

## Summary for February 11-13 2010

Another strong shortwave system within the active southern jet stream crossed northern Mexico. This feature sheared eastward through the northern Gulf of Mexico within the strong westerly jet which was displaced well to the south. Energy from the northern stream also dug through the Midwest and into the Southeast. The primary surface low crossed the central Gulf of Mexico and the Florida panhandle before pushing offshore well off the southeast Atlantic coast. The very cold airmass encompassing much of the nation in the wake of the previous storms completed the setup for a snowfall across the South. Enhancement from the vigorous passing upper system produced 12 inch snow amounts in the Dallas, TX area. Snowfall stretched across the lower Mississippi Valley with rare accumulations close to the central Gulf Coast. The strengthening offshore system allowed for some Atlantic moisture inflow with widespread 4 to 8 inch amounts from Georgia to the coast of North Carolina.