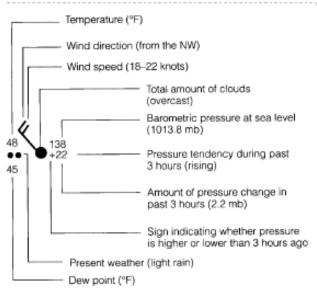
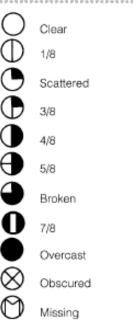
Meteorology

Weather Symbols and the Station Model

Simplified Surface-Station Model



Cloud Coverage



Upper-Air Model (500 mb)



Temperature (°C)

Height of pressure surface in meters with first 3 digits given (5640 m) 12 hour height change in meters (04 equals 40 m)

Sign indicating whether height is rising or falling

Dew point depression (difference between air temperature and dew point, °C)

Wind speed (58–62 knots) Wind direction (from the southwest)

Common Weather Symbols

Light rain	\$	Rain shower
Moderate rain	₹	Snow shower
Heavy rain	₽	Showers of hail
Light snow	+	Drifting or blowing snow
Moderate snow	Ç.	Dust storm
Heavy snow	\leq	Fog
Light drizzle	8	Haze
Ice pellets (sleet)	m	Smoke
Freezing rain	Γ	Thunderstorm
Freezing drizzle	•	Hurricane
	Moderate rain Heavy rain Light snow Moderate snow Heavy snow Light drizzle Ice pellets (sleet) Freezing rain	Moderate rain Heavy rain Light snow Moderate snow Heavy snow Light drizzle Ice pellets (sleet) Freezing rain

Meteorology

.....

Wind Entries

	MILES (STATUTE) PER HOUR	KNOTS	KILOMETERS PER HOUR
\bigcirc	Calm	Calm	Calm
	1–2	1–2	1–3
<u> </u>	38	3–7	4–13
	9–14	8–12	14–19
/	15–20	13–17	20–32
\/	21-25	18-22	33-40
//	26-31	23–27	41–50
///	32-37	28–32	51-60
////	38-43	33–37	61–69
////	44-49	38-42	70–79
/////	50-54	43-47	8087
	55-60	48-52	88–96
<u> </u>	61–66	53–57	97–106
<u> </u>	67–71	58-62	107–114
17	72–77	63-67	115-124
<u> </u>	78-83	68–72	125–134
111	8489	73–77	135–143
W	119–123	103–107	144-198

Pressure Tendency

$^{\sim}$	Rising, then falling
	Rising, then steady; or rising, then rising more slowly
/	Rising steadily or unsteadily how higher than 3 hours
\checkmark	Falling or steady, then rising; or rising, then rising more quickly
—	Steady, same as 3 hours ago
\searrow	Falling, then rising, same or lower than 3 hours ago
\mathbf{r}	Falling, then steady; or falling, then falling more slowly Barometer
\mathbf{i}	Falling steadily, or unsteadily Now Iower than 3 hours
	Steady or rising, then falling; or falling, then falling more quickly

Front Symbols

