

Supplementary Material: Climate Change Made Major Contributions to Soil Water Storage Decline in the Southwestern US during 2003–2014

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This file contains Figure S1–S4, and Table S1–S2.

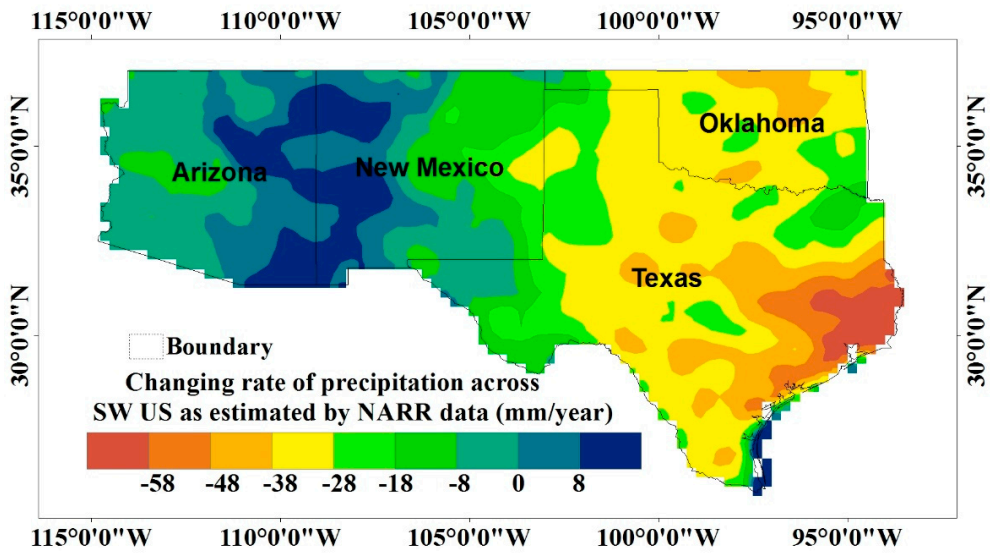


Figure 1. Changing rate of annual precipitation from 2003 to 2014.

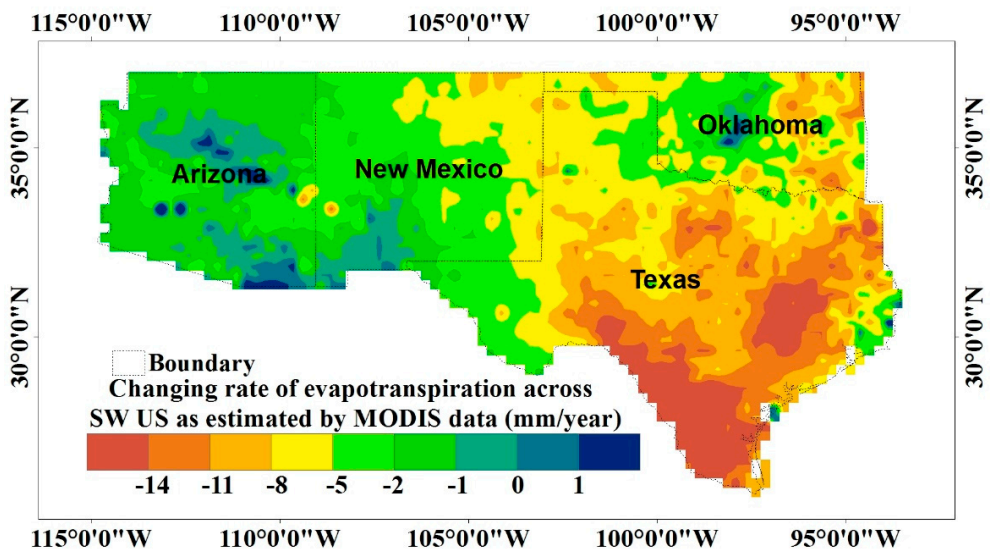


Figure S2. Changing rate of evapotranspiration during 2003–2014.

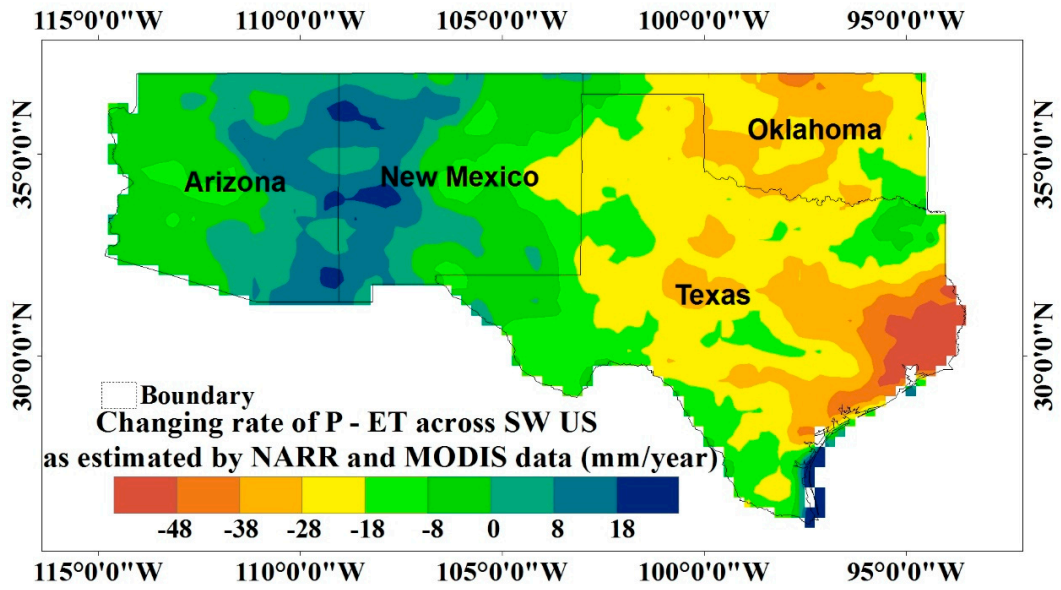


Figure S3. Changing rate of net atmospheric water input (precipitation–evapotranspiration) from 2003 to 2014.

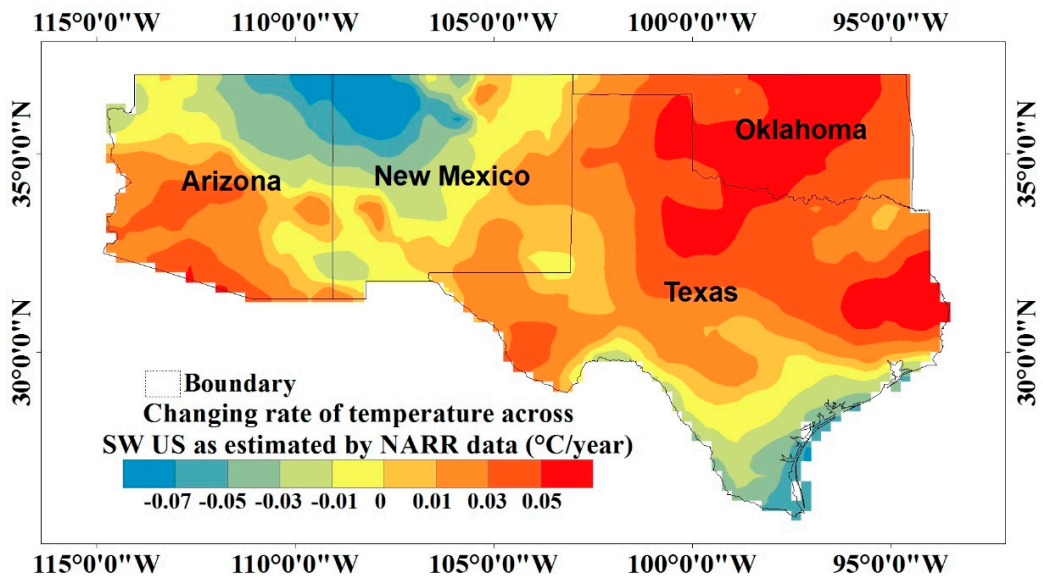


Figure S4. Changing rate of air temperature from 2003 to 2014.

Table S1. Average water consumption (mm/m²/year) for each state and entire SWUS region during 2003–2010.

Year	SWUS	AZ	NM	OK	TX
2003	35.31	28.19	15.18	13.68	53.32
2004	34.72	27.72	15.23	13.20	52.57
2005	34.13	27.25	15.28	12.72	51.81
2006	34.16	27.12	15.13	15.26	51.36
2007	34.20	27.00	14.99	17.80	50.90
2008	34.23	26.88	14.84	20.34	50.44
2009	34.27	26.76	14.69	22.88	49.98
2010	34.30	26.63	14.54	25.43	49.52
2011	34.28	26.70	14.61	24.16	49.75
2012	34.28	26.70	14.61	24.16	49.75
2013	34.28	26.70	14.61	24.16	49.75
2014	34.28	26.70	14.61	24.16	49.75

Note: SW stands for Southwest US. AZ, NM, OK, and TX stand for Arizona, New Mexico, Oklahoma, and Texas, respectively.

Table S2. Annual temperature (°C) at state and regional level in SWUS during 2003–2014.

Year	SWUS	AZ	NM	OK	TX
2003	17.21	13.92	13.92	15.88	19.31
2004	16.73	12.90	12.90	16.06	19.11
2005	17.27	13.59	13.59	16.49	19.62
2006	17.65	13.62	13.62	17.26	20.22
2007	16.67	13.15	13.15	15.54	18.73
2008	16.52	12.50	12.50	15.33	19.09
2009	16.42	12.83	12.83	15.00	18.77
2010	16.64	12.91	12.91	16.18	18.91
2011	17.42	13.11	13.11	17.30	20.30
2012	18.21	14.24	14.24	18.11	20.63
2013	16.69	12.82	12.82	15.88	19.15
2014	17.05	13.42	13.42	16.07	19.10

Note: SW stands for Southwest US. AZ, NM, OK, and TX stand for Arizona, New Mexico, Oklahoma, and Texas, respectively.