

# Drop Size Distribution Characteristics of Typhoon Haishen (2020) in Korea

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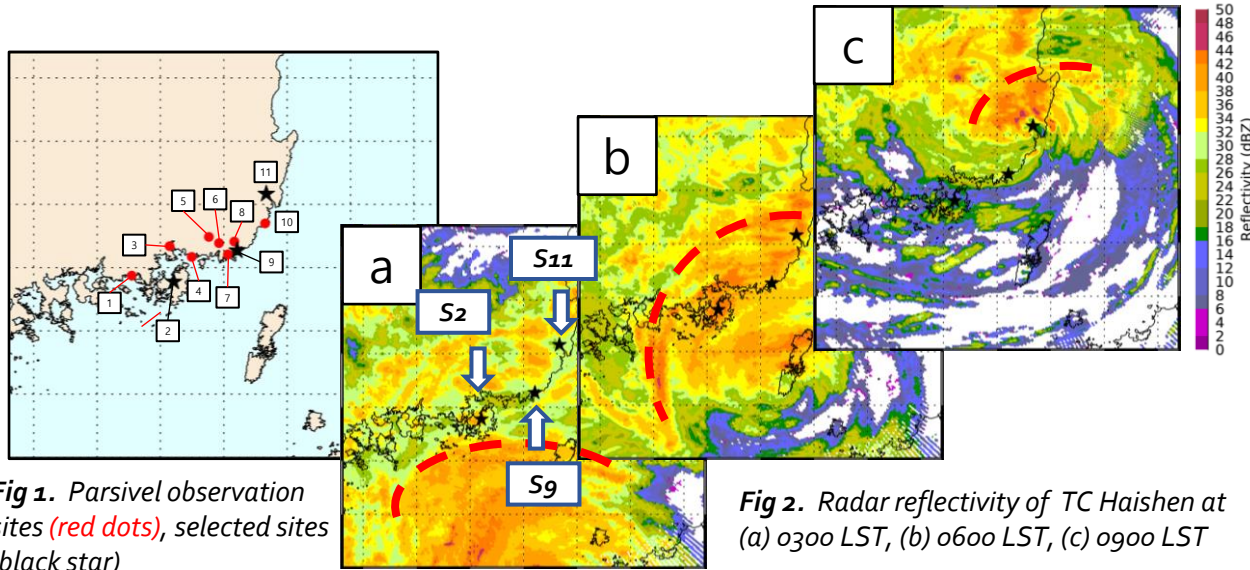


Fig 1. Parsivel observation sites (red dots), selected sites (black star)

Fig 2. Radar reflectivity of TC Haishen at (a) 0300 LST, (b) 0600 LST, (c) 0900 LST

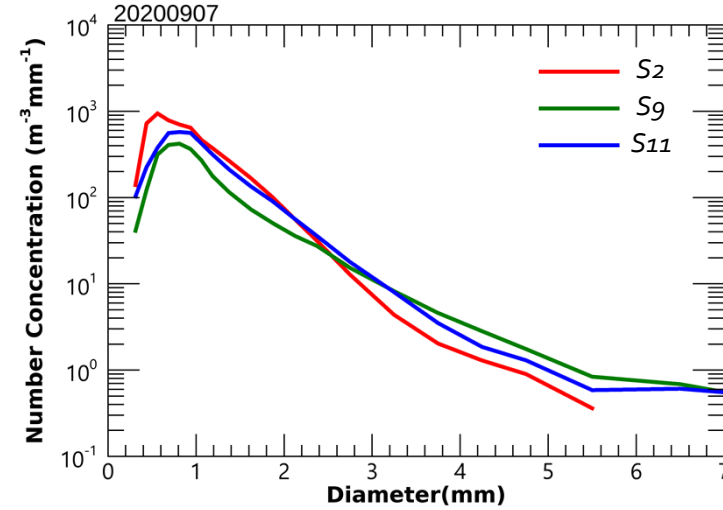


Fig 3. The scaled DSD diameter-Number Concentration for S2 (red), S9 (green), S11 (blue).

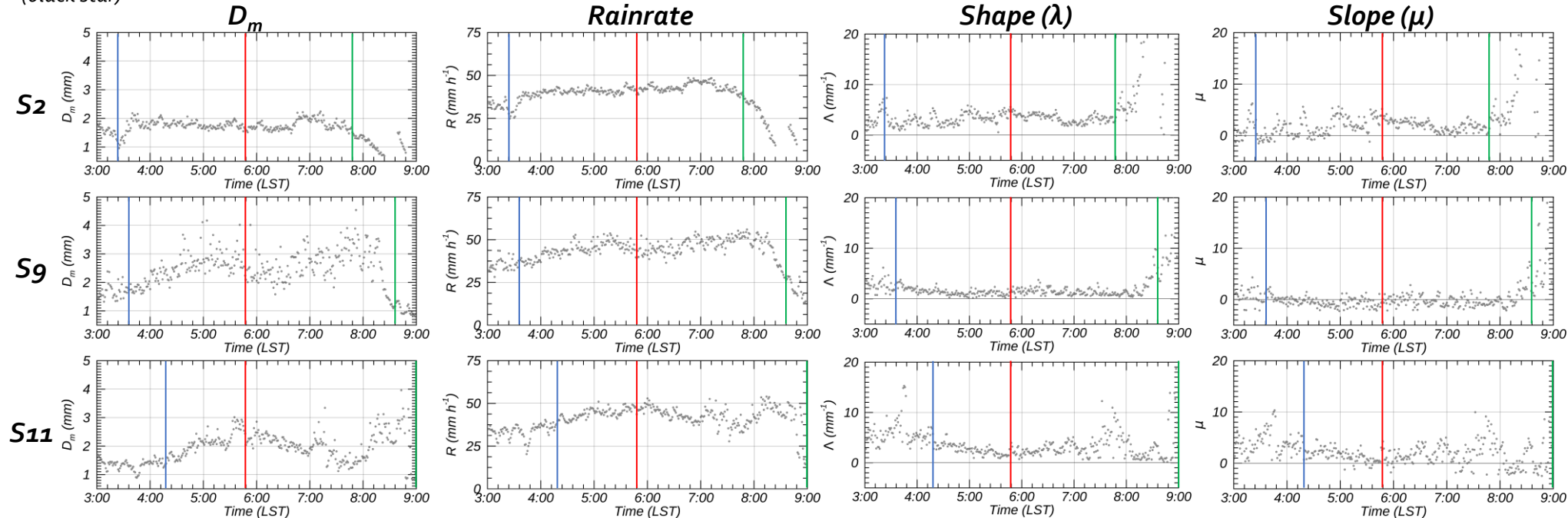


Fig 4.  $D_m$ , rainrate, slope and shape at each observation site during passing over the southern coastal line

- $D_m$  increased when the rainband reached the site.
- Rainrate showed a similar tendency to  $D_m$ .
- $\Lambda$  (Shape) decreased when the rainband reached at the site and increased after the rainband passing over.
- $\mu$  (slope) showed a similar tendency to  $\Lambda$  (Shape) but the fluctuation was bigger.