

Cirrus



- Thin, feather-like
- Ice crystals
- High altitudes
- Patches or bands
- If wispy, no significant icing or turbulence
- If dense or in bands, turbulence is likely

Stratus



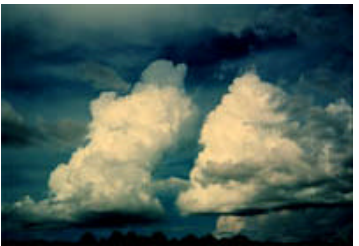
- Gray, low bases
- Sheet-like
- Usually associated with low pressure systems
- Little, if any turbulence
- Icing possible
- Can be associated with fog and rain

Cumulus



- Convective currents
- Flat bases
- Dome-shaped tops
- Rain not likely
- Turbulence possible
- Icing possible
- Find approximate height of bases by: $H = (T - DP) / 4.4^*$

Towering Cumulus



- Unstable air
- Extensive vertical development
- "Cauliflower" tops
- Severe turbulence likely
- Icing possible
- Rain possible

Cumulonimbus



- Thunderstorms
- Vertically developed
- Cirrus cloud anvil
- Tops 25,000-50,000 feet
- Violent turbulence likely
- **Always avoid**
- Anvil points in the direction of movement

Lenticular



- Lee side of mountain
- Little movement
- Found on crest of wave activity
- Strong turbulence beneath cloud
- Significant updrafts and downdrafts

* H=thousands of feet AGL, T=surface temperature in °F, DP=dew point in °F

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