

Global atmospheric CO₂ concentration

Selected indicators

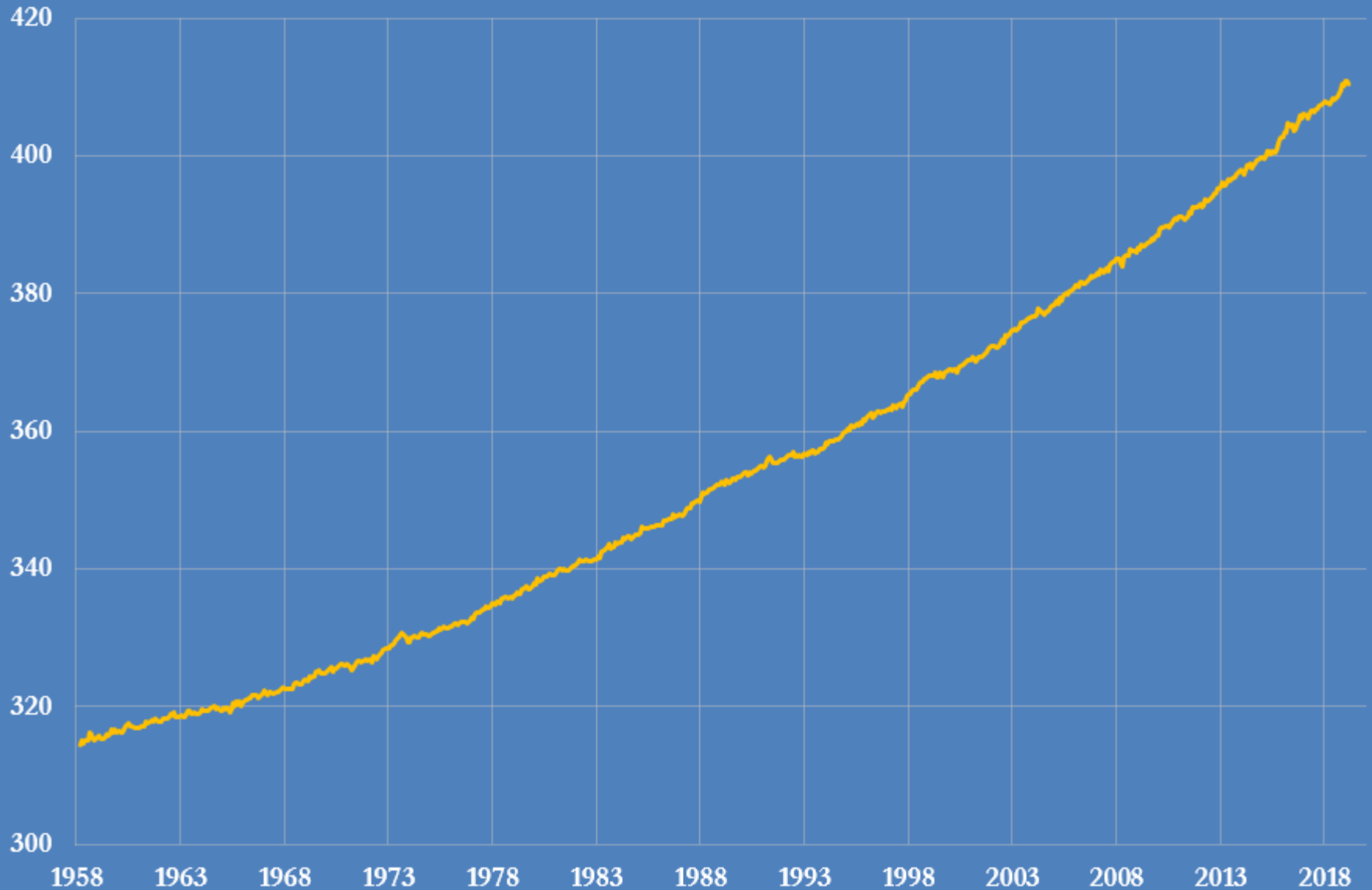
JOHN KEMP

REUTERS

16 April 2019

Atmospheric CO₂ concentration, 1958-2019

Mauna Loa observatory, ppm, monthly, seasonally adjusted

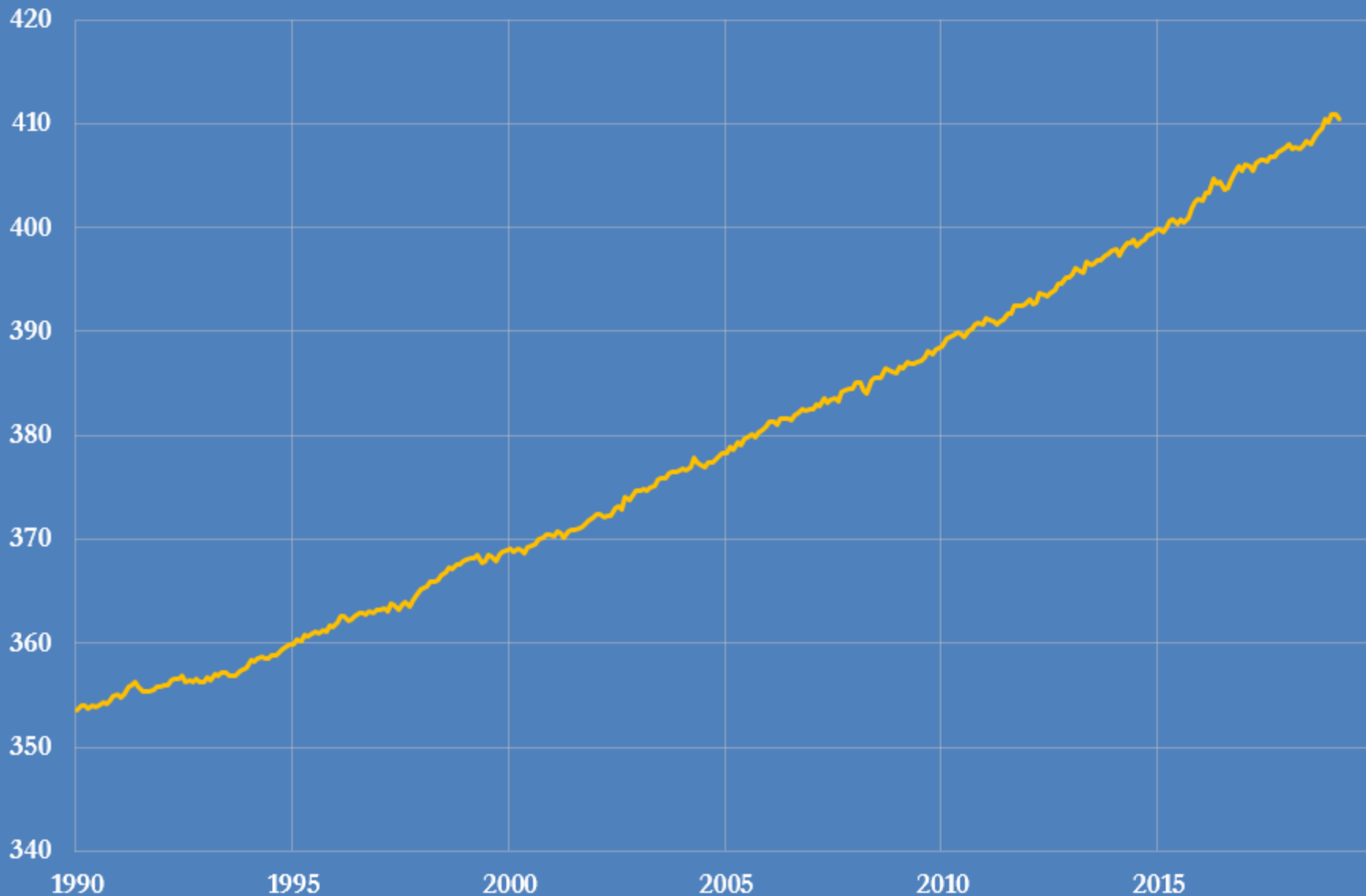


Source: Scripps Institution of Oceanography

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Atmospheric CO₂ concentration, 1990-2019

Mauna Loa observatory, ppm, monthly, seasonally adjusted



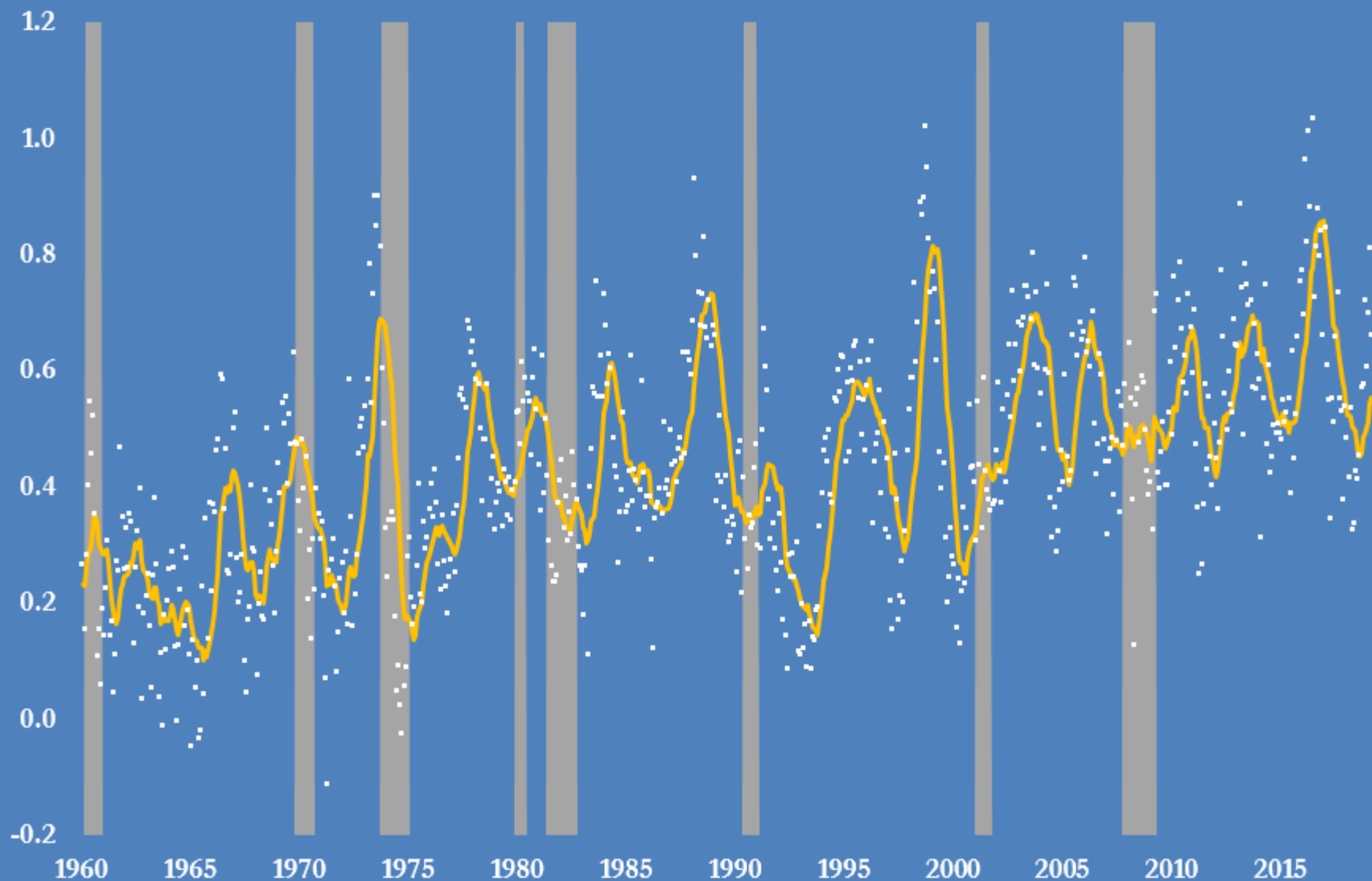
Source: Scripps Institution of Oceanography

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Atmospheric CO₂ concentration, 1960-2019

Percent change from year earlier, monthly and 12-month average

NBER U.S. recessions shown



Source: Scripps Institution of Oceanography

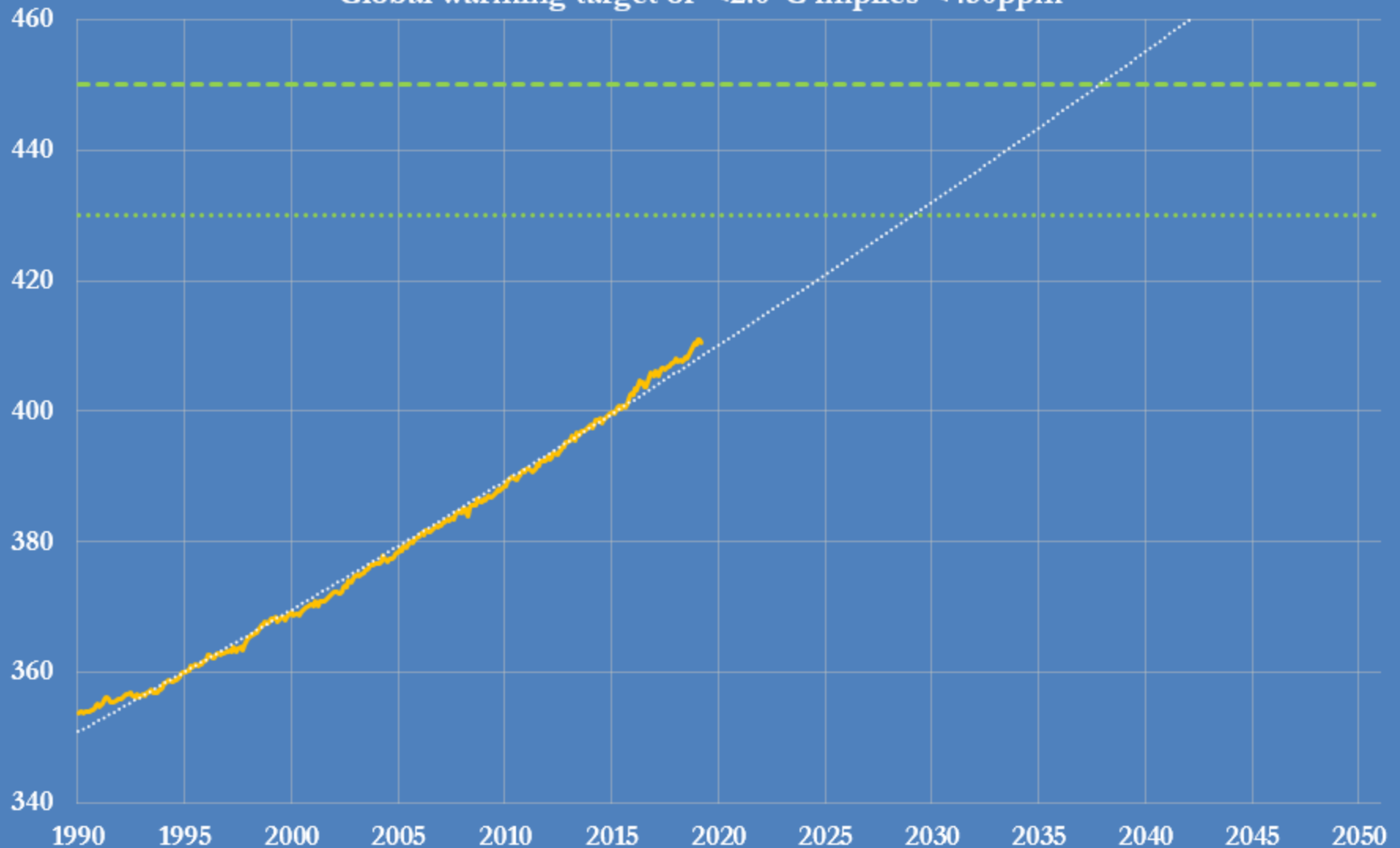
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Atmospheric CO₂ concentration, 1990-2019

Mauna Loa observatory, ppm, monthly, seasonally adjusted

Global warming target of <1.5°C implies <430ppm

Global warming target of <2.0°C implies <450ppm

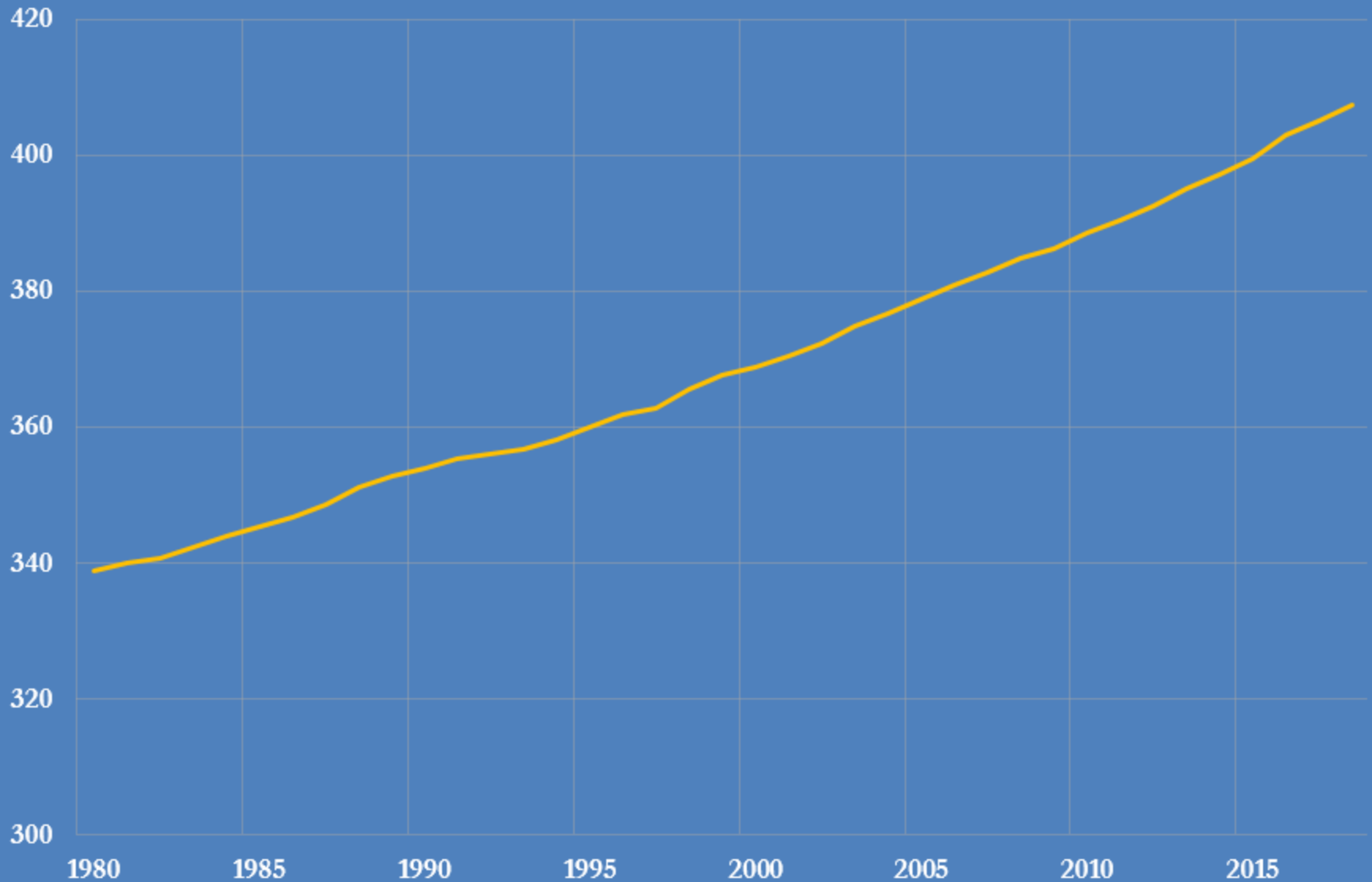


Source: Scripps Institution of Oceanography

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Atmospheric CO₂ concentration, 1980-2018

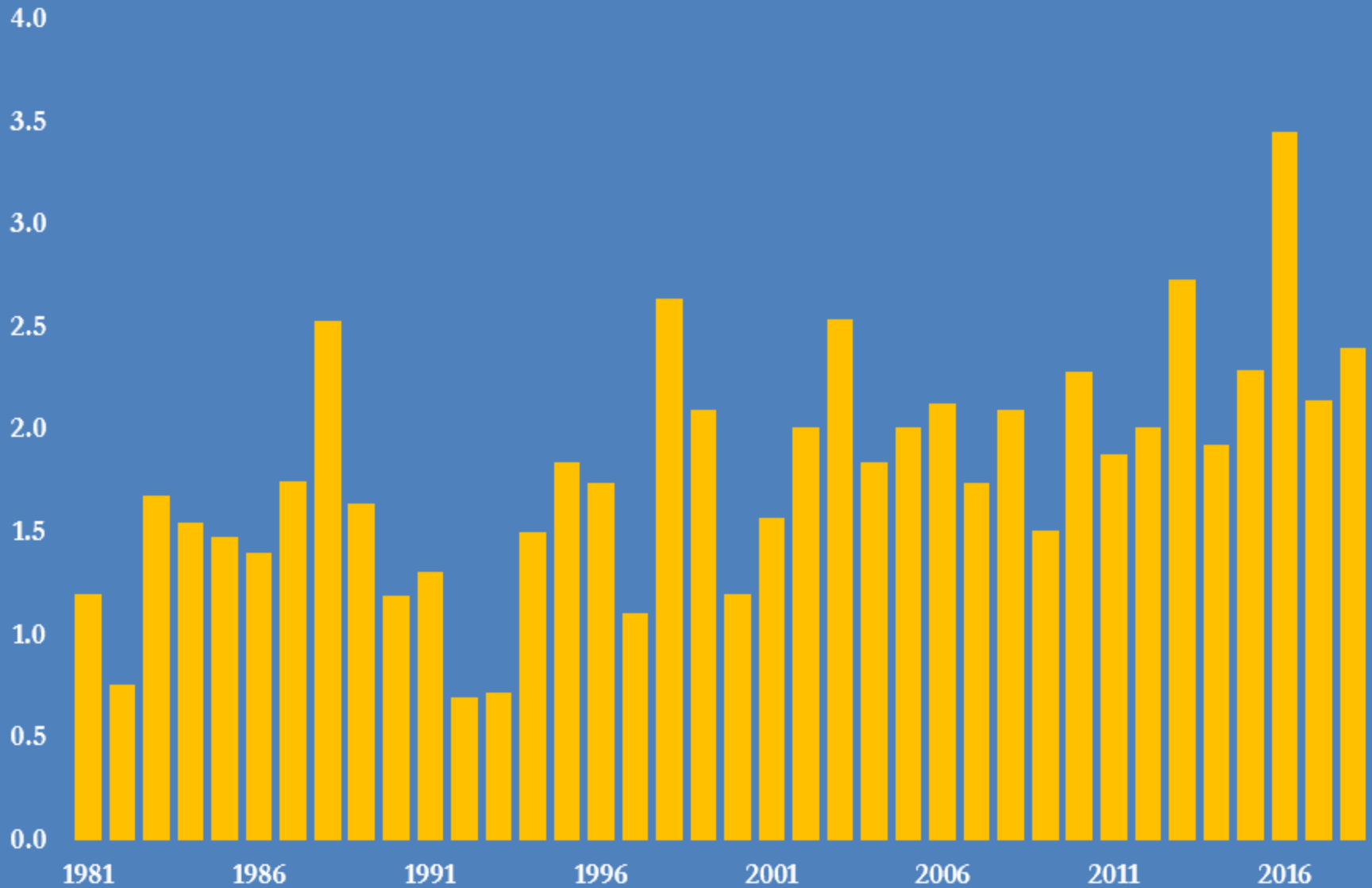
Global average marine surface, annual average, ppm



Source: U.S. National Oceanic and Atmospheric Administration, Earth System Research Laboratory
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Atmospheric CO₂ concentration, 1981-2018

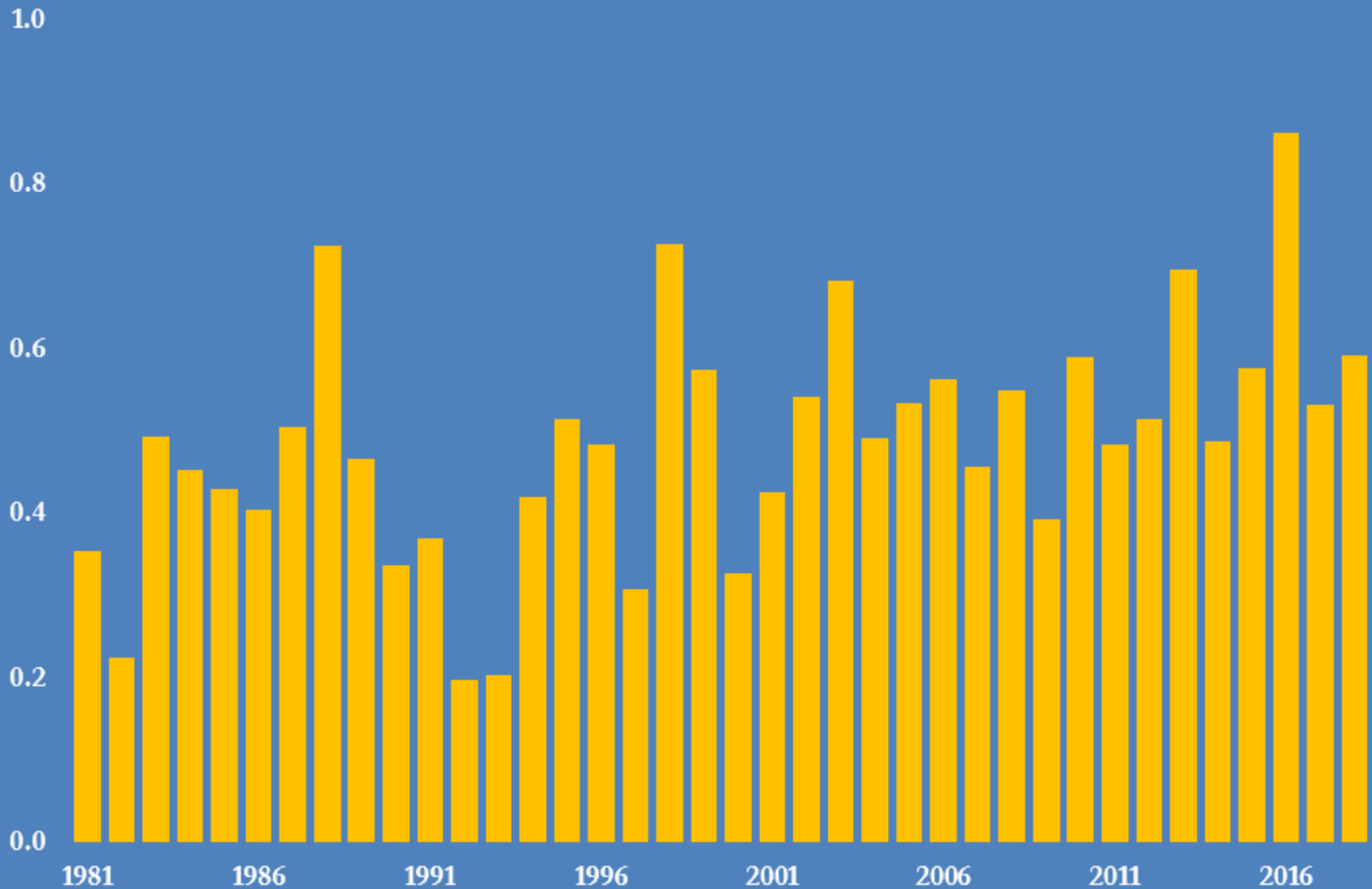
Global average marine surface, annual increase, ppm



Source: U.S. National Oceanic and Atmospheric Administration, Earth System Research Laboratory
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Atmospheric CO₂ concentration, 1981-2018

Global average marine surface, annual increase, percent



Source: U.S. National Oceanic and Atmospheric Administration, Earth System Research Laboratory
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