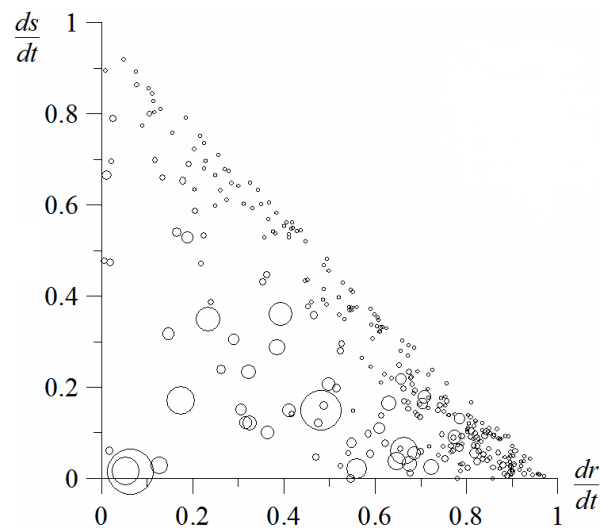
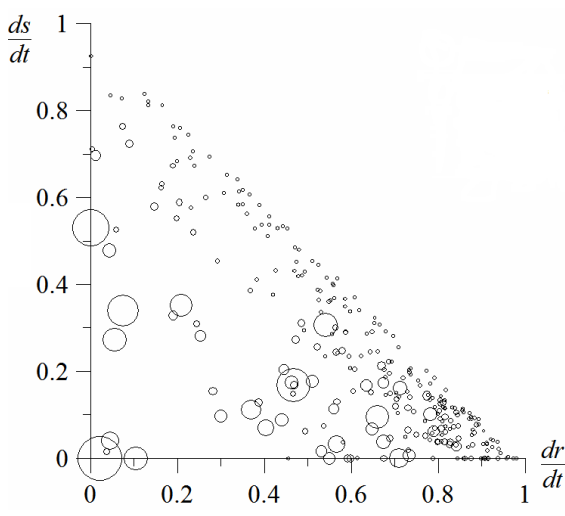


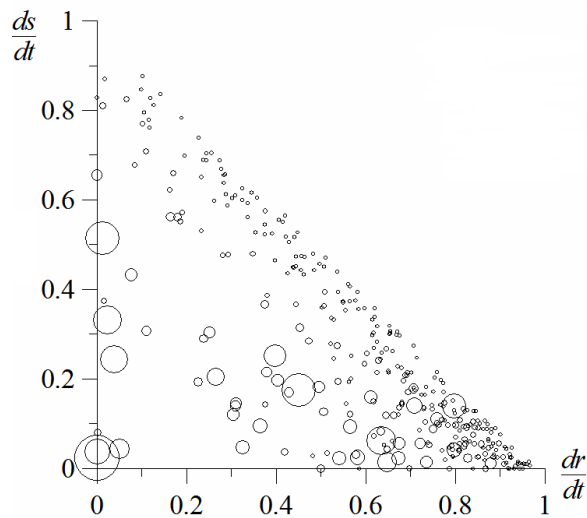
(a) Before typhoon Nanmadol in 2011



(b) After typhoon Nanmadol in 2011



(c) Before typhoon Kong-rey in 2013



(d) After typhoon Kong-rey in 2013

○ 0.05 km² ○ 0.03 km² ○ 0.01 km² ○ 0.005 km² ○ 0.001 km²