

## Weekly Weather Update

#### 2:30 PM CST Thursday, December 16, 2021

Alex Donato, NWS Lake Charles





# **TOP STORY:**

Dense fog expected for southern areas tonight into Friday morning. A cold front will arrive Saturday with showers and thunderstorms expected. Much cooler temperatures will be expected post frontal.

	Low Temperatures	High Temperatures	Chance For Rain	
Friday	65-68 F	78-81 F	10-15%	
Saturday	63-67 F	69-78 F	80-90%	
Sunday	41-49 F	53-59 F	10%	
Monday	36-43 F	51-59 F	45-60%	
Tuesday	38-44 F	59-62 F	<10%	
Wednesday	37-44 F	64-67 F	<10%	
Thursday	44-52 F	70-74 F	<10%	
Normals This Time of Year	37-44 F	60-64 F	30%-45%	



#### Rainfall in the Past Week



Modest amounts of precipitation were seen this past week, mostly due to the frontal system that passed last weekend.





#### **River Forecasts**



No rivers are currently in flood. There will be a Marginal Risk of minor flooding this weekend with a cold front passing through the area.





#### **Upper Level Steering Patterns**





High pressure is present towards the northeast with a low pressure system towards the northwest.



#### Surface Weather Map with Fronts



#### The frontal boundary that is currently towards the northwest will be reaching us on Saturday.





#### 6 am Weather Observations



Some showers were present over northwestern parts of the area with significant cloud cover and dense fog for southern areas. Temperatures were in the upper 60s and low 70s with southeasterly winds at 5 to 10 MPH.





#### 2 pm Weather Observations



Some showers and thunderstorms are over the area. Temperatures are near 80 with southerly winds at 10 to 15 MPH.







#### Friday, December 17, 2021



NWS LCH REGIONAL WEATHER				
Low Temperature	65-68 F	102		
High Temperature	78-81 F			
Wind	SSE 5-15 mph			
Rain Chances	10-15%			
Weather Hazards	Thunderstorms			





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#### Saturday, December 18, 2021



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NWS LCH REGIC	ONAL WEATHER	
Low Temperature	63-67 F	H 1043 1036 1049
High Temperature	69-78 F	
Wind	S 5-10 mph	
Rain Chances	80-90%	1028
Weather Hazards	Thunderstorms	
		NDFD Rain (Chance) NDFD Rain (Likely) NDFD Snow (Chance) NDFD Snow (Chance) NDFD Snow (Chance) NDFD Mix (Chance) NDFD Mix (Likely) NDFD Ice (Chance) NDFD Ice (Chance) NDFD Ice (Chance) (Hatchell) NDFD T-Storm (Likely and/or Severe) NDFD T-Storm (Likely and/or Severe)

Forecaster: ZIEGENFELDER

3:16 PM Thursday, December 16, 2021





### WPC Excessive Rainfall Outlook



The Weather Prediction Center has part of our area in a Marginal Risk of Excessive Rainfall Saturday morning through Sunday morning.





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#### Sunday, December 19, 2021



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	ONAL WEATHER
	41-49 F
Low Temperature	53-59 F
High Temperature	
Wind	NNE 10-15 mph
Rain Chances	10%
Weather Hazards	Showers

3:16 PM Thursday, December 16, 2021



WPC Snow (likely)

WPC Ice (chan



rm (Chance) (Hatched)

WPC Fronts and Weather Type Issued: 1645Z Thursday December 16 2021 Valid 12Z Sunday December 19, 2021

Forecaster: SANTORELLI

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#### Monday, December 20, 2021



NWS LCH REGIO	ONAL WEATHER
Low Temperature	36-43 F
High Temperature	51-59 F
Wind	NNE 5 mph
Rain Chances	45-60%
Weather Hazards	Rain

WPC Rain (chance) WPC Rain (likely) WPC Snow (chance) WPC Snow (likely)

PC Ice (chance

WPC T-storm (Chance) (Hatched)

WPC Fronts and Weather Type

Forecaster: SANTORELLI

Issued: 1645Z Thursday December 16 2021 Valid 12Z Monday December 20, 2021

#### Tuesday, December 21, 2021



	ONAL WEATHER	
Low Temperature	38-44 F	1029
High Temperature	59-62 F	
Wind	N 5-10 mph	1024 1024
Rain Chances	<10%	1076
Weather Hazards	None	H // // //
		WPC Rain (chance) WPC Rain (likely) WPC Snow (chance)

WPC Fronts and Weather Type Issued: 1645Z Thursday December 16 2021 Valid 12Z Tuesday December 21, 2021 WPC T-storm (Chance) (Hatched) 25 Forecaster: SANTORELLI

3:16 PM Thursday, December 16, 2021



WPC Snow (likely)

WPC Ice (likely)



#### Wednesday, December 22, 2021



H WPC Rain (chance) 18,16 WPC Rain (likely)
WPC Snow (chance)         WPC Snow (likely)         WPC Ice (chance)         WPC Ice (likely)         WPC T-storm (Chance) (Hatched)         WPC T-storm (Chance) (Hatched)

#### NWS LCH REGIONAL WEATHER

Low Temperature	37-44 F		
High Temperature	64-67 F		
Wind	S 0-5 mph		
Rain Chances	<10%		
Weather Hazards	None		



#### Thursday, December 23, 2021



WPC Fronts and Weather Type

Forecaster: SANTORELLI

Issued: 1645Z Thursday December 16 2021

Valid 12Z Thursday December 23, 2021

NWS LCH REGIC	NAL WEATHER
Low Temperature	44-52 F
High Temperature	70-74 F
Wind	SW 5-10 mph
Rain Chances	<10%
Weather Hazards	None



WPC T-storm (Chance) (Hatched)

WPC Ice (chance)

WPC Ice (likely)

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Color Codes Except for Temperatures	Weather	Friday 12/17/21	Saturday 12/18/21	Sunday 12/19/21	Monday 12/20/21	Tuesday 12/21/21	Wednesday 12/22/21	Thursday 12/23/21
Yellow = Low Threat								
Orange = Moderate Threat	Rain Total	0.10-0.25"	1.0-2.0"	<0.10"	0.25-0.50"	None	None	None
Red = High Threat	T-Storm/ Lightning	Isolated	Numerous					
Color Codes	Tornado/Hail/ Dmg Wind	None						
For Temperatures Yellow=5 F above normal	Wind	SSE 5-15 mph	S 5-10 mph	NNE 10-15 mph	NNE 5 mph	N 5-10 mph	S 0-5 mph	SW 5-10 mph
Orange=10 F above normal Red=15 F above normal	Tides	Above Normal						
Vry Lt Blue=5 F below normal	Wave Height	Near: 1-3 ft Off: 3-4 ft	Near: 1-3 ft Off: 3-4 ft	Near: 1-4 ft Off: 5-6 ft	Near: 1-3 ft Off: 4-5 ft	Near: 1-3 ft Off: 3-4 ft	Near: 1-2 ft Off: 3-4 ft	Near: 1-3 ft Off: 3-4 ft
Lt Blue=10 F below normal	Temperature	Low: 65-68 F	Low: 63-67 F	Low: 41-49 F	Low: 36-43 F	Low: 38-44 F	Low: 37-44 F	Low: 44-52 F
Blue=15 F below normal	Normal Low: 37-44 F Normal High: 60-64 F	High: 78-81 F	High: 69-78 F	High: 53-59 F	High: 51-59 F	High: 59-62 F	High: 64-67 F	High: 70-74 F





- Dense fog will be expected for southern areas tonight into Friday morning.
- A cold front will arrive Saturday with showers and thunderstorms. Marginal Risk of minor flooding.
- Much cooler weather expected post frontal.
- Possible overnight/morning fog next week.





