

Summary for February 25-27 2010

This storm produced heavy snow across many areas of New York and New England that were spared from most of the previous storms of the 2009-10 season. A deepening surface low well east of North Carolina lifted slowly north-northwest into New England, as a large closed upper circulation from the Midwest reached through the Mid Atlantic area before becoming stacked above the surface system over the Northeast. Warm air from the Atlantic surged into New England and resulted in primarily rain on the eastern side of the cyclone over southern and eastern New England. Moisture wrapped around the western side of the system into the New York City area where 12 inch plus snow totals were measured. Snow amounts in excess of 2 feet occurred across the higher terrain from the Pocono's and Catskills to the Green and White mountains. Additional moisture reached farther west and produced heavy lake enhanced snow to the southeast of Lake Erie. The strong northwesterly flow into the western slopes of the Appalachians produced heavy orographic snow. This system was rated a NESIS (Northeast Snowfall Impact Scale) Category 3 (major) event.