

Phoenix Experiences Severe Early-Season Heat

By Don Sutherland

While Russia's unprovoked war against Ukraine and its people moves into its 110th day and the COVID-19 pandemic ebbs and flows with the emergence of each new variant of the coronavirus, anthropogenic warming remains locked in. The result is warming global temperatures, periodic extreme precipitation events, and increasingly frequent severe heatwaves.

During June 8-12, Phoenix experienced an early-season severe heatwave. The temperature soared as high as 114°. The City recorded its earliest 100° daily average temperature and 90° minimum temperature.

Table 1: June 8-12, 2022 Daily Temperatures

Date	High	Low
June 8	110°	84°
June 9	109°	84°
June 10	113°	87°
June 11	114°	90°
June 12	113°	87°

Key:



	Tied Record
	New Record

Table 2: Record High Minimum Temperatures

Date	Temperature	Prior Record
June 9	84°	83°, 2003, 2015 and 2016
June 10	87°	83°, 2014 and 2016
June 11	90°	85°, 2014
June 12	87°	85°, 1996

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

	Tied Record
	New Record

Table 3: Record High Maximum Temperatures

Date	Temperature	Prior Record
June 10	113°	111°, 1978
June 11	114°	1918
June 12	113°	112°, 1918, 1933, 1936, 1974 and 2019

Key:



	Tied Record
	New Record

Table 4: Additional Records

Record	Dates	Old Record
Earliest 90° low temperature	June 11	June 14, 2018
Earliest 2 consecutive low temperatures of 87° or above	June 10-11	June 13-14, 2018
Earliest 3 consecutive low temperatures of 87° or above	June 10-12	June 16-18, 2021
Earliest 100° mean temperature	June 10	June 15, 2021
Earliest 102° mean temperature	June 11	June 16, 2021
Earliest 2 consecutive 100.0° mean temperatures	June 10-11	June 15-16, 2021
Earliest 3 consecutive 100.0° mean temperatures	June 10-12	June 15-17, 2021

Highest 2-day average low temperature prior to June 15: 88.5°, June 10-11 and June 11-12 (tied record from June 13-14, 2018)
Highest 3-day average low temperature prior to June 15: 88.0°, June 10-12 (old record: 86.3°, June 13-15, 2018)
Highest 4-day average low temperature prior to June 15: 87.0°, June 9-12 (old record: 85.2°, June 2-5, 2020)
Highest 4-day average low temperature prior to June 15: 86.0°, June 8-12 (old record: 84.6°, June 1-5, 2020)
Highest 2-day mean temperature prior to June 15: 101.0°, June 10-11 (old record: 98.8°, June 13-14, 2018)
Highest 3-day mean temperature prior to June 15: 100.7°, June 10-12 (old record: 98.2°, June 7-9, 1985)
Highest 4-day mean temperature prior to June 15: 99.6°, June 9-12 (old record: 97.4°, June 7-10, 1985)
Highest 5-day mean temperature prior to June 15: 99.1°, June 8-12 (old record: 96.7°, June 7-11, 1985)