

March 31, 2013, Hail Storms

The combination of moist unstable air, a weak upper level short-wave trough, and a cold front produced severe thunderstorms across South Central Texas during the afternoon hours of Easter Sunday, March 31, 2013. The main impact of the storms was from 1 pm through 8 pm, and all of the severe reports were large hail, ranging from pea- to baseball-size. The areas receiving the most hail were around Knippa and Sabinal (Uvalde County), the northern half of Metro San Antonio – Castle Hills, Alamo Heights, Leon Springs, and Balcones Heights (Bexar County), and near Dilley (Frio County).

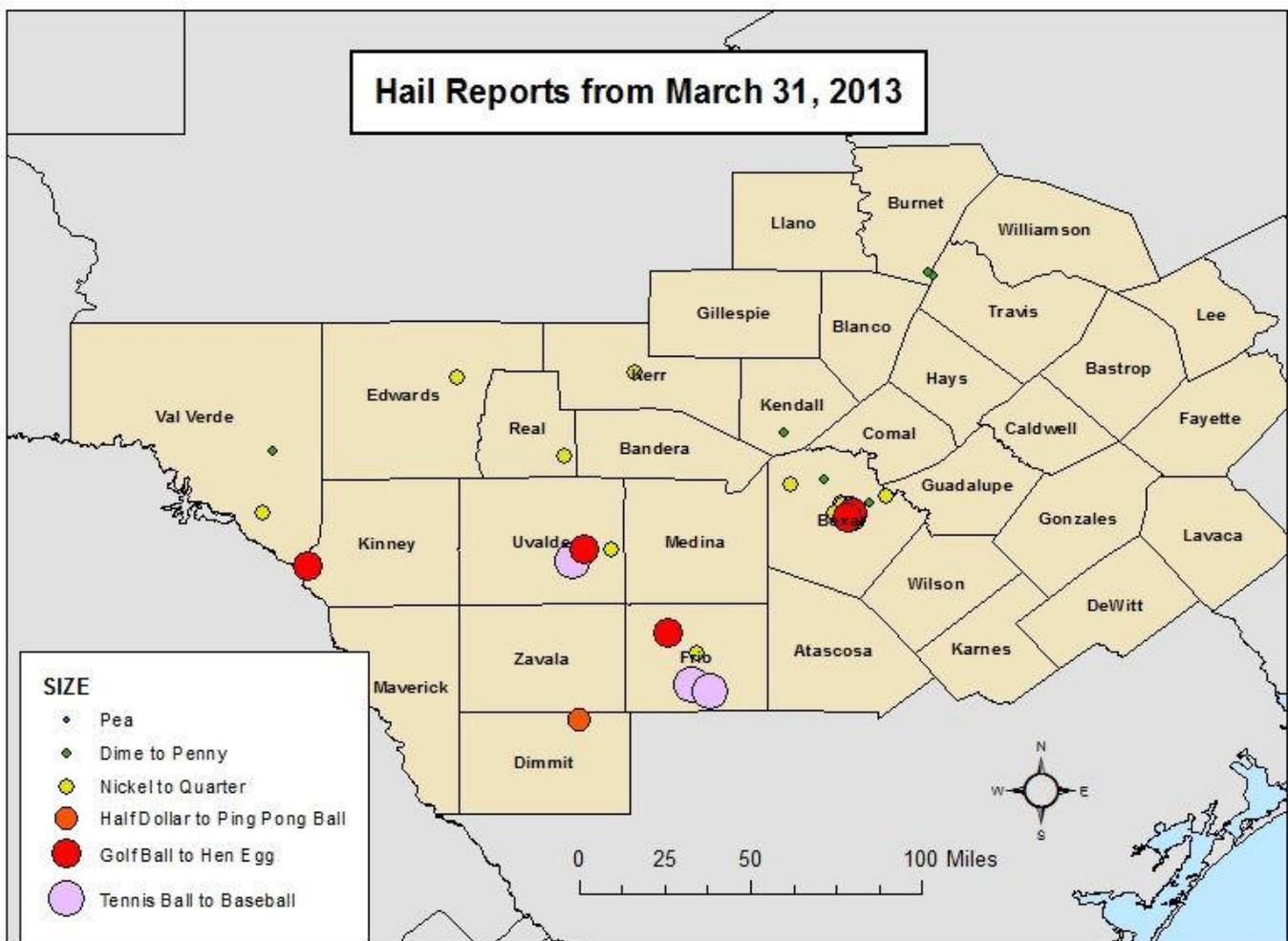


Figure 1. Map of hail reports received as of 4:00 pm CDT, April 1, 2013.

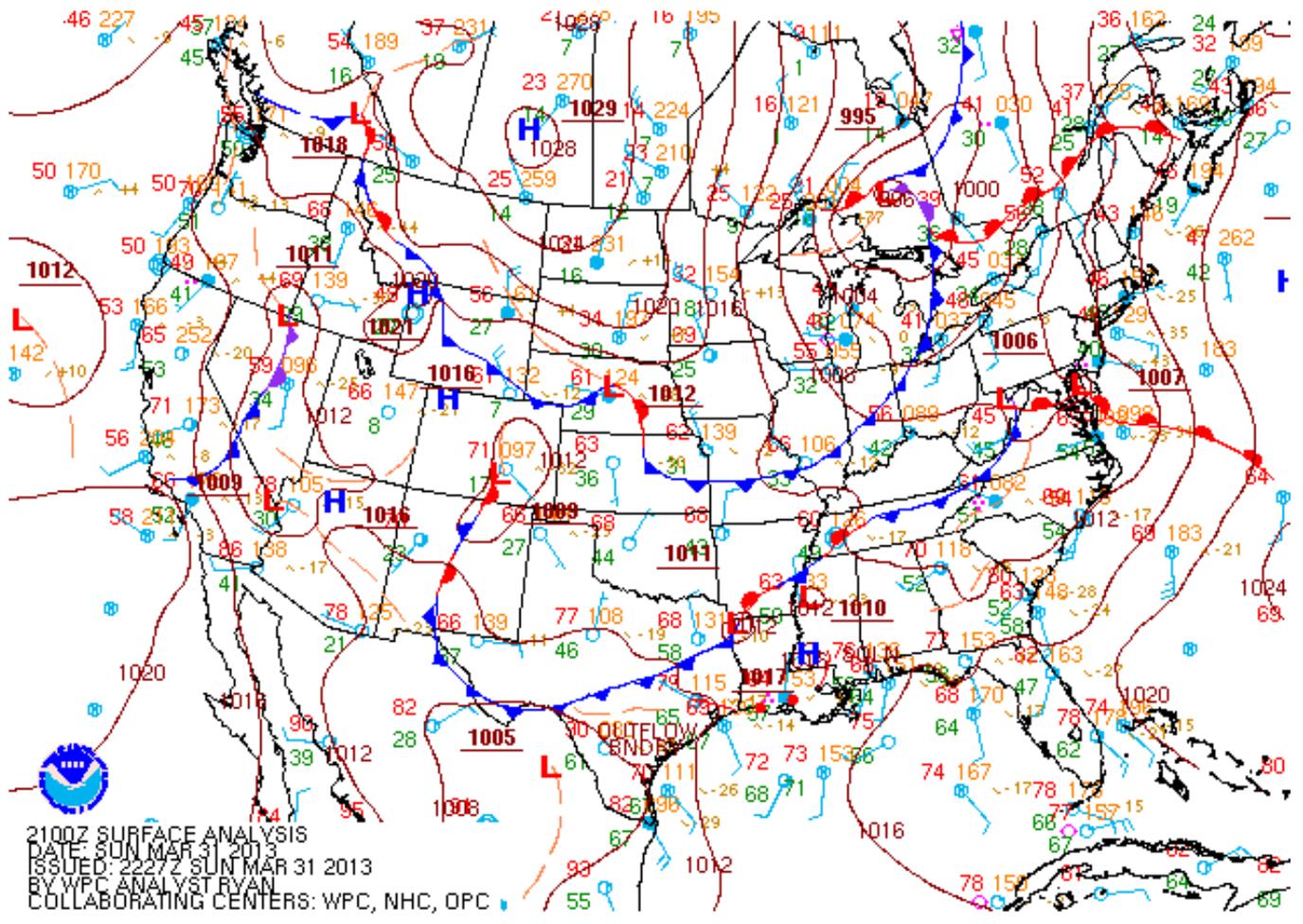


Figure 2. Surface analysis at 5:27 pm on March 31, 2013.

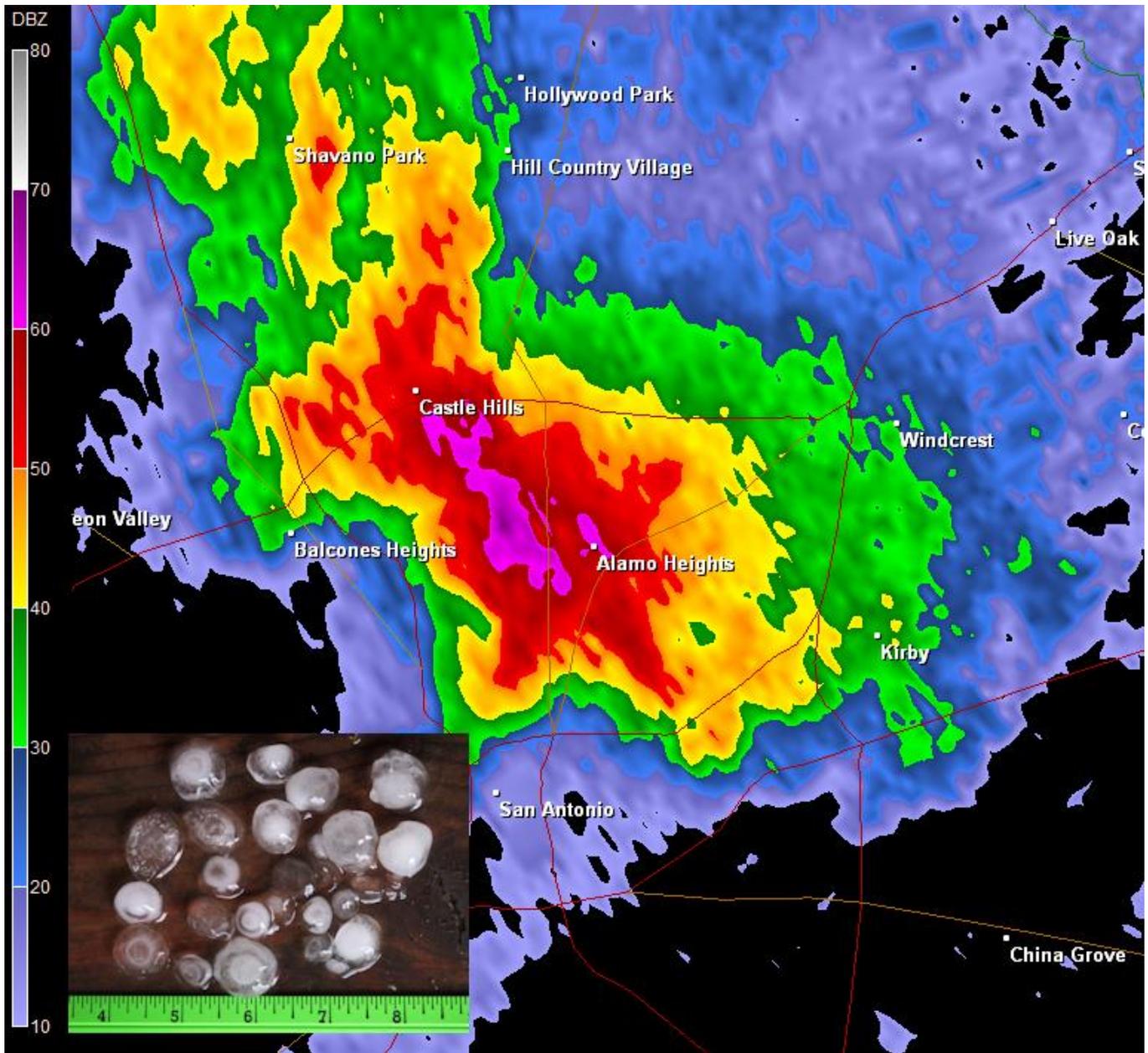


Figure 3. KEWX radar 0.5° elevation base reflectivity at 5:43 pm CDT on March 31, 2013. Inset picture of hail that fell between 5:43 and 5:48 pm CDT from a location between Castle Hills and Alamo Heights.