This is an interesting research paper. The manuscript concentrated on chemical weathering during typhoon. The manuscript needs to be revised, and below are some suggestions.

1. In this calculation of ions' source, the global endmembers of Gaillardet et al., (1999) were used. Are these values suitable for this study? The results show that the silicates increase during the rainstorm. Why does the silicate-sourced ions (e.g., Na) increase with high runoff? Most studies have shown that silicate-sourced ions decrease with high runoff, because of the slow weathering kinetics. I think the calculation was highly dependent on the values of endmembers.

2. For the SO4, how does it from silicate and carbonate? Does silicate and carbonate contain SO4?

3. What is D50? It's explanation should be shown in the maintext.

4. For the enriched ratio, the authors can show using an equation. In addition, the authors used the first observation. The average value is much better. It is best use the annual average, at least the average during the sampling time.

5. For the evaporite endmember, the ratios are affected by the mixing of gypsum and halite. Can this value express the evaporites in this study? Chao et al., 2013 can not be found in the references.

6. Did the authors consider the carbonate precipitation? The evaporite dissolution express
Ca, which can enhance carbonate precipitation.

7. Line 338-339, the authors should show what proportion of the discharge in this study occupying in the year. Not just the silicate weathering