



Automatic detection for a comprehensive view of Mayotte seismicity

Détection automatique pour une vision globale de la sismicité de Mayotte

Lise Retailleau[Ⓢ] *, *a, b*, Jean-Marie Saurel[Ⓢ] *a*, Marine Laporte[Ⓢ] *c*, Aude Lavayssière[Ⓢ] *a*,
Valérie Ferrazzini[Ⓢ] *a, b*, Weiqiang Zhu[Ⓢ] *d*, Gregory C. Beroza[Ⓢ] *d*, Claudio Satriano[Ⓢ] *a*,
Jean-Christophe Komorowski[Ⓢ] *a* and OVPF Team^{a, b}

^a Université Paris Cité, Institut de Physique du Globe de Paris, CNRS, 1 rue Jussieu,
F-75005 Paris, France

^b Observatoire volcanologique du Piton de la Fournaise, Institut de Physique du
Globe de Paris, 14 RN3 - Km 27, F-97418 La Plaine des Cafres, La Réunion, France

^c CEA, DAM, DIF, F-91297 Arpajon, France

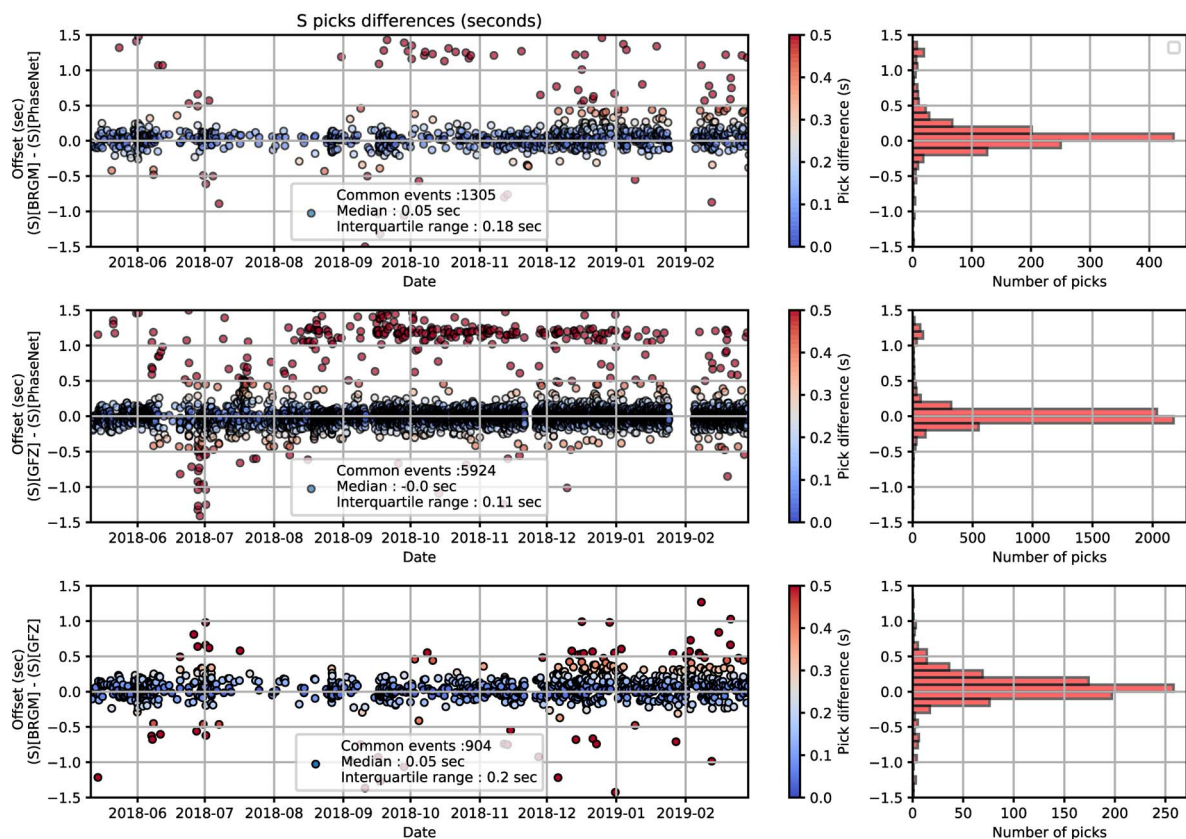
^d Department of Geophysics, Stanford University, 397 Panama Mall, Stanford, CA,
USA

E-mails: retailleau@ipgp.fr (L. Retailleau), saurel@ipgp.fr (J.-M. Saurel),
marinelaporte.ensg@gmail.com (M. Laporte), lavayssiere@ipgp.fr (A. Lavayssière),
ferraz@ipgp.fr (V. Ferrazzini), zhuwq@stanford.edu (W. Zhu), beroza@stanford.edu
(G. C. Beroza), satriano@ipgp.fr (C. Satriano),
jeanchristophe.komorowski@gmail.com (J.-C. Komorowski), peltier@ipgp.fr
(OVPF Team)

* Corresponding author.

Outliers S picks made with PhaseNet

Supplementary Figure 9 represents the S-pick time differences between catalogs, keeping outliers.



Supplementary Figure 9. S-pick time differences including outliers (left, for each event; right, distribution for all events). From top to bottom: comparison between PhaseNet and BRGM catalogs, comparison between PhaseNet and GFZ catalogs, comparison between GFZ and BRGM catalogs.