

I. Weather Maps

A. Synoptic forecasting is based on looking at a summary of the total weather picture at a particular time.

- A Synoptic - weather map is made by measuring atmospheric weather variables at thousands of weather stations around the world 4 times a day.

B. A Field is a region of space that has a measurable quantity at every point.

- Field maps that measure elevation are called Contour ~~maps~~ Topographic.
- Contour lines connect points of equal elevation.
- Some field maps measure temperature. Lines that connect points of equal temperature are called isotherms.
- Some field maps measure air pressure. Lines that connect points of equal pressure are called isobars.
- Isolines is a generic term that means a line that connects points of equal values on a field map. Isolines can measure anything.

