

Sample Weather Station Data (not to be graded BUT HIGHLY RECOMMENDED)

Mark the station data listed below onto a U.S. map. Use the data to make intelligent guesses about pressure centers (high or low) and weather fronts (boundaries between air masses).

This is REAL weather data, so it is definitely more complex than fictional weather. If you can spot the prominent cold front, you're doing really well.

Station Name	Wind Speed (mph)	Wind Direction	Atmospheric Pressure (mb)	Temperature (°F)	Type of Precipitation	Cloud Cover (%)
Seattle	0		1018.2	55		0
Bend	3	0	1015.8	59		0
San Francisco	14	270	1014.4	61		25
Los Angeles	15	270	1013.9	68		75
Phoenix	5	0	1008.3	90		25
Ely	8	180	1014.3	55		0
Dubois	7	350	1017.9	50		0
Helena	7	270	1020.2	45		0
Medicine Hat	6	60	1016.0	45		100
Bismarck	5	315	1019.5	38		100
Casper	0		1021.4	35		0
Pueblo	8	90	1021.9	45		0
Roswell	3	45	1010.3	73		0
Del Rio	8	90	1012.7	75		0
Galveston	16	180	1016.1	76		0
Dallas	6	180	1011.9	74		25
Oklahoma C.	10	0	1015.4	64		50
Kansas C.	13	0	1018.0	50		50
Burwell	5	270	1020.3	36		0
Minneapolis	22	315	1014.8	41		50
Sioux Lookout	11	350	1011.0	30	Snow	100
Chicago	13	315	1013.0	46	Rain	100
Little Rock	0		1016.6	64		100
New Orleans	5	135	1018.5	67		25
Nashville	3	180	1017.1	50		0
Cincinnati	0		1016.3	49		0
Detroit	13	180	1011.9	56		0
Sault Ste. M.	9	270	1005.1	43	Rain	100
Ert - No data						
Quebec	6	45	1020.0	43		50
Boston	7	45	1021.1	54		100
Buffalo	5	180	1015.0	45		25
New York	9	90	1019.3	58		100
Hatteras	6	315	1016.9	67		100
Charleston	3	45	1019.9	53		0
Atlanta	5	135	1019.0	59		0
Jacksonville	5	0	1019.4	61	Fog	100
Tampa	5	45	1018.0	77		0
Miami	0		1016.9	83		75

Figure 7

