

Site ID	Site Name	Latitude	Longitude	County (based on station only)	State (based on station only)	Land (L or Marine (M))	Observing Station	Antenna	Average ¹ Period (min)	Max Sustained Wind (mph)	Direction of Max Sustained Wind (deg)	Max Wind - Gust (mph)	Max Wind - Day (mph)	Max Wind - Month (mph)	Max Wind - Year (mph)	Max Gust (feet)	Direction of Max Gust (deg)	Max Gust - Year (mph)	Max Gust - Day (mph)	Max Gust - Month (mph)	Max Gust - Year (mph)	Min Pressure (in)	Min Pressure - Year (in)	Min Pressure - Day (in)	Min Pressure - Month (in)	Min Pressure - Year (in)	Comment (I = Incomplete data; E = Estimated)	Variable that is Incomplete or Estimated: S - Sustained wind, G - Gust, P - pressure, or A - all	
KMRN	Mobile Regional Airport	30.6883	-88.2456	Mobile	AL	L	AWOS	10.0	2	28.7	090	0418	12	09	2024	48.2	070	070	070	070	070	30.0	30.0	30.0	30.0	30.0			
KBMF	Mobile Downtown Airport	30.6139	-88.0313	Mobile	AL	L	AWOS	10.0	2	28.7	090	0418	12	09	2024	48.2	070	070	070	070	070	30.0	30.0	30.0	30.0	30.0			
KDCA	Gulf Shores Airport	30.2890	-87.5738	Baldwin	AL	L	AWOS	10.0	2	28.7	090	0418	12	09	2024	48.2	070	070	070	070	070	30.0	30.0	30.0	30.0	30.0			
KCOF	Scotty Callahan Airport	30.2700	-87.8720	Baldwin	AL	L	AWOS	10.0	2	28.7	090	0418	12	09	2024	48.2	070	070	070	070	070	30.0	30.0	30.0	30.0	30.0			
K188	Bay Minette	30.8703	-87.8335	Baldwin	AL	L	AWOS	10.0	2	28.7	090	0418	12	09	2024	48.2	070	070	070	070	070	30.0	30.0	30.0	30.0	30.0			
KYCS	Pensacola International Airport	30.4788	-87.1869	FL	AL	L	AWOS	10.0	2	28.7	090	0418	12	09	2024	48.2	070	070	070	070	070	30.0	30.0	30.0	30.0	30.0			
KNPA	NAS Pensacola	30.3564	-87.3233	Escambia	FL	L	AWOS	10.0	2	28.7	090	0418	12	09	2024	48.2	070	070	070	070	070	30.0	30.0	30.0	30.0	30.0			
KNSE	Whiting Field	30.6972	-87.0207	FL	AL	L	AWOS	10.0	2	28.7	090	0418	12	09	2024	48.2	070	070	070	070	070	30.0	30.0	30.0	30.0	30.0			
KNEE	Whiting Field N	30.7285	-87.0219	FL	AL	L	AWOS	10.0	2	28.7	090	0418	12	09	2024	48.2	070	070	070	070	070	30.0	30.0	30.0	30.0	30.0			
KNEI	Hurler Field	30.4187	-86.8313	Oklahoma	FL	L	AWOS	10.0	2	28.7	090	0418	12	09	2024	48.2	070	070	070	070	070	30.0	30.0	30.0	30.0	30.0			
KVPS	Edinburg	30.4833	-86.5387	FL	AL	L	AWOS	10.0	2	28.7	090	0418	12	09	2024	48.2	070	070	070	070	070	30.0	30.0	30.0	30.0	30.0			
KKST	Duba Field	30.5500	-86.5387	Oklahoma	FL	L	AWOS	10.0	2	28.7	090	0418	12	09	2024	48.2	070	070	070	070	070	30.0	30.0	30.0	30.0	30.0			
KDTS	Dunwoody	30.9383	-86.6975	FL	AL	L	AWOS	10.0	2	28.7	090	0418	12	09	2024	48.2	070	070	070	070	070	30.0	30.0	30.0	30.0	30.0			
KDWW	Crestview Bob Sikes Airport	30.7722	-86.5134	Oklahoma	FL	L	AWOS	10.0	2	28.7	090	0418	12	09	2024	48.2	070	070	070	070	070	30.0	30.0	30.0	30.0	30.0			
K7WJ	Andalusia Bob Barton Field	31.3001	-86.3133	Oklahoma	FL	L	AWOS	10.0	2	28.7	090	0418	12	09	2024	48.2	070	070	070	070	070	30.0	30.0	30.0	30.0	30.0			
K084	Florida Municipal Airport	31.0425	-86.1317	FL	AL	L	AWOS	10.0	2	28.7	090	0418	12	09	2024	48.2	070	070	070	070	070	30.0	30.0	30.0	30.0	30.0			
KG2H	Evergreen Middlefield Field	31.4189	-87.0683	Oklahoma	FL	L	AWOS	10.0	2	28.7	090	0418	12	09	2024	48.2	070	070	070	070	070	30.0	30.0	30.0	30.0	30.0			
KFBN	Greenville War Crossings Memorial Airport	31.8457	-86.6507	FL	AL	L	AWOS	10.0	2	28.7	090	0418	12	09	2024	48.2	070	070	070	070	070	30.0	30.0	30.0	30.0	30.0			
GW2972	NWS Holmes OTR	31.0796	-88.2021	Mobile	AL	L	Measurement	9.0	15	19.0	81	0130	12	09	2024	30	81	0130	12	09	2024	1000.7	1000.7	1000.7	1000.7	1000.7			
GW4876	Chowanok, M. Mack Dyma Safe Room	31.0005	-88.229	Mobile	AL	L	Measurement	6.0	15	8.0	120	0900	12	09	2024	19	182	1300	12	09	2024	1002.0	1002.0	1002.0	1002.0	1002.0			
GW4772	Gateswood AL VTD	30.7083	-87.5677	Baldwin	AL	L	Measurement	8.0	15	8.0	144	0600	12	09	2024	23	153	0740	12	09	2024	1004.5	1004.5	1004.5	1004.5	1004.5			
GW1916	Chatham AL 912 Center	31.0121	-88.3961	Washington	AL	L	Measurement	6.0	15	23.0	88	2030	12	09	2024	88	1000	12	09	2024	1001.9	1001.9	1001.9	1001.9	1001.9				
FW0177	Thomsonville AL W02955 Radio	31.8825	-87.7444	Clarke	AL	L	Measurement	5.0	15	6.0	231	1746	12	09	2024	21	146	1230	12	09	2024	1004.3	1004.3	1004.3	1004.3	1004.3			
FW1728	Chocoma Co. AL 311	31.780	780	Chocoma	AL	L	Measurement	N/A	15	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M		
GW1808	Moore Co. AL Kamajee Airport	31.4632	-87.0022	Moore	AL	L	Measurement	6.0	15	17.0	114	1250	12	09	2024	12	91	0715	12	09	2024	1005.6	1005.6	1005.6	1005.6	1005.6			
GW2297	Lacala MS GC288A	30.9220	-88.5058	George	MS	L	Measurement	6.0	15	8.0	98	0330	12	09	2024	23	114	0415	12	09	2024	1002.7	1002.7	1002.7	1002.7	1002.7			
GW1923	Sand Hill MS VED	31.9460	-88.3516	Greene	MS	L	Measurement	6.0	15	7.0	101	0915	12	09	2024	19	125	0915	12	09	2024	1006.7	1006.7	1006.7	1006.7	1006.7			
GW1222	Waynesboro MS W040 Radio	31.1768	-88.6997	Wayne	MS	L	Measurement	6.0	15	14.0	170	1315	12	09	2024	30	117	1045	12	09	2024	999.5	999.5	999.5	999.5	999.5			
MS01A	Meaher Park	30.6670	-87.9960	Mobile	AL	L	Measurement	8.5	15	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M		
MS02A	USCG Sector Mobile	30.4490	-88.0280	Mobile	AL	L	Measurement	8.5	15	27.0	100	0524	12	09	2024	31.1	100	0524	12	09	2024	1002.3	1002.3	1002.3	1002.3	1002.3			
MS03A	Mobile Bay LightHouse	30.6110	-88.0110	Mobile	AL	L	Measurement	8.5	15	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M		
MS04A	Cedar Point	30.1800	-88.1400	Mobile	AL	L	Measurement	8.5	15	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M		
MS05A	Kalmar Cut	30.2500	-88.2130	Mobile	AL	L	Measurement	8.5	15	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M		
MS06A	Onion Island Sea Lab	30.2100	-88.0700	Mobile	AL	L	Measurement	8.5	15	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M		
MS07A	Dauphin Island	30.2500	-88.0750	Mobile	AL	L	Measurement	8.5	15	28.1	100	0548	12	09	2024	45.1	100	0548	12	09	2024	1000.7	1000.7	1000.7	1000.7	1000.7			
MS08A	Turkey Beach	30.2100	-87.9800	Mobile	AL	L	Measurement	8.5	15	28.1	100	0548	12	09	2024	45.1	100	0548	12	09	2024	1000.7	1000.7	1000.7	1000.7	1000.7			
MS09A	Weeks Bay Reserve	30.2100	-87.9800	Mobile	AL	L	Measurement	8.5	15	28.1	100	0548	12	09	2024	45.1	100	0548	12	09	2024	1000.7	1000.7	1000.7	1000.7	1000.7			
MS10A	Fl Moragan	30.2100	-87.9800	Mobile	AL	L	Measurement	8.5	15	28.1	100	0548	12	09	2024	45.1	100	0548	12	09	2024	1000.7	1000.7	1000.7	1000.7	1000.7			
MS11A	Perdido Pass	30.2100	-87.9800	Mobile	AL	L	Measurement	8.5	15	28.1	100	0548	12	09	2024	45.1	100	0548	12	09	2024	1000.7	1000.7	1000.7	1000.7	1000.7			
MS12A	Orange Beach Bury	30.0000	-87.5800	Mobile	AL	L	Measurement	8.5	15	28.1	100	0548	12	09	2024	45.1	100	0548	12	09	2024	1000.7	1000.7	1000.7	1000.7	1000.7			
MS13A	Pensacola Bay	30.4040	-87.2120	Baldwin	AL	L	Measurement	8.5	15	28.1	100	0548	12	09	2024	45.1	100	0548	12	09	2024	1000.7	1000.7	1000.7	1000.7	1000.7			
MS14A	Venice Knoll Oil Platform	29.2200	-87.7810	Mobile	AL	L	Measurement	10.0	15	28.1	240	1555	12	09	2024	28.0	250	1715	12	09	2024	1000.7	1000.7	1000.7	1000.7	1000.7			
MS15A	Buccanero Yacht Club	30.5817	-88.0708	Mobile	AL	L	Weather/STEM	10.0	15	28.7	111	0655	12	09	2024	39.3	262	0325	12	09	2024	1001.4	1001.4	1001.4	1001.4	1001.4			
MS16A	Gulf Shores-Foley	30.1630	-87.6730	Mobile	AL	L	Weather/STEM	10.0	15	17.6	135	0628	12	09	2024	31.1	135	0628	12	09	2024	999.8	999.8	999.8	999.8	999.8			
MS17A	Gulf Breeze	30.2600	-87.5020	Mobile	AL	L	Weather/STEM	10.0	15	22.0	160	0716	12	09	2024	31.6	99	0604	12	09	2024	1000.4	1000.4	1000.4	1000.4	1000.4			
MS18A	Crystal Beach	30.3860	-86.8420	Oklahoma																									

Site ID	Site Name	Latitude	Longitude	County (land based stations only)	State (land based stations only)	Land (L) or Marine (M)	Observing Network	Anemometer Hgt (m)	Average Period (min)	Max Sustained Wind (knots)	Direction of Max Sustained Wind (deg)	Max Wind - Time (UTC)	Max Wind - Day	Max Wind - Month	Max Wind - Year	Max Gust (knots)	Direction of Max Gust (deg)	Max Gust - Time (UTC)	Max Gust - Day	Max Gust - Month	Max Gust - Year	Min Pressure (mb)	Min Pressure - Time (UTC)	Min Pressure - Day	Min Pressure - Month	Min Pressure - Year	Comment (I = Incomplete data; E = estimated)	Variable that is Incomplete or Estimated: S - Sustained wind, G - Gusts, P - pressure, or A - all
Latest Update:		09/16/2024																										
Update Details:		09/12 - RD compiled the data for Buoy and Wflow sites. Started ASOS/AWOS stations through KNAA. 09/13 - RD finished compiling data for ASOS/AWOS stations and completed CoOp stations, BARRS stations, and other misc ones. Started Weatherstem stations through Walnut Hill and am awaiting Mesonet data. 09/14 - RD completed the remaining WeatherSTEM sites. Only awaiting Mesonet data to fully complete the tab. 09/16 - Received Mesonet data from Dr. Kimball of USA. RD added the max winds and min pressures into tab. Time of max winds and wind directions were not provided in spreadsheet given. If we receive these on a future date, this data will be added. Otherwise, this tab is complete!																										
Remarks:		For the ASOS/AWOS sites... used DSM for our 6 climate sites to obtain winds. For pressure, if SLP was given at the time of lowest pressure, this value was used. If lowest pressure occurred in between SLP readings, used altimeter setting pressure instead (this result is a slight error unless a full mb). For Weatherstem sites... went to Data Mining section and checked 10 min wind gust, anemometer, barometer, and wind vane. After changing the time, it was easier for me to put it in chart form and hover over the max wind/lowest pressure values. Sustained winds are odd though because it seems more like an instantaneous wind rather than a 2-min average, so these may need to be looked at further. Gusts being 10-minute averages are also quite strange and the wind direction being so variable when looking minute by minute leads to questions regarding the usefulness/scoring of these values. I would advise to use them with caution. For Mesonet sites... data was provided by Dr Kimball of USA and her class. Below is the list of students who compiled the data: Benjamin Herndricks Katherine Krawtzen Marlon Martinez Juarez Brendan Sauminski Caleb Seaver Noah Schaefer Anna Gault Raleigh Dyer Mikayla Northcutt Adam Smith Kirsten																										