Plotted below are the frequency of the hashtags nyc, halloween, and sandy. I believe this tweet frequency show us an interesting perspective on the tweets before, during, and after hurricane sandy. As we can see #nyc was used relatively frequently until a slight spike along with #halloween right before the hurricane got close to making landfall on the east coast. On the afternoon of 2012-10-28 at 12:00 PM the frequency of #sandy spiked higher than anything else we have plotted; that was two days before sandy made landfall. Not shown, for ease of viewing graph, #hurricane experienced a similar spike showing a pattern of hashtag use based on real-time events.



While the graph below plots some repeat hashtags from above, I thought it was important to show how the spike in total tweets (blue) from 2012-10-28 at 11:00 AM to 2012-10-30 at 5:00 AM was directly correlated to the three (3) hashtags we have plotted. Those hashtags are directly related to the hurricane and as it happens during this time sandy was off the coast and then making landfall in the New York area of the U.S. I believe this shows just how impactful the hurricane was on the lives of people on twitter at the time.

