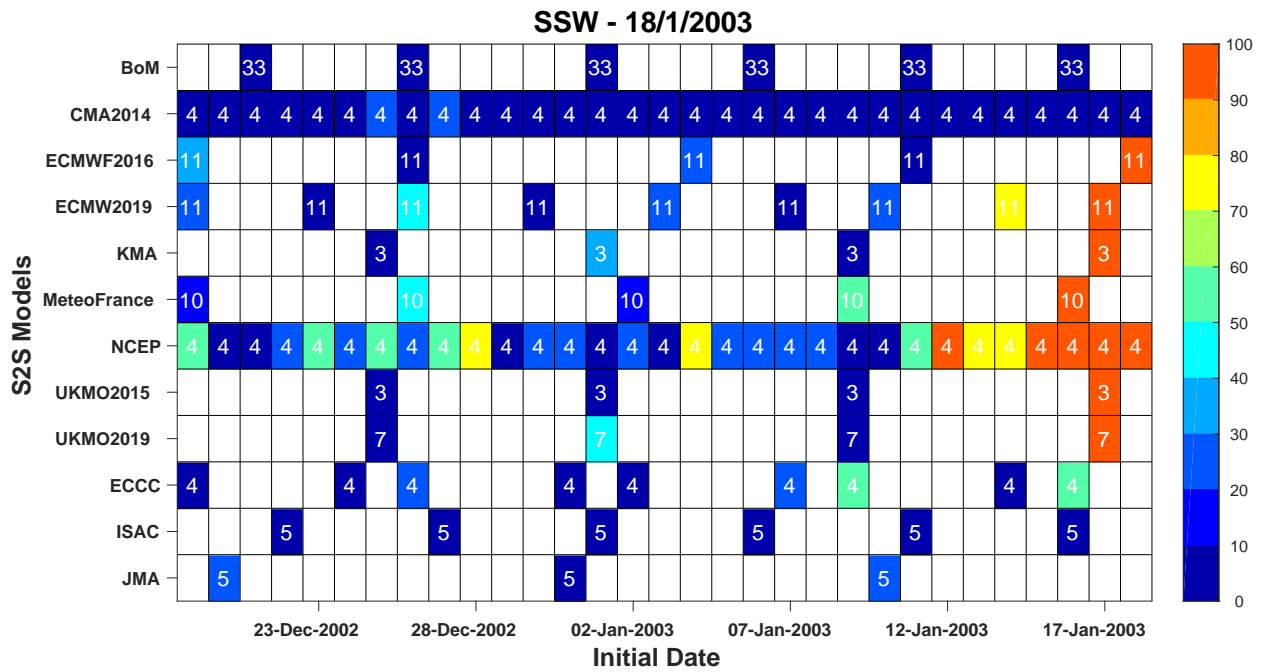
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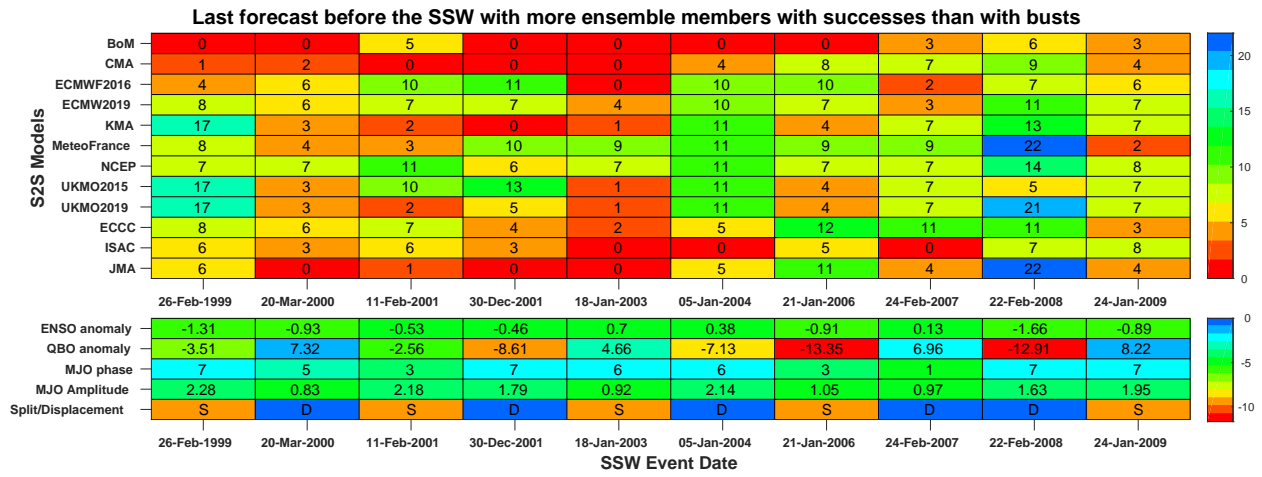
1. Figures S1 to S4

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January 20, 2022, 4:10pm

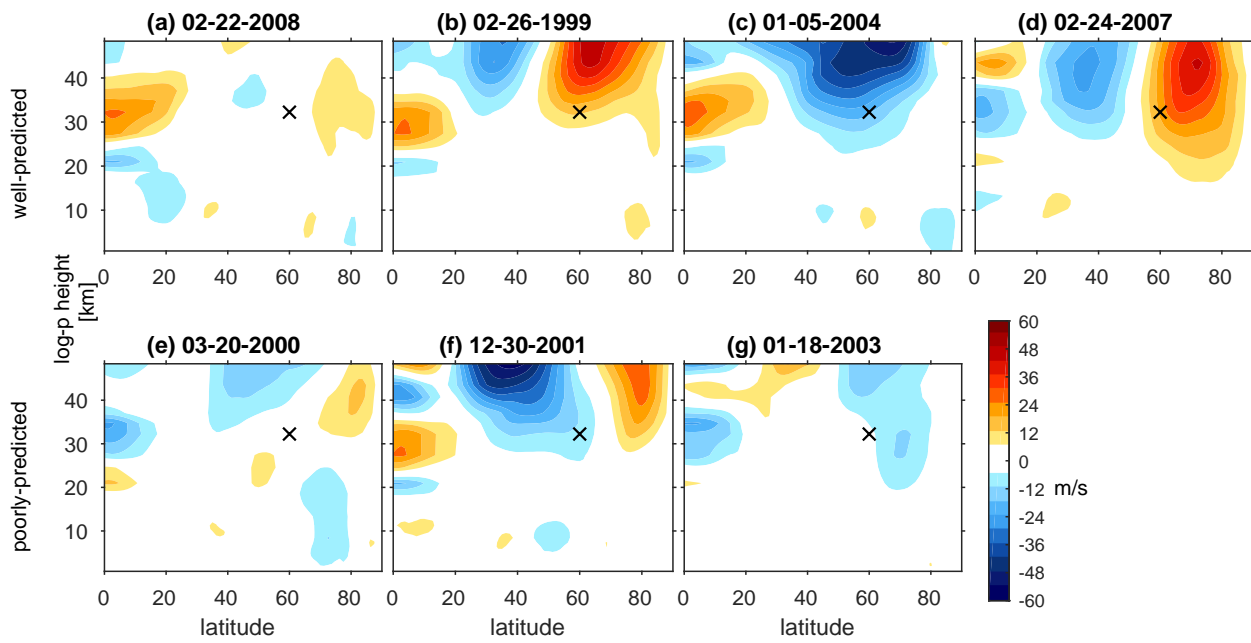


**Figure S1.** As in Figure 1 of main text but for the January 18, 2003 event.

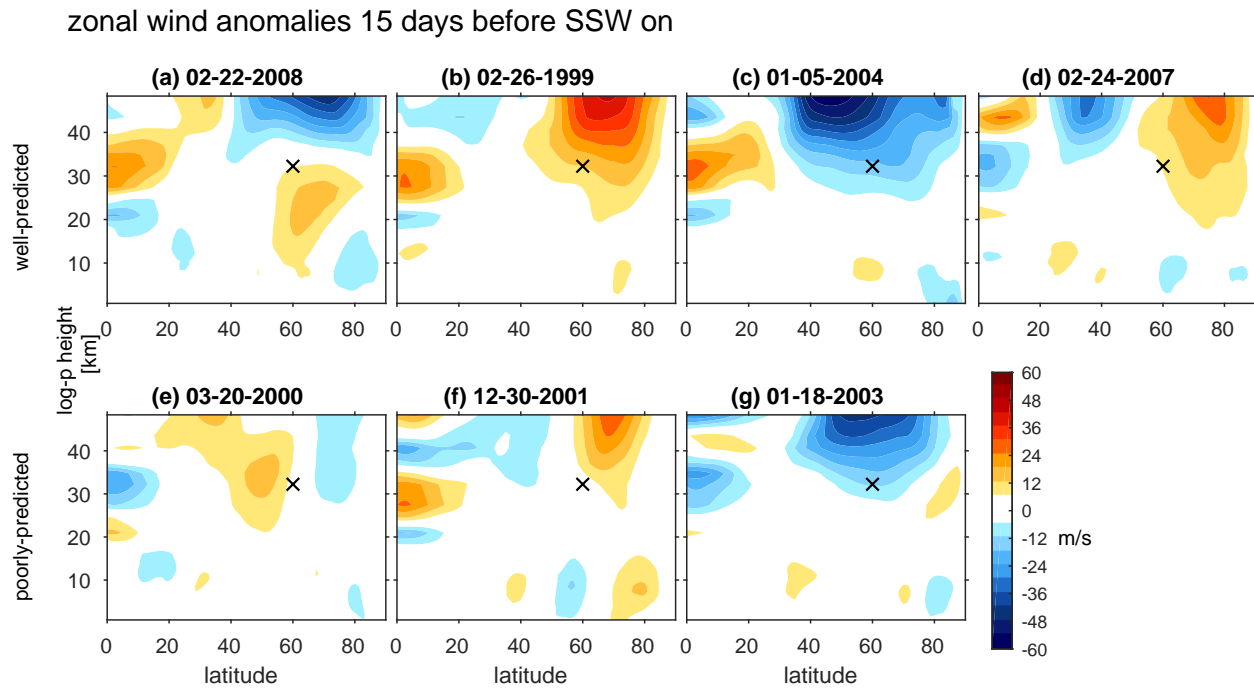


**Figure S2.** As in Figure 2 of main text but for more successes than forecast busts, where a success is defined as simulating the SSW within  $\pm 3$  days of its actual date and a bust is defined as simulating a SSW outside of this  $\pm 3$  day window.

zonal wind anomalies 10 days before SSW on



**Figure S3.** Anomalous zonal wind 10 days before each of the (top) well predicted and (bottom) poorly predicted SSWs. An x is placed at 60N, 10hPa.



**Figure S4.** Anomalous zonal wind 15 days before each of the (top) well predicted and (bottom) poorly predicted SSWs. An x is placed at 60N, 10hPa.