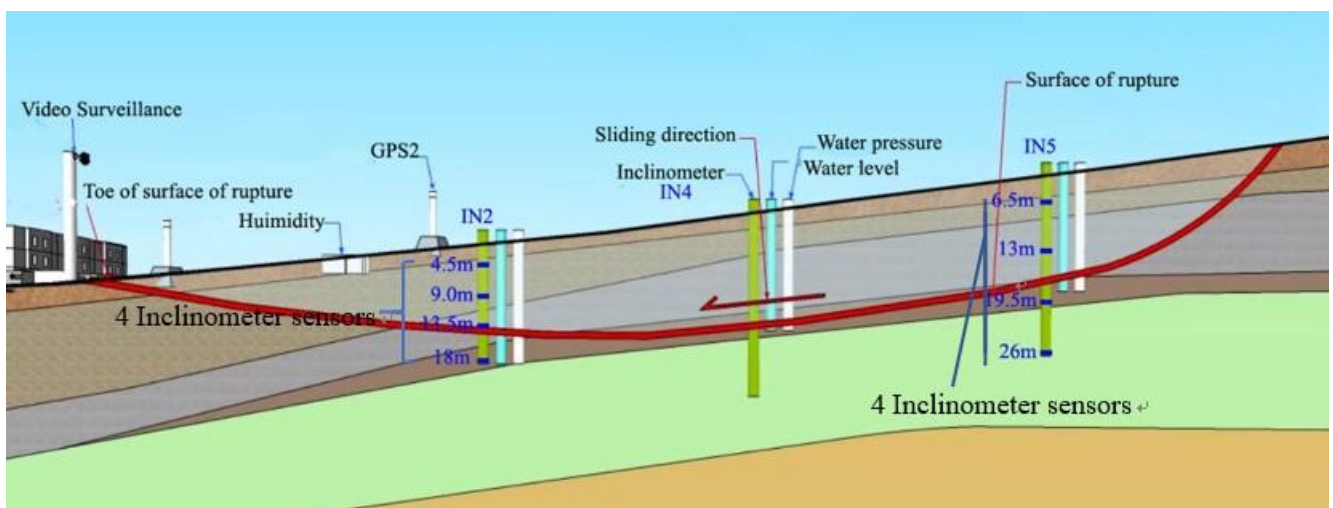Figure 1 Location of the studied landslide site
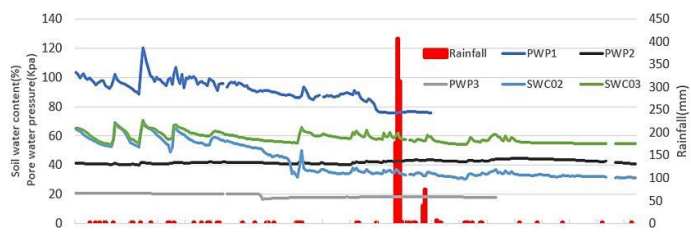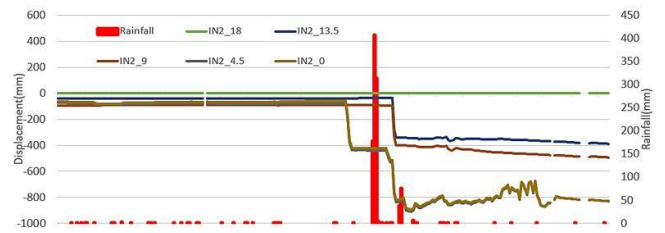

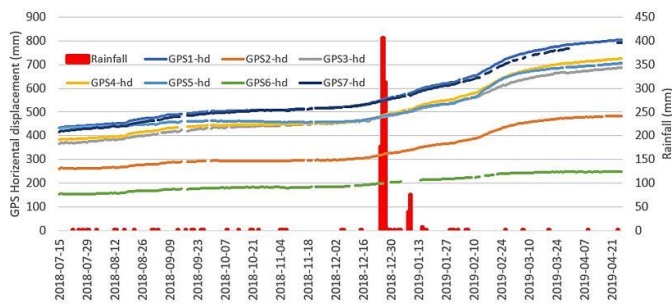Figure 2 Positions of the monitoring instruments

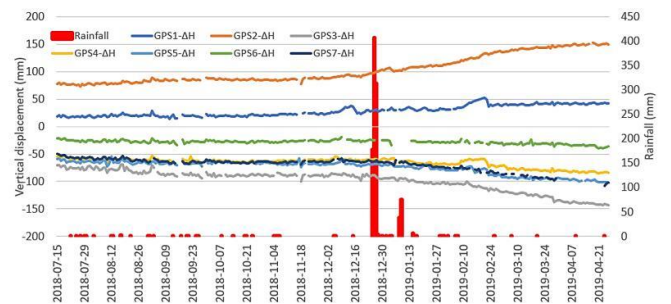Figure 3 Monitoring instruments on the landslide

(a) Soil water content, pore water pressure and rainfall

(b) Inclinometer and rainfall

(c) GPS horizontal displacement and rainfall

(d) GPS vertical displacement and rainfall

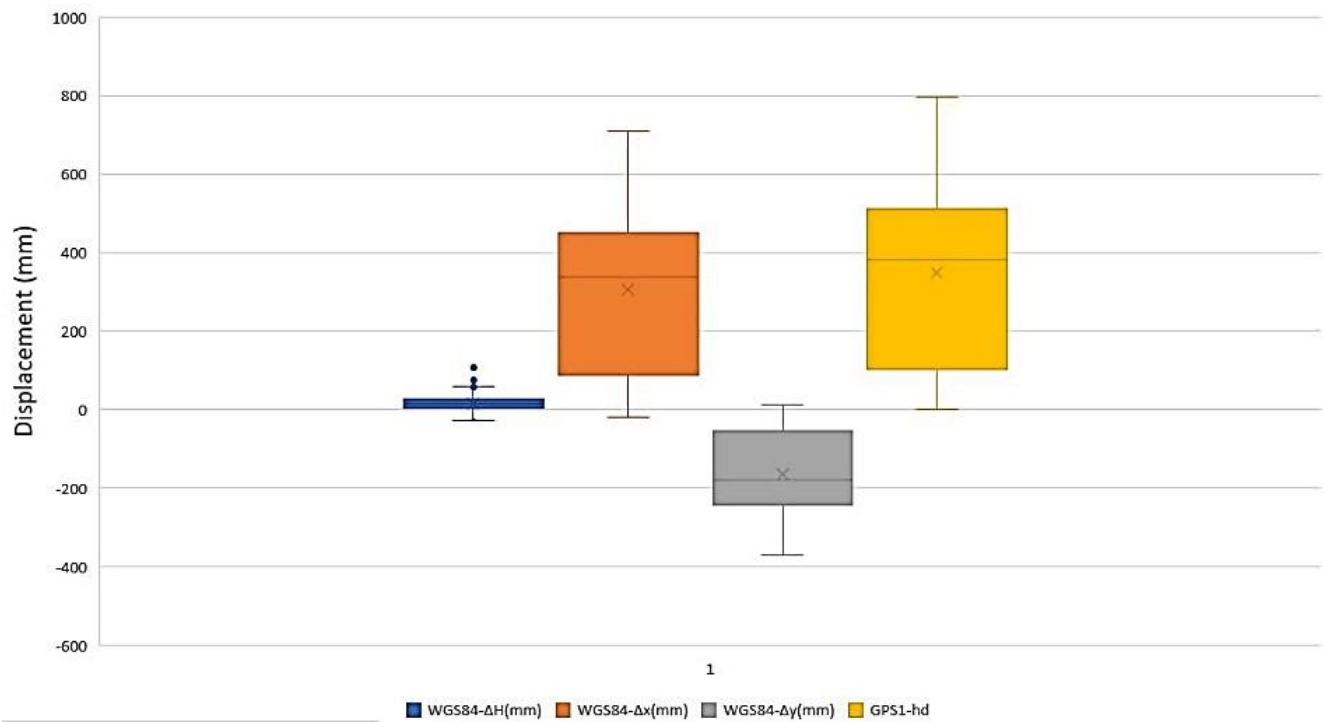Figure 4 Relationship between rainfall and the other monitoring data
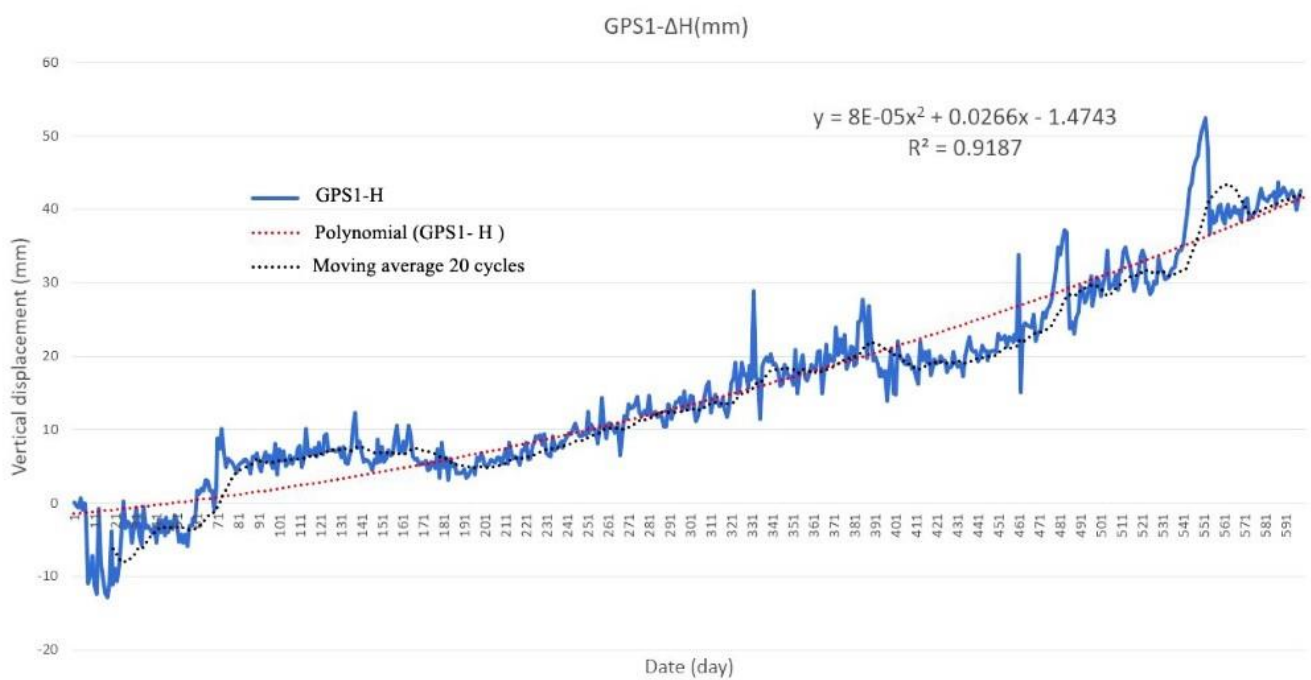
Figure 5 Box plots of GPS
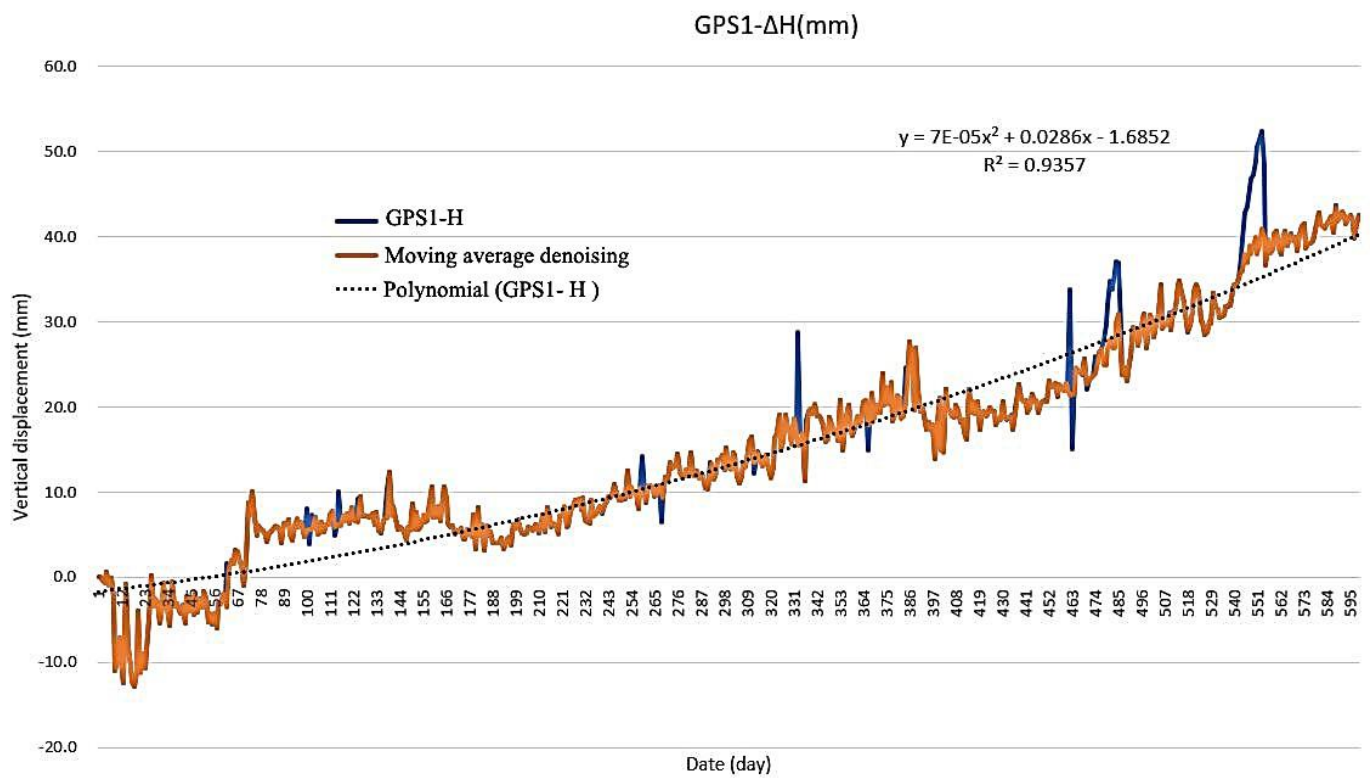

Figure 6 Vertical displacement and its fitting
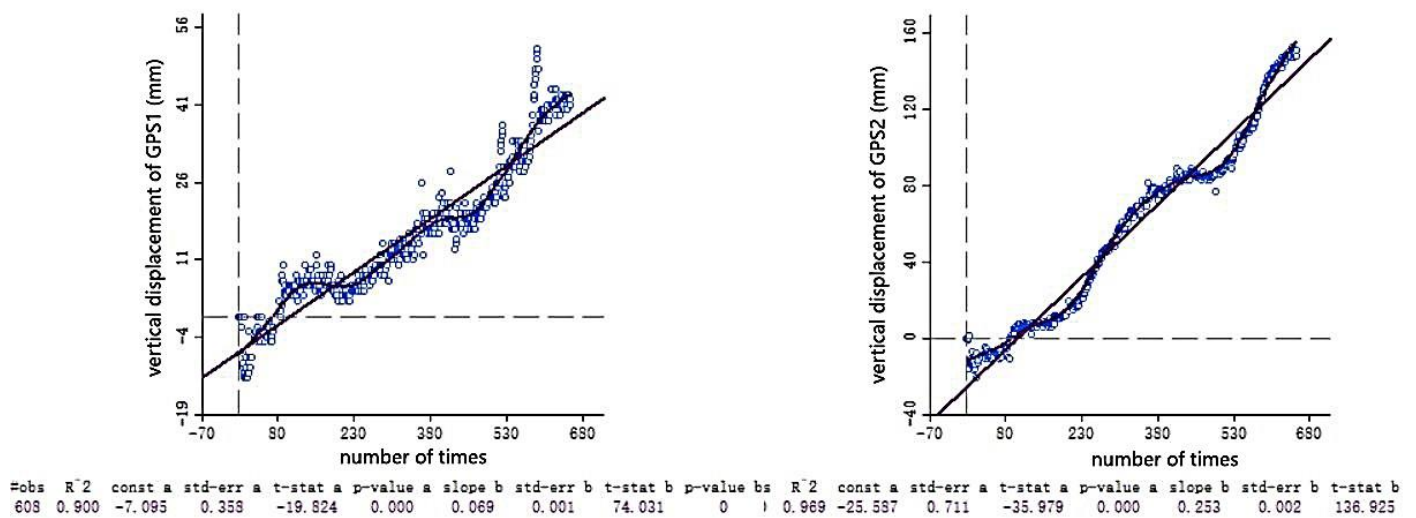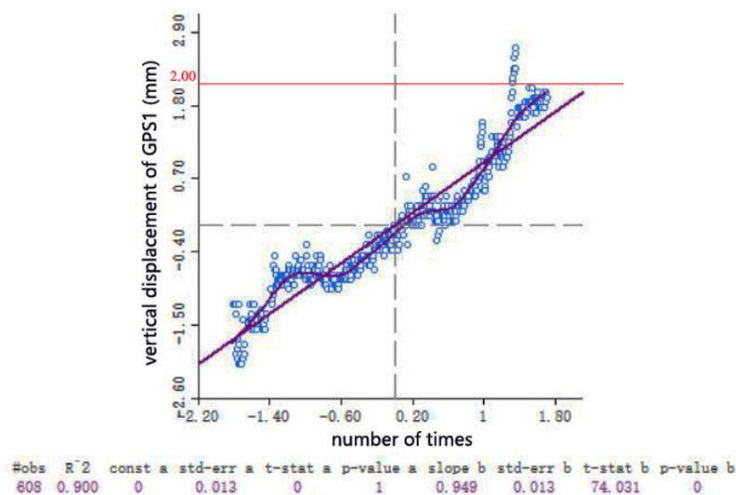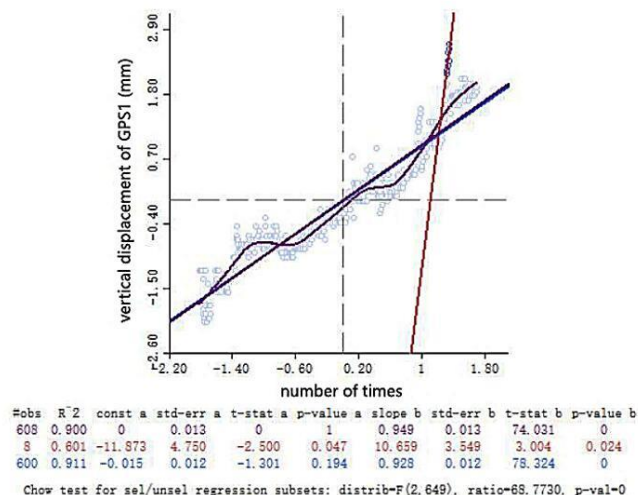
Figure 7 Vertical displacement and its fitting

Figure 8 Scatter plots of GPS1 and GPS2

	(a)Standardized data of GPS1		(b) Brushing the scatter plot of GPS1

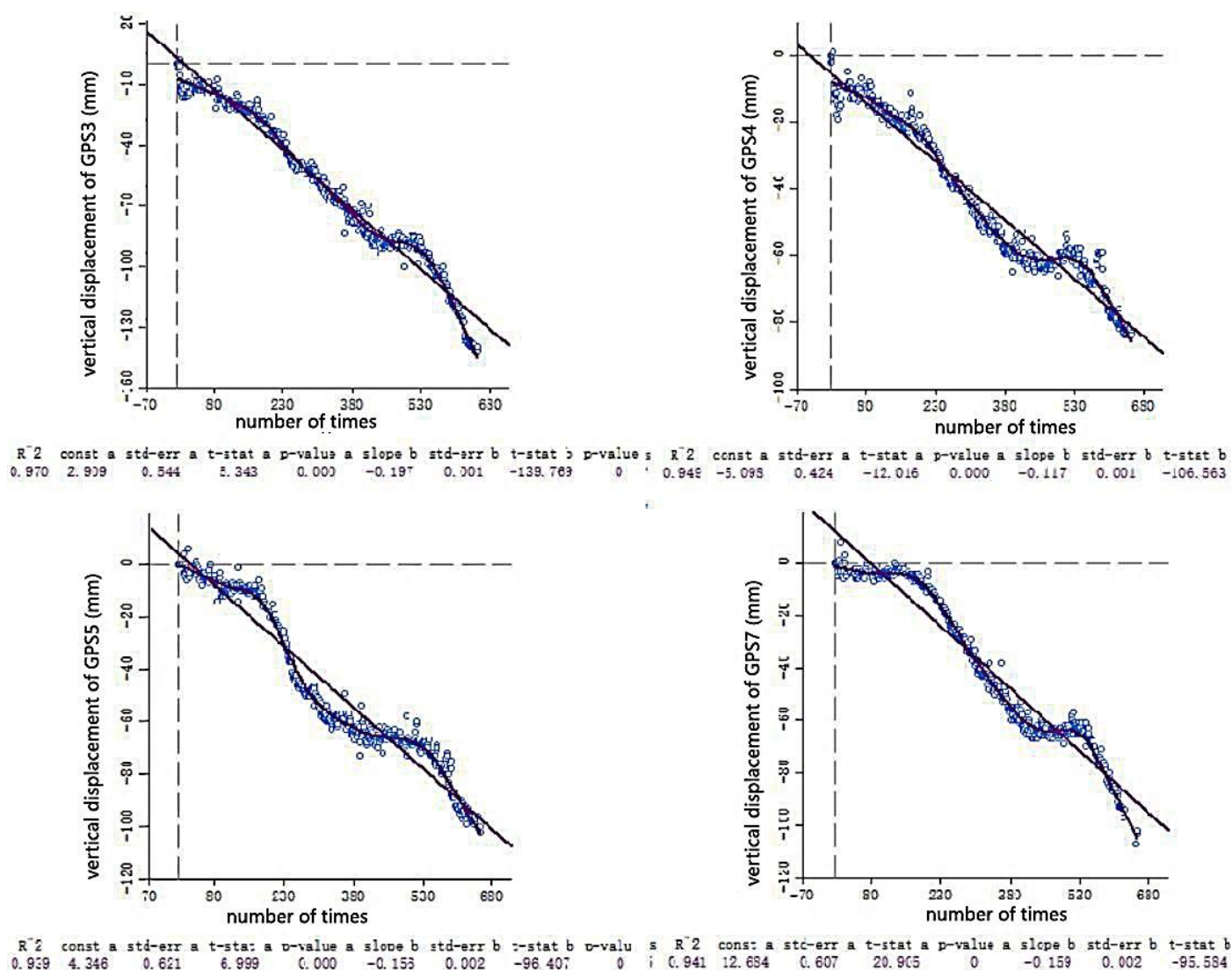Figure 9 Analysis data of GPS1

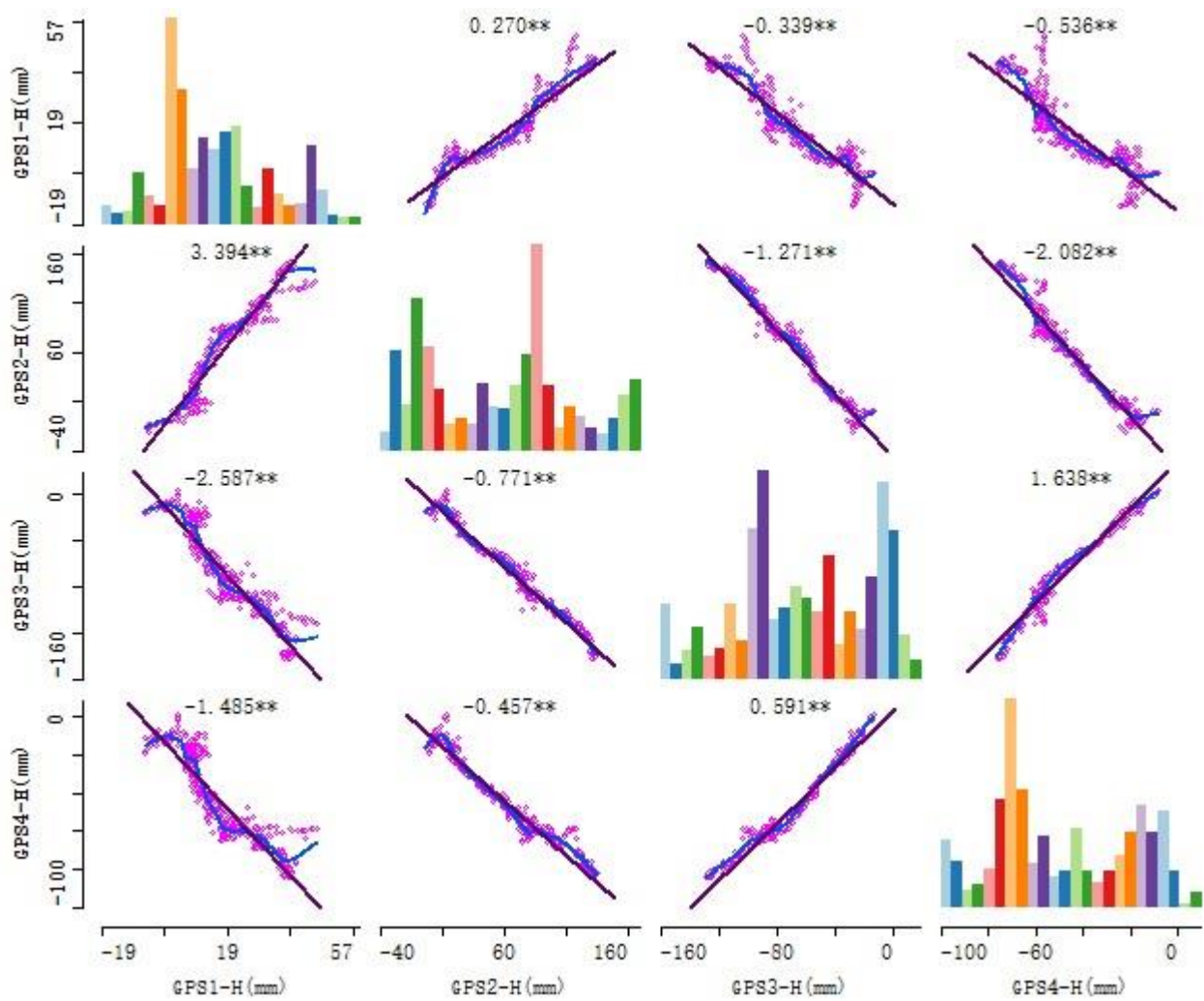Figure 10 Scatter plots of GPS3 GPS4 GPS5 and GPS7

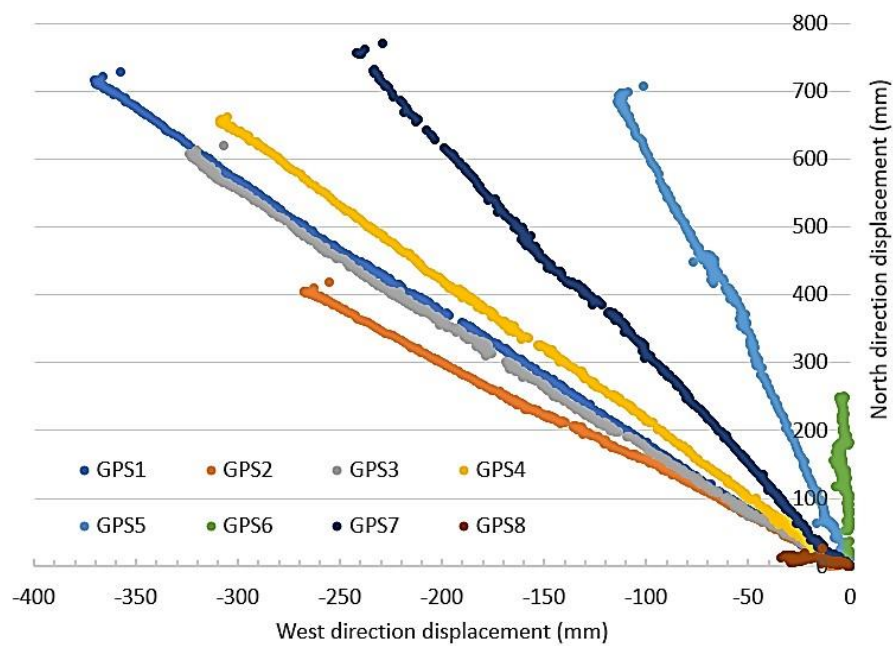Figure 11 Scatter plot matrix between GPS1 GPS2 GPS3 and GPS4

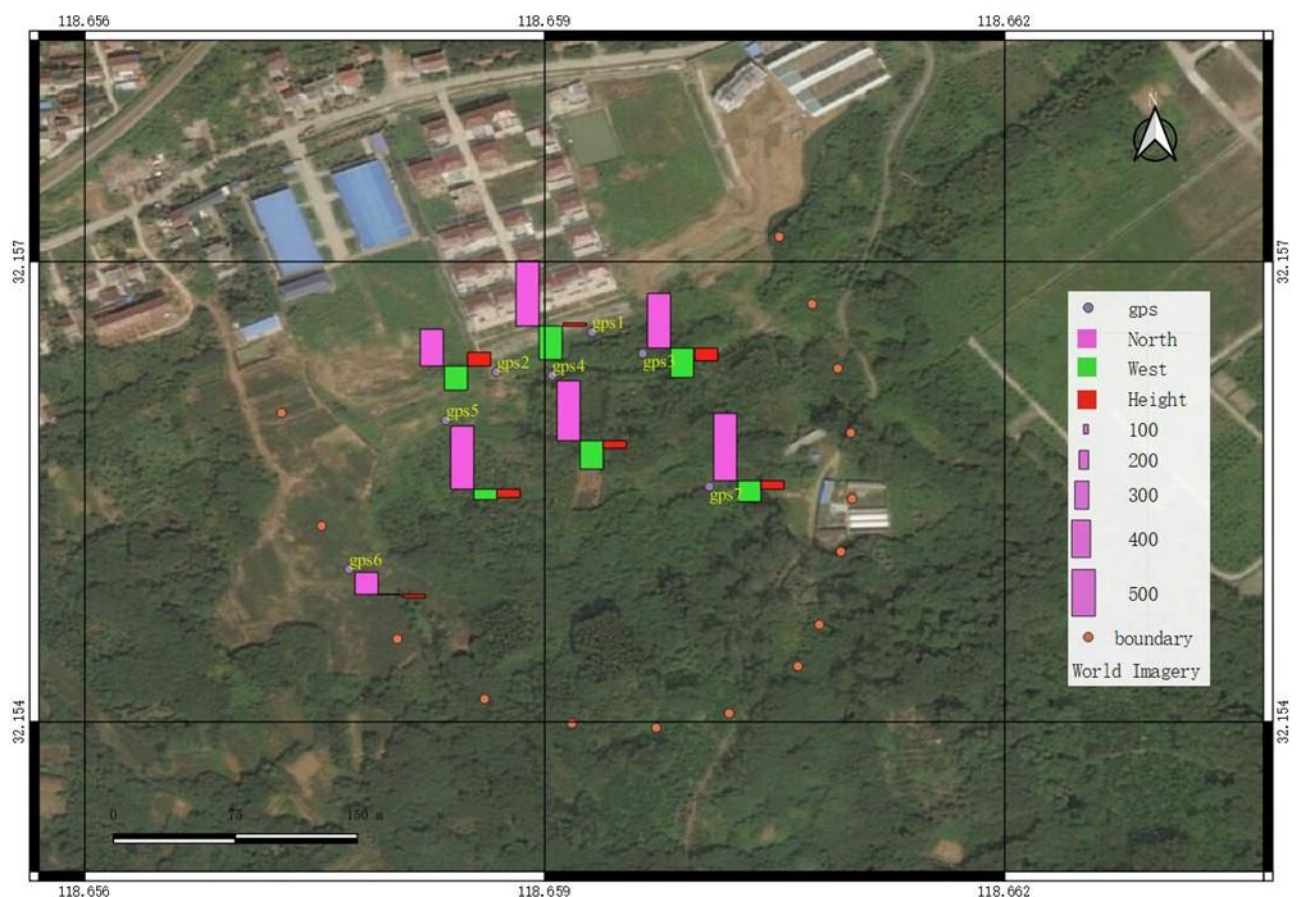Figure 12 GPS displacement from July 14th 2017 to May 1st 2019
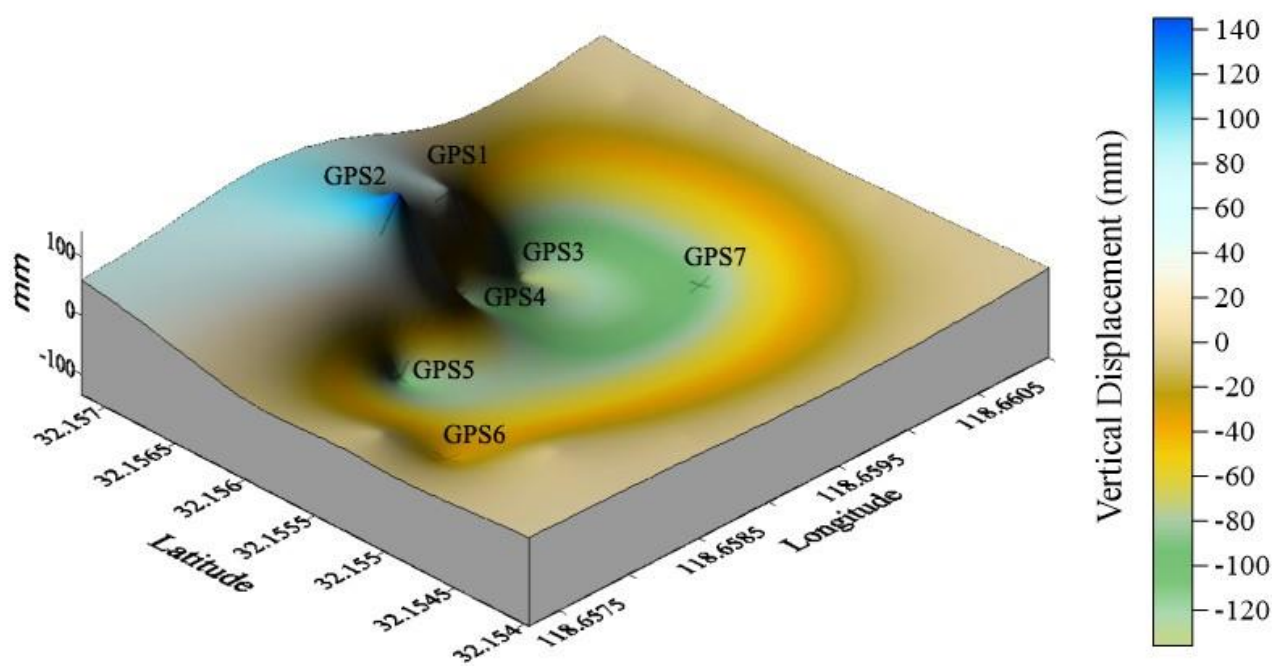
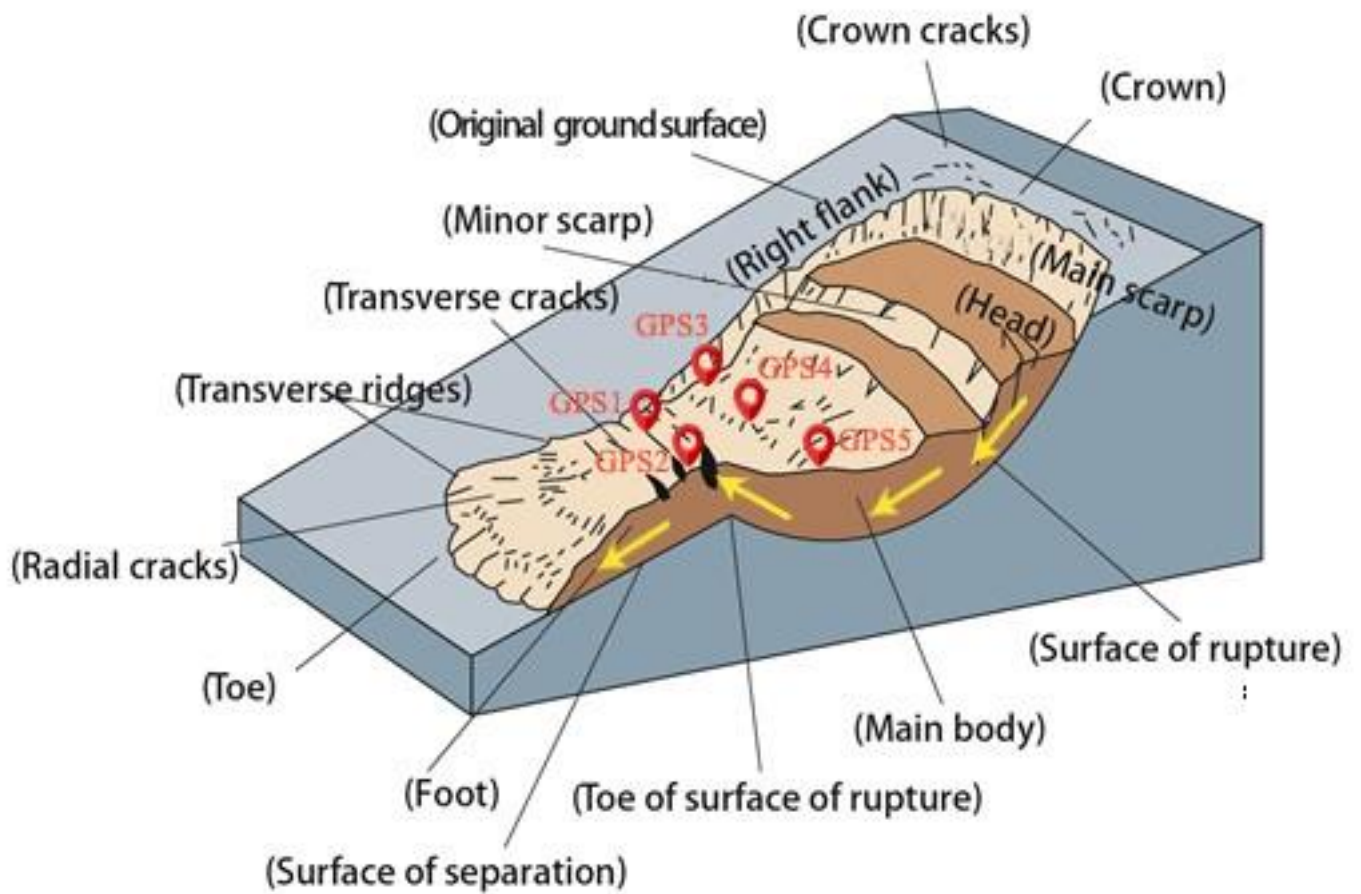Figure 13 Surface displacement visualization

Figure 14 3D graph on April 8th 2019

Figure 15 Zhutoushan landslide type based on Varnes 1978