

Weather Station Symbols

NJ DEPARTMENT OF ENVIRONMENTAL PROTECTION

Cloud Coverage

- No Clouds
- 1/10
- 1/4
- 1/2
- 3/4
- 9/10
- Completely Overcast
- Sky Obscured

Wind Speed

- Calm
- < 5 knots
- 5 knots
- 10 knots
- 20 knots
- 25 knots
- 50 knots

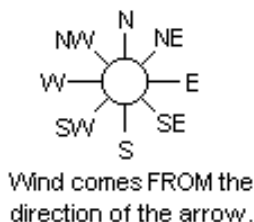
Cloud Types

- High Elevation**
- Scattered Cirrus
- Dense Cirrus
- Cirrostratus
- Heavy Cirrostratus
- Cirrus & Cirrostratus
- Middle Elevation**
- Thin Altostratus
- Thick Altostratus
- Thin Altcumulus
- Heavy Altcumulus
- Low Elevation**
- Stratocumulus
- Fair Weather Cumulus
- Developing Cumulus
- Cumulonimbus
- Cirrocumulus
- Nimbostratus
- Stratus
- Fractostratus

Weather Conditions

- | | | | |
|---------|---------------|----------|--------|
| | INTERMITTENT | | |
| | Light | Moderate | Heavy |
| Rain | • | •• | ••• |
| Snow | * | ** | *** |
| Drizzle | , | ; | ; |
| | STEADY | | |
| | Light | Moderate | Heavy |
| Rain | •• | ••• | •••• |
| Snow | ** | *** | **** |
| Drizzle | ,, | ;, | ;; |
| | THUNDERSTORMS | | |
| | Mild | Moderate | Severe |
| Rain | | | |
| Snow | | | |
| Hail | | | |
-
- | | | | |
|--|---------------|--|------------------|
| | Hail | | Freezing Drizzle |
| | Snow Grains | | Light Heavy |
| | Tornado | | Light Heavy |
| | Ice Crystals | | Freezing Rain |
| | Drifting Snow | | Light Heavy |

Wind Direction



Fronts

- Warm
- Cold
- Stationary
- Occluded
- Warm (Aloft)
- Cold (Aloft)

Air Pressure

- H** High
- L** Low

MISC. SKY COVER

- | | | | |
|--|-----------|--|----------------|
| | Haze | | Fog in Patches |
| | Smoke | | Light Fog |
| | Dust/Sand | | Heavy Fog |

SHOWERS

- | | | | | | |
|--|---------------------|--|--------------|--|---------------------|
| | Slight Rain | | Violent Rain | | Slight Snow |
| | Moderate/Heavy Rain | | Sleet/Hail | | Moderate/Heavy Snow |

Barometric Tendency

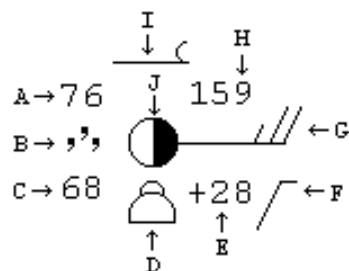
Increase in Air Pressure over Last 3 Hours

- | | | | | | | | | | |
|--|----------------------|--|---------------------|--|-----------------|--|----------------------|--|--------|
| | Rising, then Falling | | Rising, then Steady | | Rising Steadily | | Falling, then Rising | | Steady |
|--|----------------------|--|---------------------|--|-----------------|--|----------------------|--|--------|

Decrease in Air Pressure over last 3 Hours

- | | | | | | | | |
|--|----------------------|--|------------------|--|----------------------|--|----------------------|
| | Falling, then Steady | | Falling Steadily | | Falling, then Rising | | Rising, then Falling |
|--|----------------------|--|------------------|--|----------------------|--|----------------------|

Weather Station Model Demo



- | | |
|---------------------|----------------------------|
| A - Temperature | F - Pressure Tendency |
| B - Present Weather | G - Wind Speed & Direction |
| C - Dew Point | H - Barometric Pressure |
| D - Low Cloud Type | I - High Cloud Type |
| E - Pressure Change | J - Cloud Coverage |