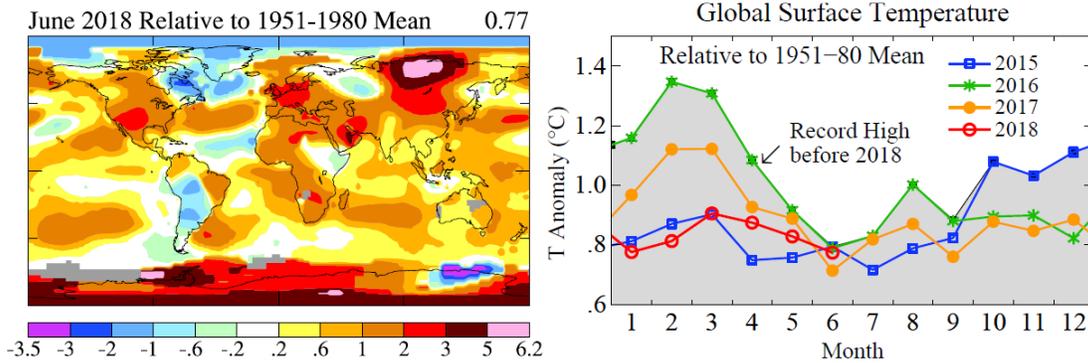


# June 2018 Global Temperature Update



Globally June 2018 was the third warmest June since reliable measurements began in 1880, 0.77°C warmer than the 1951-1980 mean. June 2018 temperature was +1.07°C relative to the 1880-1920 base period, which provides our best estimate of pre-industrial global temperature. 2015 and 2016 June anomalies were 0.80°C and 0.79°C, respectively, and 1998 tied with 2018 at 0.77°C.

The left side of the figure above shows the global distribution of June 2018 temperature, and the right side compares temperatures in the years 2015-2018 month by month. Note that temperature began rising in the latter part of 2015 as an El Nino was developing. That late 2015 warming led to record 2016 global heat. Some ocean models predict that an El Nino may develop later this year, in which case 2019 could be a very hot year. Historical precedence does not favor the occurrence of two strong El Ninos separated by only 3 years. On the other hand, the human hand may be altering history.

January-June this year was the 3<sup>rd</sup> warmest on record as shown below.

