



The characteristics of recent focused heavy rainfall and heat wave in Busan, Ulsan, Gyeongnam of Korea

Jo mi yeong, Kim tae hee, and Kim jun hyung

Busan Regional office of meteorology, forecast, Korea, Republic Of (5803277jy@korea.kr)

In this study intends to analyze the characteristics of focused heavy rainfall and heat wave of normal year and the last 10 years (2007-2016) using precipitation and temperature data of 78 stations in Busan, Ulsan and Gyeongsangnam-do and to analyze the characteristics of atmospheric environment of the years with many focused heavy rainfalls(over 30 mm hour-1) and heat waves(over 33 [U+2103]) in Busan, Ulsan and Gyeongsangnam-do. Also, it intends to analyze the trend of increase of heavy rainfall and heat wave at the level of heavy rainfall advisory and warning and heat wave advisory and warning in Korean peninsula. It intends to compare and analyze synoptic of year with many focused heavy rainfalls(2009, 2011, and 2012) and normal year and synoptic of year with many heat waves(2013, 2016, and 2007) and normal year.

Keywords: Busan, Ulsan, Gyeongsangnam-do, heavy rainfall, heat wave, temperature, precipitation