

Excessive Heat and Record Temperatures on June 23-24, 2022

Synopsis: A large mid to upper-level high pressure centered over the Southern Plains slowly shifted eastward toward the Southeast U.S. on Thursday June 23 and Friday June 24, 2022. At the surface, a weak area of high pressure was in place across the eastern Gulf of Mexico and the Florida peninsula. The surface ridge axis was located south of Central Florida, which produced weak southwest winds across the local area. The development of the east coast sea breeze was delayed each afternoon and this allowed temperatures to soar to the middle to upper 90s across much of east-central Florida. Combined with high humidity, peak heat index values well into the 100s were observed. Several daily record highs were tied or broken on June 23rd and June 24th.

The hottest temperatures occurred on Thursday June 23rd where many locations in northern Lake County and Volusia County reached temperatures of 100F-103F. Elsewhere in east-central Florida, afternoon temperatures reached the mid to upper 90s.

The highest heat index values occurred the following day, on Friday June 24th, where most areas observed heat indices of 105F-110F. **Excessive Heat occurred in Lake, Volusia, Orange, Seminole, Osceola, Okeechobee, and Brevard Counties, where heat indices reached 113F-117F.**

The Florida FAWN station at Pierson, EPRF1, measured a peak heat index value of 122F! This occurred as west winds brought very moist air off of Lake George causing dew points in Pierson to climb up to 83F, with an ambient temperature of 95F.

Max Temperatures From Official & Reliable Stations on Thursday June 23 and Friday June 24, 2022

Station Name	Max Temp June 23rd	Max Temp June 24th	Station ID	Provider
...Lake County...				
Sellers Lake	102F	99F	CRAF1	RAWS
Lake Co. Forestry Center	100F	100F	TT686	RAWS
Clermont	100F	100F	CLRF1	COOP
Paisley	99F	98F	T959	RAWS
Lisbon	97F	98F	LSBF1	COOP
Mt. Plymouth	96F	97F	PLTF1	COOP
Umatilla	96F	96F	UMLF1	FAWN
Leesburg Intl Airport	95F	96F	KLEE	ASOS
Okahumpka	94F	96F	KHPF1	FAWN
...Volusia County...				
Lake George	103F	99F	LGRF1	RAWS
Daytona Beach Intl Airport	101F	97F	KDAB	ASOS
Ponce Inlet	101F	94F	PONF1	COOP
Lake Woodruff	100F	97F	LWQF1	RAWS
Pierson	100F	99F	EPRF1	FAWN
Daytona Beach WTP	99F	93F	DIAF1	COOP
Ormond Municipal Airport	99F	93F	KOMN	AWOS
New Smyrna Beach Airport	99F	93F	KEVB	AWOS
DeLand Airport	96F	97F	KDED	AWOS
DeLand WTP	94F	96F	DELFI	COOP

Station Name	Max Temp June 23rd	Max Temp June 24th	Station ID	Provider
...Seminole County...				
Sanford WTP	98F	97F	SFNF1	COOP
Sanford Intl Airport	97F	97F	KSFB	ASOS
...Orange County...				
Windermere	100F	100F	ORWF1	COOP
Orlando Intl Airport	99F	99F	KMCO	ASOS
Orlando Exec Airport	98F	98F	KORL	ASOS
Avalon	98F	98F	VLNF1	FAWN
Apopka	95F	95F	POPF1	FAWN
...Osceola County...				
Kenansville	97F	99F	KNVF1	FAWN
Kissimmee WTP	97F	99F	KSSF1	COOP
Kissimmee Gateway	96F	97F	KISM	AWOS
Kenansville - Lake Marian	95F	98F	KENF1	COOP
...Brevard County...				
USSF WINDS Tower	100F	98F	T0805	USSF
Scottsmoor	99F	96F	SCMF1	COOP
Merritt Island NWR	98F	96F	MRFF1	RAWS
Titusville WTP	98F	94F	TITF1	COOP
Melbourne Intl Airport	96F	97F	KMLB	ASOS
NWS Melbourne	96F	96F	MLBF1	COOP
Palm Bay	95F	99F	PLBF1	COOP
Patrick SFS	95F	94F	KCOF	AWOS
...Okeechobee County...				
Kissimmee Prairie SP	96F	100F	KPPF1	COOP
Okeechobee	92F	96F	OKSF1	FAWN
Okeechobee Co. Airport	91F	96F	KOBE	AWOS
...Indian River County...				
Vero Beach Airport	94F	98F	KVRB	ASOS
Sebastian Muni Airport	93F	95F	KX26	AWOS
Vero Beach WTP	92F	96F	VRBF1	COOP
...Saint Lucie County...				
Saint Lucie West	94F	97F	SLWF1	FAWN
Fort Pierce	92F	97F	PCEF1	FAWN
Fort Pierce WTP	92F	97F	FPCF1	COOP
Treasure Coast Intl Airport	92F	93F	KFPR	ASOS
Nettles Island	90F	95F	NETF1	COOP
...Martin County...				
Port Salerno	92F	93F	PTSF1	COOP
Stuart	91F	96F	STRF1	COOP

Peak Heat Indices on Friday, June 24, 2022

Station Name	Peak Heat Index	Station ID	Provider
...Lake County...			
Sellers Lake	117F	CRAF1	RAWS
Paisley	117F	T959	RAWS
Lake Co. Forestry Center	116F	TT686	RAWS
Umatilla	115F	UMLF1	FAWN
Okahumpka	114F	KHPF1	FAWN
Leesburg Intl Airport	113F	KLEE	ASOS
...Volusia County...			
Pierson	122F	EPRF1	FAWN
Lake George	115F	LGRF1	RAWS
Lake Woodruff	115F	LWQF1	RAWS
Ormond Municipal Airport	113F	KOMN	AWOS
New Smyrna Beach Airport	113F	KEVB	AWOS
Daytona Beach Intl Airport	110F	KDAB	ASOS
DeLand Airport	109F	KDED	AWOS
...Seminole County...			
Sanford Intl Airport	113F	KSFB	ASOS
...Orange County...			
Apopka	113F	POPF1	FAWN
Avalon	113F	VLNF1	FAWN
Orlando Exec Airport	109F	KORL	ASOS
Orlando Intl Airport	108F	KMCO	ASOS
...Osceola County...			
Kenansville	113F	KNVF1	FAWN
Kissimmee Gateway	110F	KISM	AWOS
...Brevard County...			
Merritt Island NWR	115F	MRFF1	RAWS
Patrick SFS	107F	KCOF	AWOS
Melbourne Intl Airport	104F	KMLB	ASOS
...Okeechobee County...			
Okeechobee Co. Airport	115F	KOBE	AWOS
Okeechobee	107F	OKSF1	FAWN
...Indian River County...			
Sebastian Muni Airport	108F	KX26	AWOS
Vero Beach Airport	107F	KVRB	ASOS
...Saint Lucie County...			
Saint Lucie West	111F	SLWF1	FAWN
Fort Pierce	109F	PCEF1	FAWN

Temperature Records Broken or Tied

June 23rd Daily Records

Daytona Beach New Record High - 101F*
Previous Record High - 100F (1944)

Vero Beach Tied Record High - 94F
Previous Record - 94F (2020)

Orlando Tied Record High - 99F
Previous Record - 99F (1939)

Vero Beach Set Record Low - 65F
Previous Record - 68F (1977)

Melbourne Tied Record High - 96F
Previous Record - 96F (1998)

Fort Pierce Set Record Low - 64F
Previous Record - 65F (1995)

*The last time Daytona Beach reached 101F was on June 16, 1998. This was one degree shy of tying the all-time record high at Daytona Beach of 102F, which occurred on July 15, 1981 and June 24, 1944.

June 24th Daily Records

Vero Beach Tied Record High - 98F
Previous Record - 98F (1944)