During the late afternoon of March 30, 2011 at approximately 21:25 GMT, hail monitor stations at Pad 39A recorded pea size hail while STS-134 Endeavour was preparing for its final flight into space.

The maximum hydrometeor size detected by the composite measurement of the three hail disdrometers and three hail pads surrounding the launch pad structure was estimated to be no larger than 12 mm, corresponding to the 6 sq. ft. total sensor measurement area.

Damage to external tank was minimal and repair was not required.