

2023 U.S. Climate Normals Update: Version 1.0.1

Version 1.0.1 reflects changes in the daily, monthly, seasonal, and annual normals at a total of 23 stations. Hourly and agricultural normals remain unchanged.

During the year following the initial release of the 1991–2020 station-based U.S. Climate Normals in May 2021, National Weather Service Forecast Offices submitted inquiries regarding the Normals at 60 total stations. Staff at NCEI carefully adjudicated each inquiry in collaboration with its NWS partners. At 21 stations, NWS staff was able to provide data additions and corrections, and NCEI staff recalculated or added the affected normals parameters based on the updated data records. In most cases, changes in the monthly normals were <0.5°C for temperature, <0.1 in for precipitation, and <0.5 in for snowfall. At two additional sites, certain normals parameters were removed because they were judged to be inaccurate, and no correction to the underlying data was feasible. The following stations were affected by changes in one or more of their Normals parameters:

State	GHCNd Station ID	Station Name	Adjustment
AK	USC00507141	PELICAN	
AK	USC00508584	SNETTISHAM PWR PLT	
CA	USW00003171	RIVERSIDE MUNI AP	
CA	USW00023119	MARCH AFB	
CO	USC00052196	DELTA 3E	
CO	USW00023061	ALAMOSA-BERGMA N FLD	
FL	USW00012838	MELBOURNE INTL AP	
ND	USC00323621	GRAND FORKS UNIV (NWS)	Recalculated temp
NJ	USC00286864	PENNSAUKEN 1N	
NJ	USW00014792	TRENTON-MERCER -AP	

State	GHCNd Station ID	Station Name	Adjustment
KY	USW00093808	BOWLING GREEN WARREN CO AP	
MI	USW00014858	HANCOCK HOUGHTON CO AP	
MS	USW00003940	JACKSON INTL AP	
NY	USC00300093	ALLEGANY SP	
NY	USC00303087	FULTON	
NY	USC00306376	PALERMO 2SSE	
NY	USC00306525	PERRYSBURG	
OR	USW00024229	PORTLAND INTL AP	
TX	USW00022010	DEL RIO INTL AP	
AS	AQW00061705	PAGO PAGO WSO AP	Recalculated temp
FM	FMW00040505	CHUUK WSO AP	Recalculated temp
GU	GQW00041415	GUAM INTL AP	Recalculated temp
MH	RMW00040710	MAJURO WBAS AP	Recalculated temp