*The following supplement accompanies the article*

# Antarctic sea ice change based on a new sea ice dataset from 1992 to 2008

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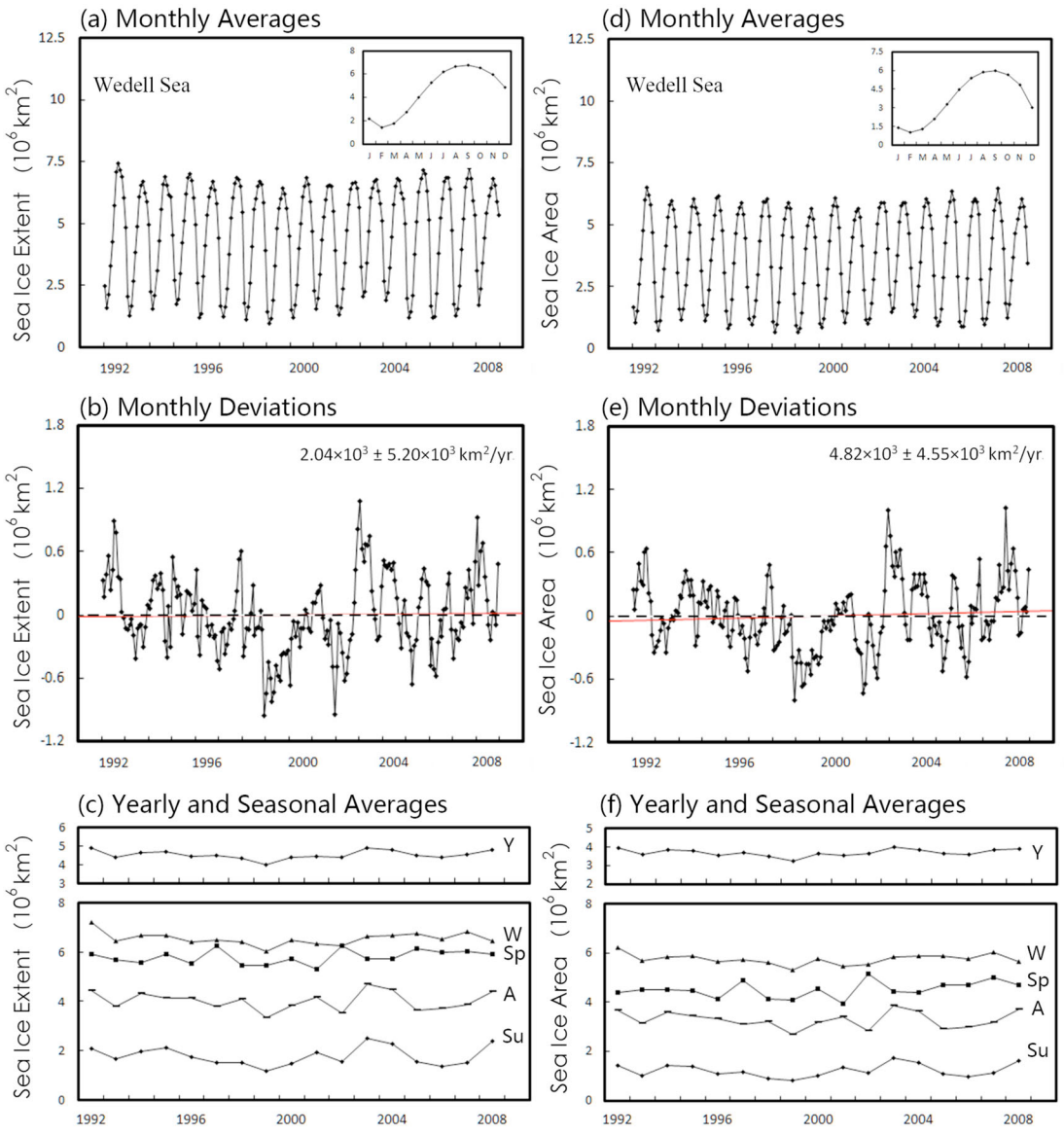


**Fig. S1**.

Time series of monthly averages of sea ice extent (SIE) and sea ice area (SIA) for the Wedell Sea from January 1992 through December 2008, respectively, with insets showing the average annual cycle, calculated from (a,d) Special Sensor Microwave/Imager satellite data; (b,e) monthly deviations of SIE and SIA, respectively; and (c,f) yearly and seasonal averages of SIEs and SIAs, respectively. Y: yearly averages; Su: summer averages (January−March); A: autumn averages (April−June); W: winter averages (July−September); Sp: spring averages (October−December)

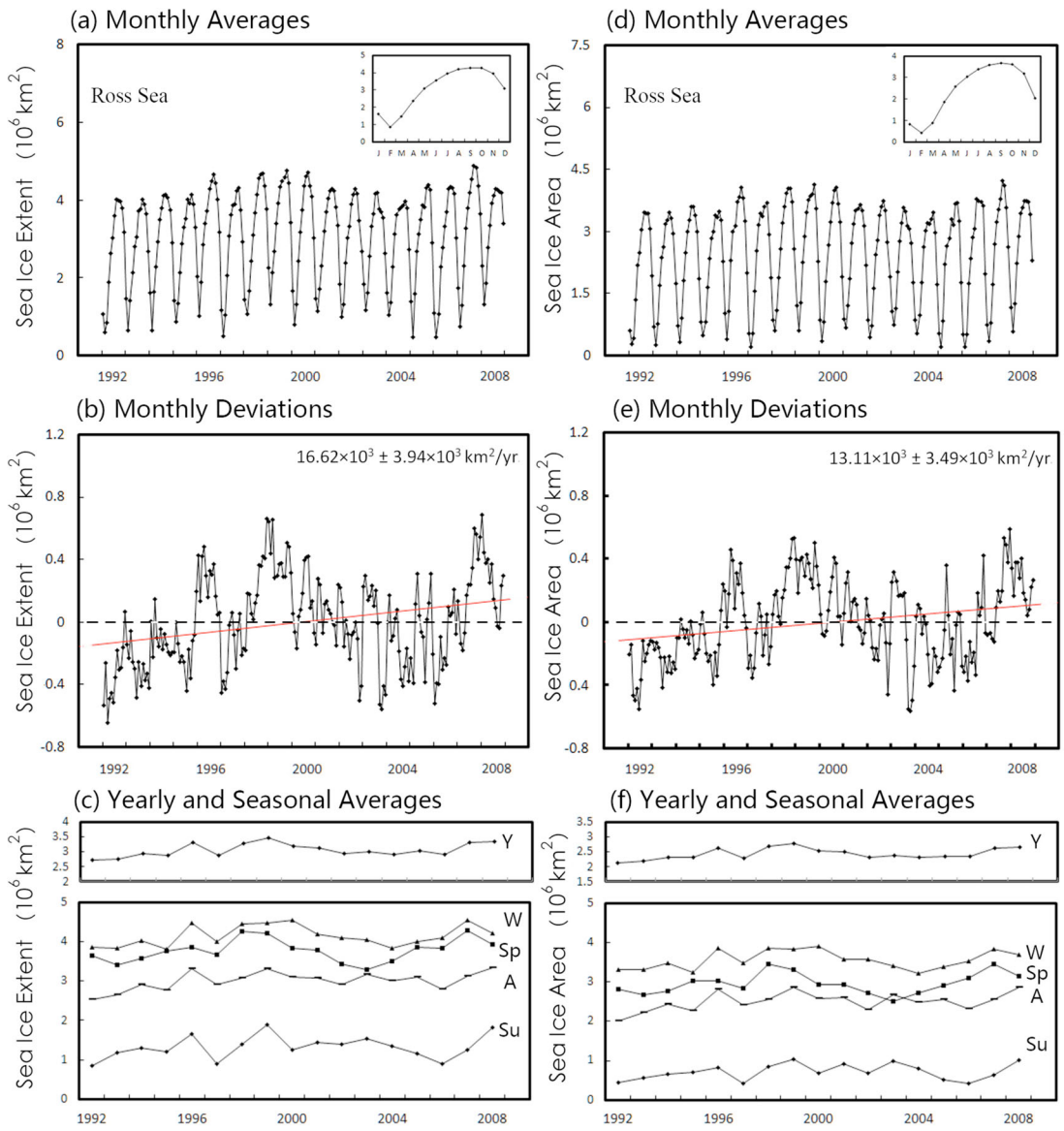


**Fig. S2**. Time series of SIE and SIA for the Ross Sea, similar to Fig. S1.

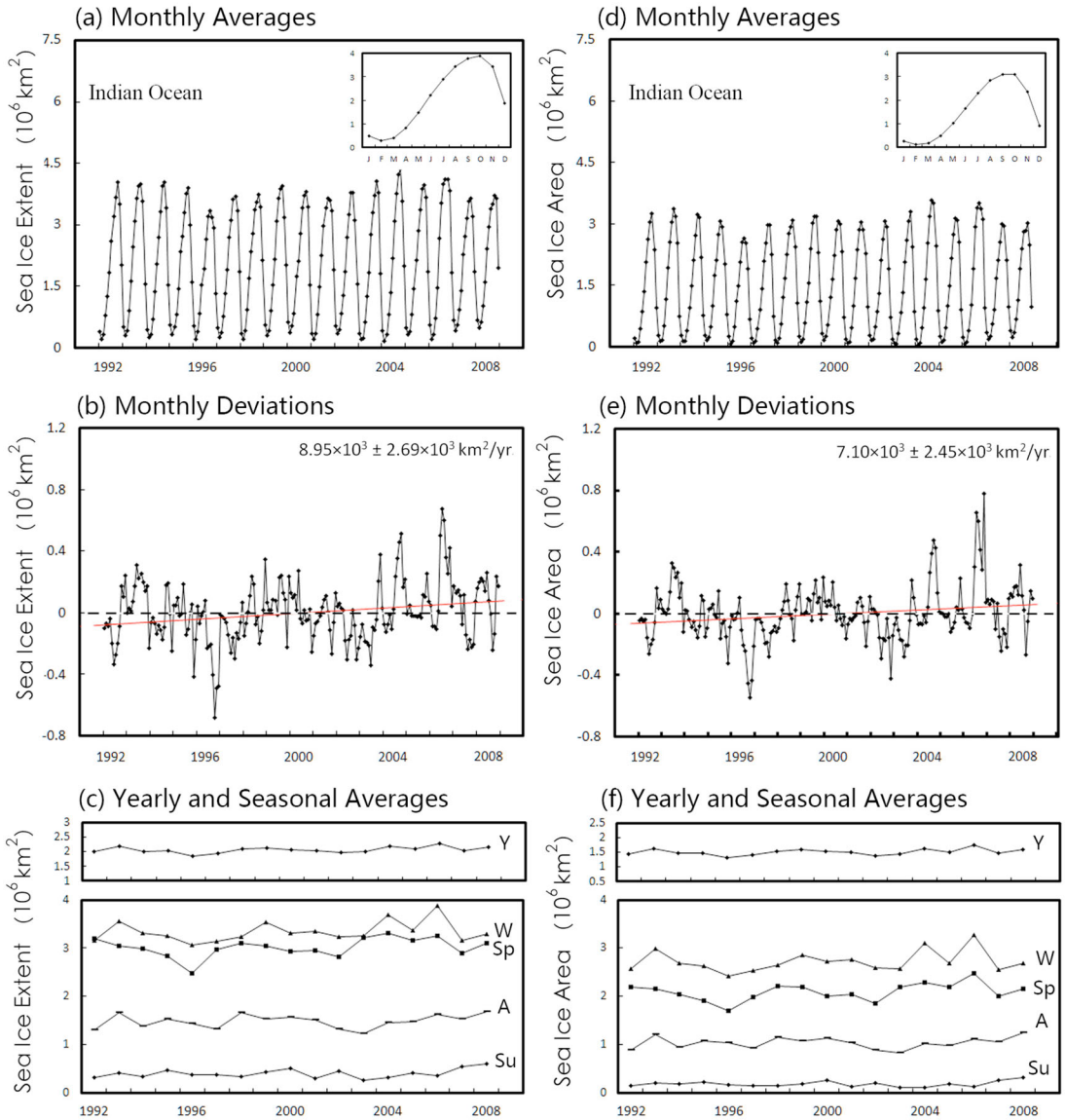


**Fig. S3**. Time series of SIE and SIA for the Indian Ocean, similar to Fig. S1.

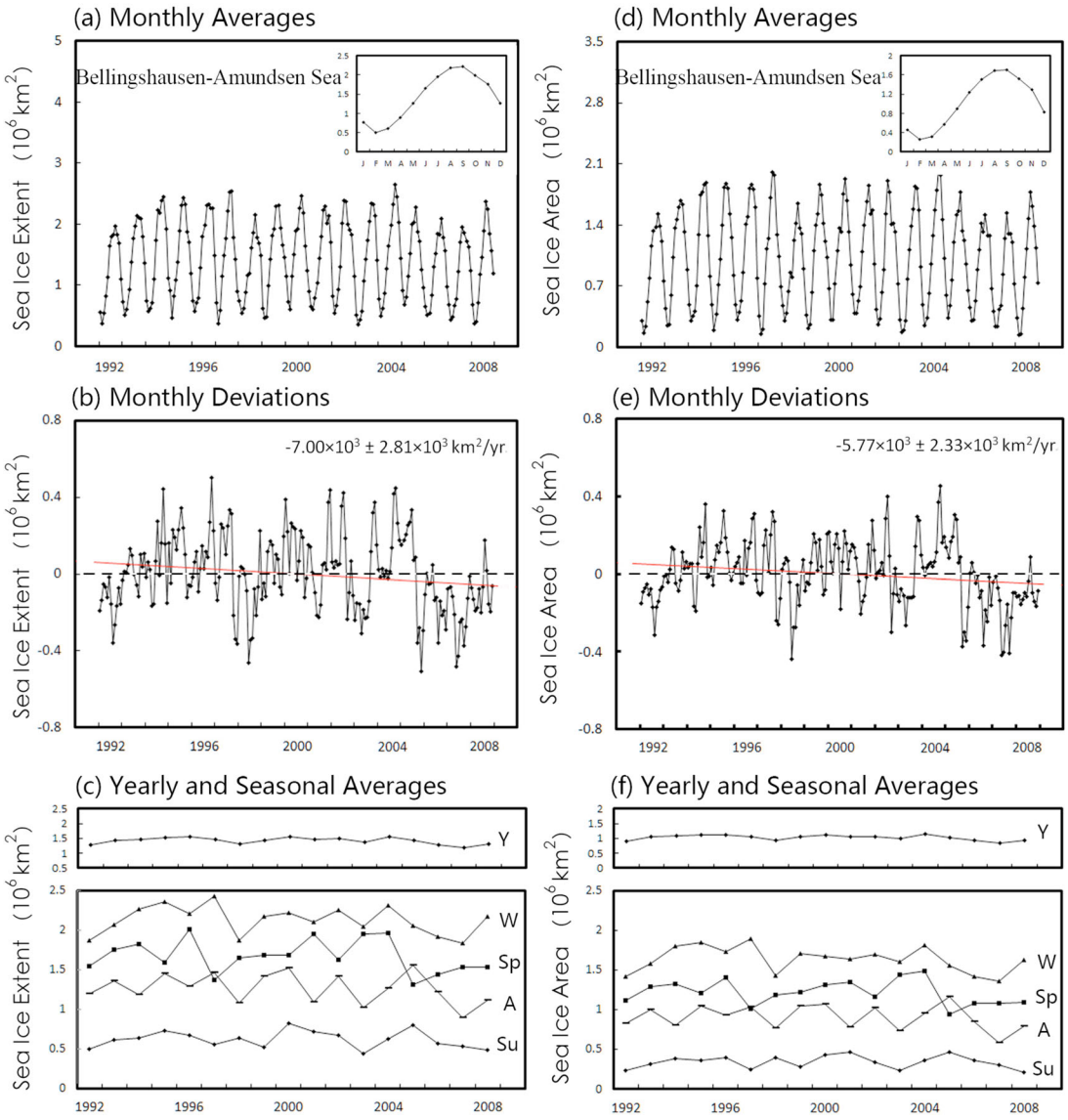


**Fig. S4**. Time series of SIE and SIA for the Bellingshausen/Amundsen Seas, similar to Fig. S1.

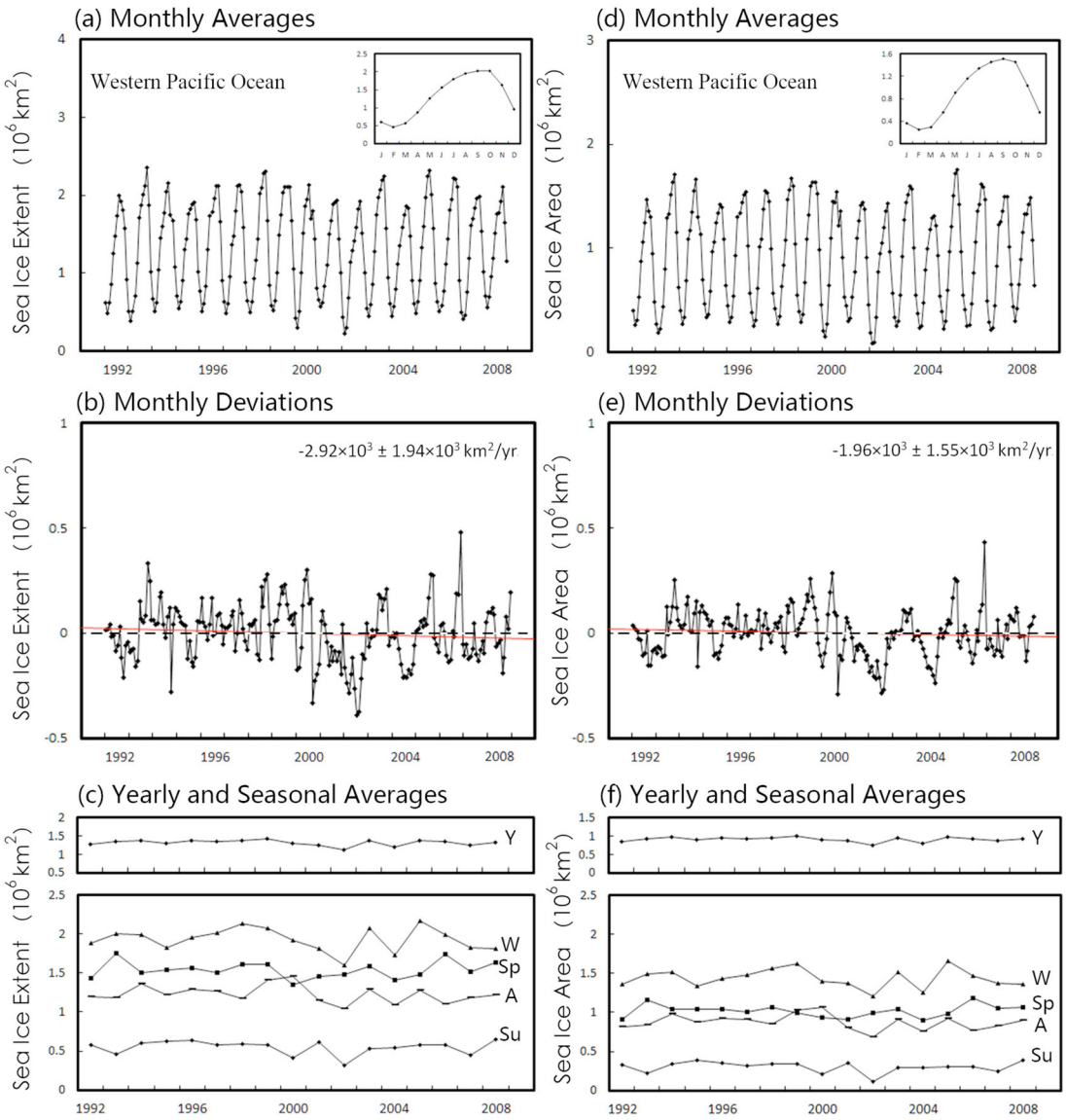


**Fig. S5**. Time series of SIE and SIA for the western Pacific Ocean, similar to Fig. S1.