

Nicholas K. Voss

School of Geosciences, University of South Florida, 4202 E. Fowler Ave, SCA 216 Tampa FL 33620 –
5550 USA

nvoss@mail.usf.edu

Education:

B.Sc Geology, minors in Math and Ecosystem Science and Policy, University of Miami, Florida 2013

Current: Ph.D. program, Geosciences, University of South Florida, Florida: Enrolled Fall 2013

Honors and Awards:

University of Miami Deans List 2011:2013

University of Miami Undergraduate Research Symposium 2013, Best Poster Presentation: Physical Sciences

Tharp Award, 'Frictional Settings of sliding surfaces in multiple settings', University of South Florida, Spring 2016

Publications:

Dixon, T. H., Jiang, Y., Malservisi, R., McCaffrey, R., **Voss, N.**, Protti, M., & Gonzalez, V. (2014). Earthquake and tsunami forecasts: Relation of slow slip events to subsequent earthquake rupture. *Proceedings of the National Academy of Sciences*, 111(48), 17039-17044.

Malservisi, R., Schwartz, S. Y., **Voss, N.**, Protti, M., Gonzalez, V., Dixon, T. H., & Vayenko, D. (2015). Multiscale postseismic behavior on a megathrust: The 2012 Nicoya earthquake, Costa Rica. *Geochemistry, Geophysics, Geosystems*, 16(6), 1848-1864.

Invited Presentations:

54th Meeting of the Civil GPS Service Interface Committee (CGSIC), September 8, 2014 Tampa Florida "The Earthquake Cycle in Nicoya Peninsula, Costa Rica"

South Florida Water Management District, February 12, 2013, "Far-Field Effects of Large Earthquakes on the Floridan Aquifer"

Abstracts:

Nicholas K Voss, Timothy H Dixon, Zhen Liu, Rocco Malservisi, Susan Y Schwartz, Marino Protti and Victor Gonzalez (2016) Slow Slip Events and the earthquake cycle beneath Nicoya Peninsula, Costa Rica, II Regional Assembly of the Latin America and Caribbean Seismological Commission, San Jose Costa Rica

Nicholas K Voss, Timothy H Dixon, Zhen Liu, Rocco Malservisi, Susan Y Schwartz, Marino Protti and Victor Gonzalez (2016) Post earthquake slow slip following the 2012 Nicoya Earthquake (94109) AGU Chapman Conference, Ixtapa, Mexico

Nicholas Voss, Zhen Liu, Rocco Malservisi, Timothy Dixon, Jian Yang, Susan Schwartz and Marino Protti (2014) Time dependent characteristics of Slow Slip Events beneath the Nicoya Peninsula, Costa Rica S53C-4518 2015 AGU Fall Meeting

Nicholas Voss, Rocco Malservisi, Timothy Dixon, Zhen Liu, Yan Jiang, Marino Protti and Victor Gonzales (2015) Multiple modes of subduction zone slip during the earthquake cycle: Nicoya, Costa Rica. 3rd International Summer School for Earthquake Science. Lake Yamakako Japan.

Nicholas Voss, Rocco Malservisi, Timothy Dixon, Yan Jiang(2015) Comparing subduction zone strain observations in Costa Rica and Cascadia, Earthscope National Meeting, Stowe, Vermont

Nicholas Voss, Timothy Dixon, Rocco Malservisi, Jian Yang, and Marino Protti (2014) Stress evolution within the seismogenic zone due to Slow Slip Events, Nicoya Peninsula, Costa Rica S53C-4518 2014 AGU Fall Meeting

Nicholas Voss and Shimon Wdowinski (2013) Far Field Effects of Large Earthquakes on South Florida's Confined Aquifer H13B-1430 2013 AGU Fall Meeting

Relevant Experience:

Convener 2016 IASPEI Regional Assembly Latin-american and Caribbean Seismological Commission. Session June 20th-22nd : Slow Slip Events, Very-long period events, and tectonic tremors.

2013/2016 Teaching Assistant, University of South Florida:

- Essentials of Geology Laboratory (Fall 2013, Fall 2014)
- Natural Hazards (Fall 2015, Spring 2015, Fall 2016, Spring 2016)
- Physics of the Solid Earth (Spring 2014, Spring 2015, Spring 2016)
- Scientific Communication (Spring 2016)

2012 Senior Thesis:

“The Effects of Large Earthquakes on South Florida’s Confined Aquifer”

Advisor: Dr. Shimon Wdowinski

Summer 2011 Internship:

Applied Marine Physics, RSMAS, University of Miami

Advisor: Dr. Neil Williams