

Summary for December 23-27 2009

Notable features:

- *A strong mid level closed low crossed the Southwest and Southern Plains before merging with northern stream energy digging through the Northern Plains.
- *The main surface center deepened over eastern Texas before lifting slowly north into Missouri and evolving into a large occluded cyclone. The center of the surface cyclone over central Missouri was observed at 986 millibars.
- *This storm had extensive moisture inflow from the Pacific Ocean, the Gulf of Mexico and even the Atlantic Ocean resulting in heavy precipitation.
- *The passing closed low produced heavy snow and blizzard conditions across central Oklahoma to eastern Kansas.
- *Widespread 12 to 18 inch snow totals with blizzard conditions were reported to the north and west of the slow moving system from the Dakotas to Minnesota and parts of Iowa and Nebraska.
- *The heaviest totals were indicated over portions of western South Dakota. 40 inch plus amounts were measured through portions of the Black Hills region where orographically enhanced snowfall persisted to the west of the stacked circulation.