

Weekly Climate Summary: 6/16/2024-6/22/2024

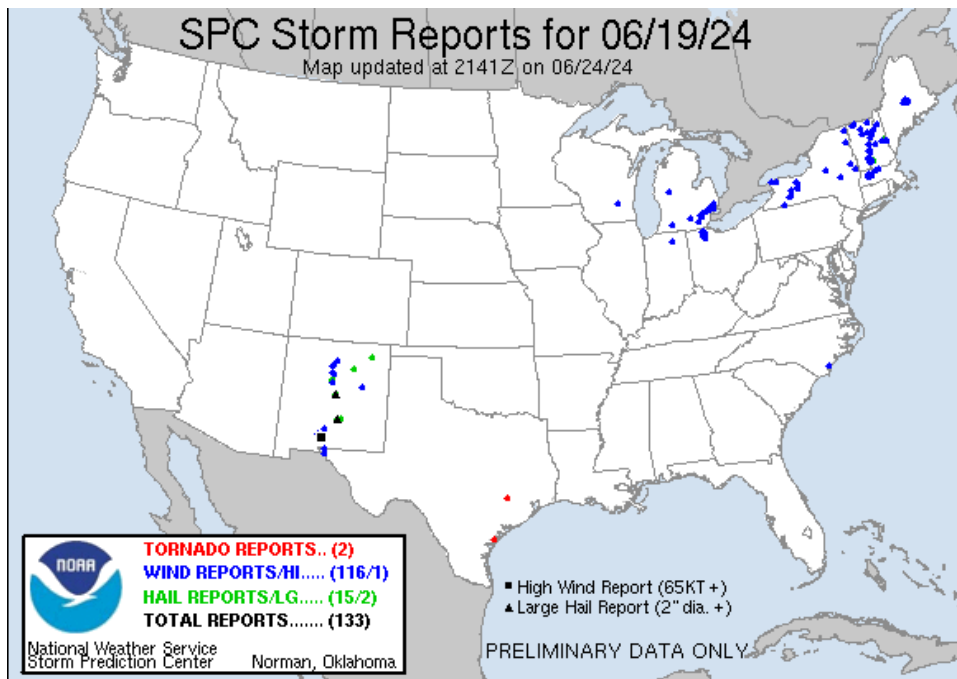
I. Climate in the News:

The week of June 16-22 was mainly quiet from a weather standpoint. Exceptions to this rule were the impacts from tropical storm Alberto and the spotty severe weather seen across the Texas Panhandle and the Trans Pecos region. The week of June 16-22 saw three days in which severe thunderstorms rumbled across parts of the state. A total of 11 severe weather reports were received by the storm prediction center with four wind reports and five hail reports. Two tornados were observed associated with the outer bands of tropical storm Alberto. The extremes in severe weather for the week were the following:

Largest Hail- 1.75" in Pecos County on June 17

Strongest measured wind gust- 58 mph in Pecos County on June 17

Strongest tornado- EF1 with peak estimated winds of 100 mph in Austin County on June 19



Map showing the severe weather day in which two tornados affected Texas due to the outer bands of tropical storm Alberto. Image courtesy of the Storm Prediction Center.

II. Weather Synopsis:

Most of the active weather across Texas in the week of June 16-22 can be attributed to the impacts of tropical storm Alberto. This tropical storm began as an area of thunderstorms in the Yucatan Peninsula and later intensified to a tropical storm with peak one-minute sustained winds at 50 mph. The storm meandered to the west and made landfall in eastern Mexico. The track was further south than originally expected, leading to less rainfall across much of Texas that was slated to receive several inches of rain. Despite its relatively distant range, its large expanse of strong winds and its outer bands still pummeled southern Texas, specifically, near the Rio Grande Valley.



Map showing the path of tropical storm Alberto. Its large expanse of winds still managed to bring wind gusts over 50 mph to parts of Texas as well as a few inches of rain. Two tornados associated with the storm's outer bands were also seen. Image courtesy of Wikipedia

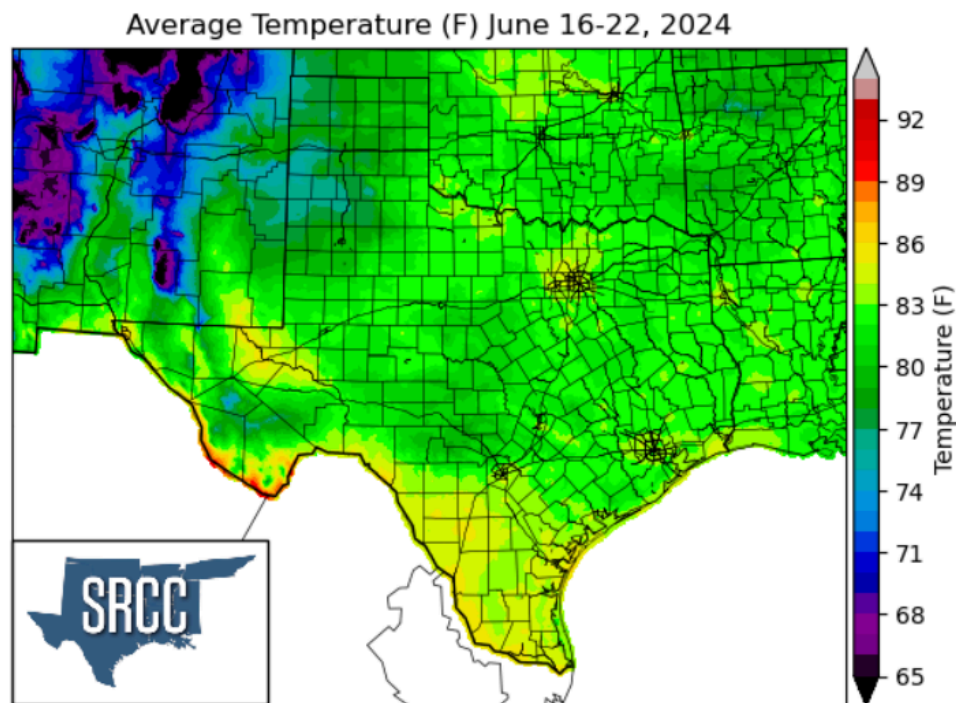
Jun 20, 11:53 pm	84	78	82	95	E	15G22	10.00	SCT031	1014.50	29.94	29.96								
Jun 20, 10:53 pm	84	78	82	95	E	16	10.00	FEW023 BKN035 BKN042	1014.40	29.94	29.96								
Jun 20, 9:53 pm	84	78	82	95	E	15G25	10.00	FEW027 OVC036	1013.70	29.92	29.94	T	T						
Jun 20, 8:53 pm	85	78	80	97	E	15G25	10.00	FEW024 SCT036 OVC046	1012.90	29.90	29.92	T							
Jun 20, 7:53 pm	86	78	77	98	E	17G30	10.00	SCT023 BKN031	1012.00	29.87	29.89								
Jun 20, 6:53 pm	87	77	72	99	E	22G36	10.00	FEW021 SCT028 SCT035	1011.30	29.85	29.87			T		92	86		
Jun 20, 5:53 pm	89	78	70	103	E	22G29	10.00	BKN025 BKN032	1011.00	29.84	29.86	T							
Jun 20, 4:53 pm	89	78	70	103	E	25G38	10.00	SCT023 BKN029 OVC070	1011.40	29.85	29.87								
Jun 20, 3:53 pm	92	77	62	106	ESE	25G40	10.00	FEW027 BKN034	1011.40	29.85	29.87			T					
Jun 20, 2:53 pm	89	78	70	103	E	28G43	10.00	SCT025 BKN036 BKN050	1011.50	29.86	29.88								
Jun 20, 1:53 pm	90	79	70	106	E	24G37	10.00	BKN024 BKN034 OVC046	1011.30	29.85	29.87	T							
Jun 20, 12:53 pm	86	82	88	104	E	20G35	9.00	FEW021 SCT028 BKN038	1011.50	29.85	29.87			0.01	0.01	92	80		
Jun 20, 11:53 am	92	80	69	111	E	25G37	10.00	SCT024 BKN036	1011.30	29.85	29.87								
Jun 20, 10:53 am	89	79	72	105	E	22G38	10.00	BKN023 BKN034	1010.90	29.84	29.86								
Jun 20, 9:53 am	88	79	75	103	E	26G36	10.00	BKN023 OVC032	1010.00	29.81	29.83								
Jun 20, 8:53 am	87	80	80	103	E	22G30	10.00	SCT023 BKN028 OVC034	1009.20	29.79	29.81								
Jun 20, 7:53 am	82	80	94	94	E	10G20	10.00	FEW019 BKN024 OVC048	1008.40	29.76	29.78								
Jun 20, 6:53 am	80	78	94	88	E	13G29	9.00	FEW022 SCT110	1007.50	29.74	29.76	0.09	0.14	1.74	85	79			
Jun 20, 5:53 am	83	78	85	93	E	21G33	10.00	SCT024 OVC030	1006.50	29.71	29.73								
Jun 20, 4:53 am	84	79	85	96	E	18G30	10.00	FEW019 BKN024	1006.00	29.69	29.71								
Jun 20, 3:53 am	83	79	88	94	E	17G29	10.00	FEW022 SCT026 OVC090	1005.90	29.69	29.71	0.05	0.05						
Jun 20, 2:53 am	85	79	83	98	E	15G32	10.00	BKN024 OVC036	1005.90	29.69	29.71								
Jun 20, 1:53 am	83	80	91	95	ENE	17G36	10.00	BKN022 OVC028	1006.00	29.69	29.71								
Jun 20, 12:53 am	82	80	94	94	E	17G31	10.00	OVC024	1006.20	29.70	29.72	0.01	0.59						
Jun 19, 11:53 pm	81	79	94	90	E	10G21	6.00	BKN023 OVC030	1006.20	29.70	29.72	0.51							
Jun 19, 11:22 pm	81	78	91	89	E	28G51	1.75	FEW012 BKN019 OVC070	29.70	29.72	0.29								
Jun 19, 10:53 pm	83	79	88	94	ENE	20G33	10.00	FEW042 OVC065	1005.40	29.67	29.69	T							
Jun 19, 9:53 pm	83	80	91	95	ENE	18G31	10.00	FEW017 SCT040 BKN055	1004.40	29.65	29.67	0.06	0.07						
Jun 19, 8:53 pm	82	80	94	94	ENE	17G29	10.00	FEW025 BKN030 OVC047	1004.20	29.64	29.66								
Jun 19, 7:53 pm					ENE	13G23	10.00	SCT022 BKN047 OVC070	1003.70	29.62	29.64	0.01							
Jun 19, 6:53 pm	81	79	94	90	ENE	18G36	5.00	SCT015 BKN039 OVC065	1003.40	29.62	29.64	0.16	0.64						
Jun 19, 5:53 pm	82	80	94	94	NE	16G25	10.00	FEW028 SCT060	1003.60	29.62	29.64	0.02							
Jun 19, 4:53 pm	83	81	94	97	ENE	14G24	10.00	FEW019 FEW024 BKN029	1003.90	29.63	29.65	0.01							
Jun 19, 3:53 pm	81	77	88	88	NE	13G23	4.00	FEW014 BKN032 OVC060	1004.30	29.64	29.66	0.27	0.45						
Jun 19, 2:53 pm	82	81	97	95	ENE	10G20	10.00	FEW011 BKN038 OVC090	1004.30	29.64	29.66	0.15							
Jun 19, 1:51 pm	83	81	94	97	NE	16G26	3.00	BKN014 OVC019	1004.60	29.65	29.67	0.03							
Jun 19, 12:53 pm	83	81	94	97	NNE	12G23	6.00	FEW016 BKN024 OVC044	1004.50	29.65	29.67	T	0.37						
Jun 19, 11:53 am	82	80	94	94	NNE	13G23	6.00	FEW012 BKN026 OVC036	1005.20	29.67	29.69	0.02							
Jun 19, 10:53 am	81	79	94	90	NNE	8	7.00	FEW008 BKN020 OVC075	1004.90	29.66	29.68	0.25							

Hourly weather observations from Brownsville, Tx between 10:53 am on June 19, 2024 and 11:53 pm on June 20, 2024. Strong winds associated with Alberto can be noted throughout the time period. The strongest gust recorded at this station was 56 mph at 6:02 am on June 20, 2024. Observations courtesy of NOAA's Time Series Viewer.

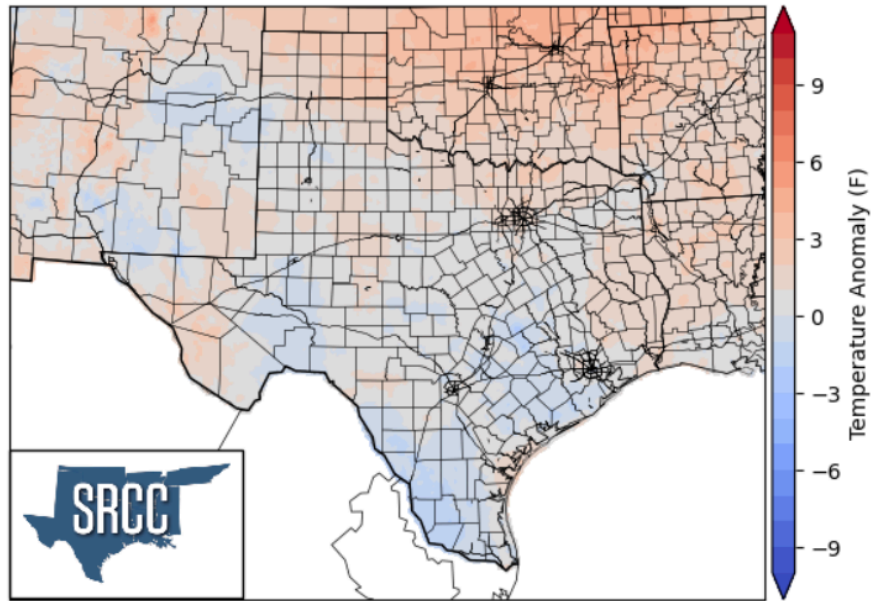
III. Temperature:

Temperatures across the state were highly influenced by precipitation patterns. Areas that remained dry generally saw average temperatures between 1 and 3°F above normal while rain-cooled areas saw average temperatures between 1 and 3°F below normal. Average temperatures across the state were generally between 75°F and 93°F, with the coolest station being *well* below the lower value, due mostly to its higher elevation.

- The Guadalupe Peak Texas RAWS station in Culberson County saw the lowest weekly average at 67.4°F
- The Castolon Co-op site in Brewster County saw the highest weekly average at 92.6°F



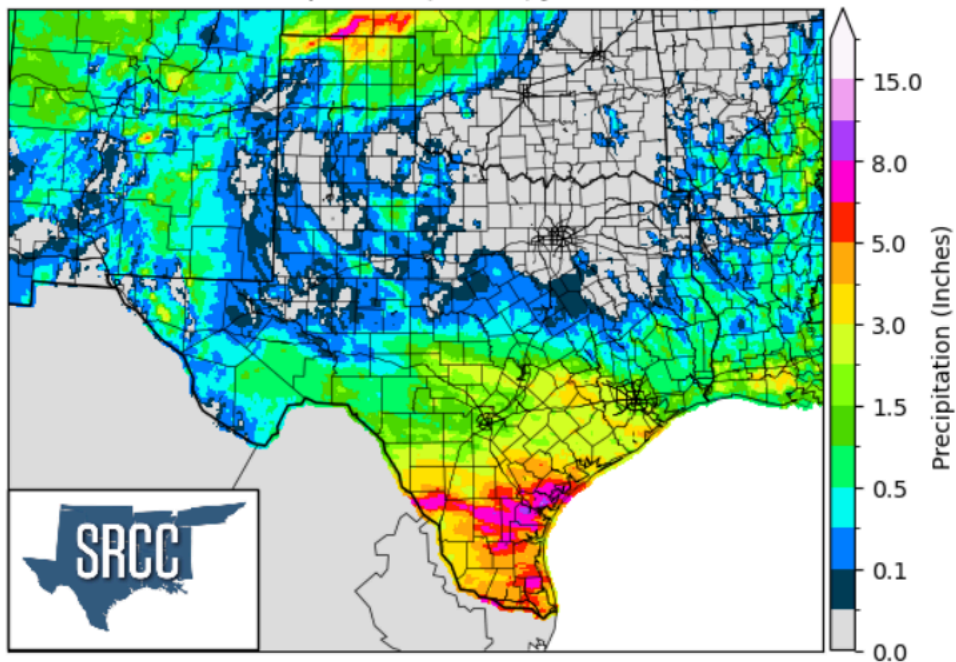
Mean Temperature Anomaly (F) June 16-22, 2024 vs 1991-2020 Normals



IV. Precipitation

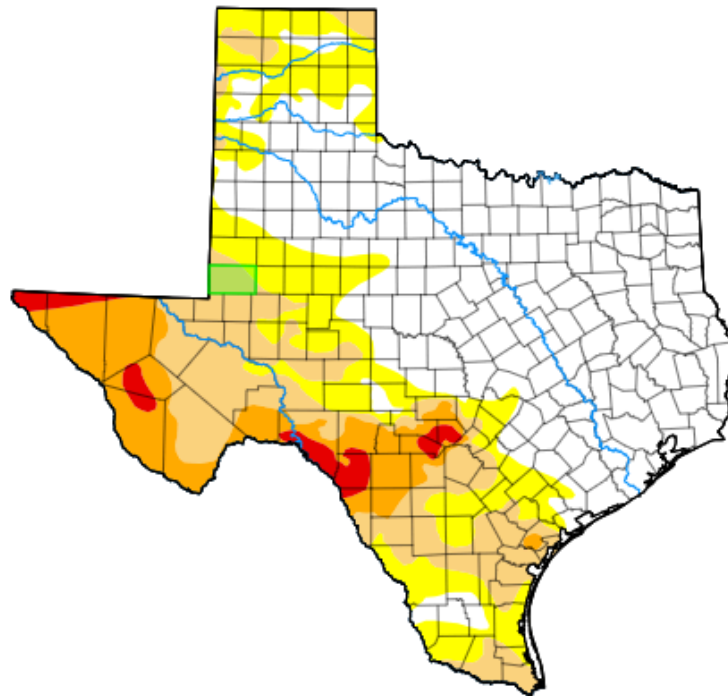
The heaviest precipitation was in Southern Texas due to tropical storm Alberto. The northern reaches of the Texas Panhandle also tapped into some precipitation from summertime thunderstorms. Tropical storm Alberto is responsible for some of the precipitation totals of 4-6 inches in deep south Texas, with some isolated spots seeing totals over 7 inches.

Accumulated Precipitation (Inches) June 16-22, 2024



The drought monitor for Texas looks identical to the week prior, however, the cutoff for rainfall data is June 18, 2024, before most of the rain associated with tropical storm Alberto can be accounted for.

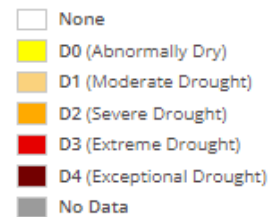
Texas



Map released: Thurs. June 20, 2024

Data valid: June 18, 2024 at 8 a.m. EDT

Intensity



Authors

United States and Puerto Rico Author(s):

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[Rocky Bilotta](#), NOAA/NCEI

V. Statewide extremes

- The hottest recorded temperature of the week was **115°F** at the Rio Grande Village Co-op site in Brewster County on June 17, 2024
- The coldest recorded temperature of the week was 55°F at the Guadalupe Peak Texas RAWS site in Culberson County on June 20, 2024
- The most precipitation recorded in the week of June 16-22, 2024 was 7.84" at the Robstown 4.9 NNW CoCoRaHS station in Nueces County
- The rainiest day at any site across the State of Texas was June 20, 2024 where **6.79"** of rain was reported at the Welder Wildlife Foundation Co-op site in San Patricio County.