Reversals in geodetically observed surface motions suggests enhanced slab pull in the months preceding Maule M_w 8.8 and Tohoku-oki M_w 9.0 earthquakes

Jonathan Bedford^{1*}, Marcos Moreno², Zhiguo Deng¹, Onno Oncken^{1,3}, Bernd Schurr¹, Timm John³, Juan Carlos Báez⁴, and Michael Bevis⁵

- 1. Helmholtz Centre Potsdam, GFZ German Research Centre for Geosciences, Potsdam, Germany.
- 2. Departamento de Geofísica, Universidad de Concepción, Concepción, Chile.
- 3. Institute of Geological Sciences, Freie Universität Berlin, Berlin, Germany.
- 4. University of Chile, National Seismological Centre, Santiago, Chile.
- 5. School of Earth Sciences, Ohio State University, Columbus, OH, USA.
- *jbed@gfz-potsdam.de

Dear fellow EGU 2020 participants,

Our contribution was supposed to be an oral presentation in which we planned to show the results of our recently published paper:

"Months-long thousand-kilometre-scale wobbling before great subduction earthquakes"

Considering EGU's decision make the displays available with a Creative Commons license, we are using this display to simply link to these recently published results (as showing figures in this display could violate existing copyright agreements with Springer-Nature).

https://doi.org/10.1038/s41586-020-2212-1

If you do not have access to this journal, you can find a read-only version of the paper here:

https://rdcu.be/b3RPv

If you are short on time, we suggest you check out the Videos.