

# Weather Map Symbols

## Surface Station Model

<p>Temp (F) → 45    045 ← Pressure (mb)</p> <p>Weather → ●● ← Sky Cover</p> <p>Dewpoint (F) → 29    ← Wind (kts)</p> 	<b>Data at Surface Station</b>
	<p>Temp 45°F, dewpoint 29°F, overcast, wind from SE at 15 knots, weather light rain, pressure 1004.5 mb</p>

## Upper Air Station Model

<p>Temp (C) → -5    564 ← Height (m)</p> <p>Dewpoint (C) → -12    ← Wind (kts)</p> 	<b>Data at Pressure Level – 500 mb</b>
	<p>Temp -5°C, dewpoint -12°C, wind from S at 75 knots, height of level 5640 m</p>

## Forecast Station Model

<p>Temp (F) → 78    70 ← PoP (%)</p> <p>Weather → ●○ ← Sky Cover</p> <p>Dewpoint (F) → 64    ← Wind (kts)</p> 	<b>Forecast at Valid Time</b>
	<p>Temp 78°F, dewpoint 64°F, scattered clouds, wind from E at 10 knots, probability of precipitation 70% with rain showers</p>

# Map Symbols

Sky Cover	Wind Shaft is direction wind is coming from	Fronts and Radar	Selected Weather Symbols
○ clear	☉ Calm	cold front	• Rain
⊙ 1/8	— 1-2 knots (1-2 mph)	warm front	⊙ Rain Shower
⊙ scattered	— \ 3-7 knots (3-8 mph)	stationary front	⊙ Thunderstorm
⊙ 3/8	— \ 8-12 knots (9-14 mph)	occluded front	' Drizzle
⊙ 4/8	— \ 13-17 knots (15-20mph)	trough	* Snow
⊙ 5/8	— \ 18-22 knots (21-25 mph)	squall line	* Snow Shower
⊙ broken	— \ 23-27 knots (26-31 mph)	dry line	⊙ Freezing Rain
⊙ 7/8	— ▾ 48-52 knots (55-60mph)	<b>Radar Intensities</b> 	⊙ Freezing Drizzle
● overcast	— ▾ 73-77 knots (84-89 mph)		⊙ Fog
⊗ obscured	— ▾ 103-107 knots (119-123 mph)		⊙ Haze
<p>Multiple rain or snow symbols indicate intensity, i.e., light, moderate, heavy</p>			⊙ Smoke
			⊙ Dust or Sand
			⊙ Blowing Snow