

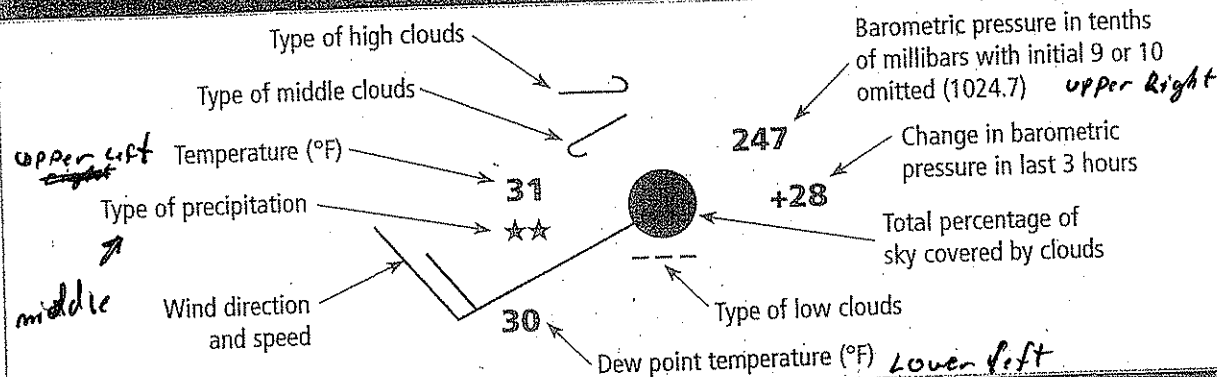
$$^{\circ}F = \frac{9}{5} (^{\circ}C) + 32$$

$$\frac{1 \text{ mi}}{1.6 \text{ km}} \times \frac{1.6 \text{ km}}{1 \text{ mi}} \times \frac{1 \text{ knot}}{1.852 \text{ km/h}} = \frac{\text{knot}}{1.852}$$

$$^{\circ}C = \frac{5}{9} (^{\circ}F - 32)$$

1 mile = 1.61 km

Sample Plotted Report at Each Station



Symbols Used in Plotting Report

Precipitation	Wind Direction and Speed	Sky Coverage	Fronts and Pressure Systems
☰ Fog	☉ 0 calm	○ No cover	(H) or High Center of high- or
* * * Snow	— 1-4 knots	⊖ 1/10 or less	(L) or Low low-pressure system
• • Rain	✓ 5-8 knots	⊕ 2/10 to 3/10	▲▲▲ Cold front
⚡ Thunderstorm	✓ 9-14 knots	⊕ 4/10	◐◐◐ Warm front
⊙ Drizzle	✓ 15-20 knots	⊕ 1/2	▲◐◐ Occluded front
▽ Showers	✓ 21-25 knots	⊕ 6/10	▲◐◐ Stationary front
	✓ 26-31 knots	⊕ 7/10	
	✓ 50+ knots	⊕ Overcast with openings	
	1 knot = 1.852 km/h	⊕ Completely overcast	
	☰ 32-37 ☰ 38-43 ☰ 44-49 Clouds		
Some Types of High Clouds	Some Types of Middle Clouds	Some Types of Low Clouds	
☰ Scattered cirrus	∟ Thin altostratus layer	◐ Cumulus of fair weather	
☰ Dense cirrus in patches	∟ Thick altostratus layer	◐ Stratocumulus	
☰ Veil of cirrus covering entire sky	∟ Thin altostratus in patches	--- Fractocumulus of bad weather	
☰ Cirrus not covering entire sky	∟ Thin altostratus in bands	— Stratus of fair weather	

Reference Handbook