**Supplementary Text: References of manuscripts of ancient documents**

The manuscripts of ancient documents with descriptions suggesting that a distant large-scale eruption occurred in AD 946–947 can be viewed on the following database and web pages.

National Diet Library Digital Collections (http://dl.ndl.go.jp/)

Kohuku-ji Nendaiki

http://dl.ndl.go.jp/info:ndljp/pid/769252

Frame Number: 45

Goryeosa

http://dl.ndl.go.jp/info:ndljp/pid/991068

Frame Number: 24

Nihon Kiryaku

http://dl.ndl.go.jp/info:ndljp/pid/991095

Frame Number: 428

Historiographical Institute the University of Tokyo (http://www.hi.u-tokyo.ac.jp/index-j.html)

Tei-shin Koki

https://clioimg.hi.u-tokyo.ac.jp/viewer/view/idata/850/8500/06/0801/0242?m=all&s=0269&n=20