

Fourth National Climate Assessment

Volume II: Impacts, Risks, and Adaptation

Errata

Last updated March 2021

ERRORS (see below for Copyediting Corrections)

Chapter 1: Overview

1. Online only, Figure 1.2, panel (j), interactive version: Added numerical labels to the color bar showing change in length of growing season.

Chapter 2: Our Changing Climate

1. Page 82, Figure 2.2, right panel: Corrected a small error in the calculation of the base period averages, which was generally in the range of 0.1°F to 0.3°F. The error was the result of the values in the data file being mislabeled as anomalies with respect to 1960–1999. In the original figure, the plotted values were adjusted to the figure’s 1986–2015 base period by making the following calculation: [plotted value = original data value minus (average of 1986–2015 minus the average of 1960–1999)]. However, the values in the data file were actually anomalies with respect to 1901–1960. The values were recalculated as: [plotted value = original data value minus (average of 1986–2015 minus the average of 1901–1960)].
2. Page 85, Figure 2.3: Removed a pink line that was an artifact of a previous version of the figure and was a duplicate of the line showing historical satellite data.
3. Page 88, right column, last paragraph: Corrected a value in the text describing a projected change in heavy precipitation for the Midwest as shown in the top left panel of Figure 2.6. Text now reads, “For heavy precipitation events above the 99th percentile of daily values, observed changes for the Northeast and Midwest average 38% and 42%, respectively, when measured from 1901, and 55% and 42%, respectively, when measured with the more robust network available from 1958.”
4. Page 89, Figure 2.5 caption: Corrected base period ranges for both historical and projected values. For the top panel, “relative to 1901–1960” was replaced with “(relative to 1901–1960 for the contiguous United States and 1925–1960 for Alaska, Hawai‘i, Puerto Rico, and the U.S. Virgin Islands)”. For the middle and bottom panels, “(relative to 1901–1960 for the contiguous United States and 1925–1960 for Alaska, Hawai‘i, Puerto Rico, and the U.S. Virgin Islands)” was replaced with “(relative to 1986–2015)”.
5. Page 93, Figure 2.7 caption: Added a description of the gray line on the bottom panel of the figure. UPDATE: Corrected to note that the data (including the gray line) in the time series plot (bottom panel) ends in 2017, not 2016.

Chapter 5: Land Cover and Land-Use Change

1. Page 208, Figure 5.1, bottom right panel: Corrected the position of the graphs for three regions. Previously, the row labeled Northeast showed data for the Northern Great Plains, the row labeled Northern Great Plains showed data for the Southwest, and the row labeled Southwest showed data for the Northeast.

Chapter 10: Agriculture and Rural Communities

1. Page 404, left column, last paragraph: Replaced “1910–2015” with “1910–2017”.

Chapter 12: Transportation

1. Page 487, left column, second paragraph: Corrected text to refer to Portsmouth, Virginia, rather than Hampton Roads, Virginia. Text now reads, “In Portsmouth, Virginia, one-third of residents report flooding in their neighborhoods at least a couple of times a year...”.

Chapter 14: Human Health

1. Page 553, Opening Image Credit: Corrected the image source from “NOAA Great Lakes Environmental Research Laboratory” to “NASA Earth Observatory image by Joshua Stevens, using Landsat data from the U.S. Geological Survey”.

Chapter 18: Northeast

1. Page 676, Figure 18.1 caption: Corrected caption to refer to a map rather than a satellite image. Text now reads, “A map showing primary roads and population density...”.
2. Page 700: Corrected list of citations to refer to reference number 29 instead of reference number 327 in two sentences. Text now reads, “This “climate penalty,” whereby reductions in ozone precursor emissions are at least partially offset by a changing climate, is projected to lead to substantially more ozone pollution-related deaths;^{324,325,29} 200–300 more excess deaths per year by 2050 compared to 2000 by one estimate.³²⁵ AND “Excess deaths due to ground-level ozone pollution are projected to increase substantially under both lower (RCP4.5) and higher (RCP8.5) scenarios.²⁹”.

Chapter 19: Southeast

1. Page 765, Figure 19.12 caption: Replaced “0.02% or 0.001%” with “0.2% or 0.1%”.

Chapter 20: U.S. Caribbean

1. Page 831, second paragraph, lines 17–20: Corrected explanation of projected direction of change. Text now reads, “Fisheries productivity is projected to decline while catch effort increases as fishers travel longer distances and spend more time on the water.”.
2. Page 837, Figure 20.14 caption: Corrected the starting date of the data displayed from 1970 to 1971. The online metadata was revised accordingly.
3. Page 843, Figure 20.15, top right panel: Corrected the placement of labels “A” and “E” based on proper geographic coordinates.
4. Online only, Figure 20.18, interactive version: The interactive version released on 23 November 2018 included several organizations that did not appear in the static image (p. 847). The updated interactive figure includes only the organizations that appear in the static figure except for two organizations that were omitted because they are no longer in operation. The online metadata was updated to note differences between the static and interactive versions of the figure.

Chapter 21: Midwest

1. Page 898, left column, line 2: Deleted “or Phoenix”, as the comparison refers only to Las Vegas.

Chapter 22: Northern Great Plains

1. Page 968, left column, line 5: Replaced “rain to snow” with “snow to rain”.

Chapter 23: Southern Great Plains

1. Page 987, Recommended Citation: Corrected typos in author names J. Lemery and C. Sorensen and added author C. Loeffler, who was erroneously omitted. The correct citation is as follows:
Kloesel, K., B. Bartush, J. Banner, D. Brown, J. Lemery, X. Lin, C. Loeffler, G. McManus, E. Mullens, J. Nielsen-Gammon, M. Shafer, C. Sorensen, S. Sperry, D. Wildcat, and J. Ziolkowska, 2018: Southern Great Plains. In *Impacts, Risks, and Adaptation in the United States: Fourth National Climate Assessment, Volume II* [Reidmiller, D.R., C.W. Avery, D.R. Easterling, K.E. Kunkel, K.L.M. Lewis, T.K. Maycock, and B.C. Stewart (eds.)]. U.S. Global Change Research Program, Washington, DC, USA, pp. 987–1035. doi: [10.7930/NCA4.2018.CH23](https://doi.org/10.7930/NCA4.2018.CH23)
2. Page 1014, Figure 23.10 caption: Replaced “at a Cheyenne Sun Dance Ceremony” with “representing the Cheyenne Tribe at a traditional speaking engagement.”.

Chapter 24: Northwest

1. Page 1061, Figure 24.13 caption: Corrected the title of the meeting at which the photo was taken. Text now reads, “Participants at the 2014 Leaders Self-Care Workshop.”.

Chapter 25: Southwest

1. Page 1119, Figure 25.5: Added a legend to the figure and corrected the methodology of the calculations. Annual departures from average sea level were previously calculated in error by adding (rather than subtracting) the base period average to the annual observed values. The online metadata was updated accordingly.
2. Page 1125, Figure 25.8: The “Historical Average” legend has been revised to include the circle size (the second-smallest circle of the four in the new legend) used to show historical generation capacities of 700 to 1400 Megawatts.

Chapter 27: Hawai‘i and U.S.-Affiliated Pacific Islands

1. Page 1258, Figure 27.7: Updated the figure to include the island of Kaua‘i, which was previously omitted.

Chapter 29: Reducing Risks Through Emissions Mitigation

1. Page 1354, Figure 29.1: The figure has been revised to correct the shading of several states in the map in panel (a).
2. Page 1361, right column, line 19 and line 41: Replaced reference number 98 (Diaz and Keller 2016) with reference number 196 (Diaz 2016).

Appendix 3: Data Tools and Scenario Products

1. Page 1418, Figure A3.1: Corrected to remove a pink line that had been inadvertently included in the original version of the figure.
2. Online only, Figure A3.2, panel (j), interactive version: Added numerical labels to the color bar showing change in length of growing season. Also, the “download” button on the website downloaded an image not used in the report.

3. Page 1428, Acknowledgments: Corrected the affiliations for Michael Kolian (U.S. Environmental Protection Agency) and William V. Sweet (National Oceanic and Atmospheric Administration).

Appendix 5: Frequently Asked Questions

1. Page 1463, Figure A5.10: This is a duplicate of the right panel of Figure 2.2. There was a small error in the calculation of the base period averages, generally in the range of 0.1°F to 0.3°F. The values in the graph were adjusted based on the correct base period averages. See erratum #1 under Chapter 2: Our Changing Climate for a full description of the correction.

COPYEDITING CORRECTIONS

Chapter 19: Southeast

1. Page 759, Figure 19.8: The x-axis label was revised to use “Higher” rather than “Highest”. It now reads “Height Above Mean Higher High Water (feet)”.