Replication Notes for Dan Reiter, "Security Commitments and Nuclear Proliferation," *Foreign Policy Analysis*
October 17, 2012
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This memo describes the data used in Dan Reiter, "Security Commitments and Nuclear Proliferation," *Foreign Policy Analysis*.

The principal original data collection was of the foreign deployments of American nuclear weapons. The actual codings of the deployments are described in Table 1 of the article. The sources used to construct the deployment codings include the following:

"Appendix B- Deployments by Country, 1951-1977." 1999. *Bulletin of the Atomic Scientists* 55 (November/December): 66-67.

Arkin, William M. Robert S. Norris, and Joshua Handler. 1998. *Taking Stock: Worldwide Nuclear Deployments 1998*. Washington, DC: Natural Resources Defense Council.

Arkin William M and Richard W. Fieldhouse. 1985. *Nuclear Battlefields: Global Links in the Arms Race*. Cambridge: Ballinger Publishing Company.

Arkin, William M. and Richard W. Fieldhouse. 1985. "Focus on the Nuclear Infrastructure." *Bulletin of the Atomic Scientists* June/July (41): 11-15.

Chalmers, Malcolm and Simon Lunn. 2010. "NATO's Tactical Nuclear Dilemma." Royal United Services Institute, March. Available at http://www.rusi.org/downloads/assets/NATOs_Nuclear_Dilemma.pdf.

Cochran, Thomas B., William M. Arkin, and Milton M. Hoenig. 1984. *Nuclear Weapons Databook, Volume 1: U.S. Nuclear Forces and Capabilities*. Cambridge, MA: Ballinger.

Duke, Simon. 1989. *United States Military Forces and Installations in Europe.* Oxford: Oxford University Press.

Imai, Ryukichi. 1993. "Asian Ambitions, Rising Tensions" *Bulletin of the Atomic Scientists* 49 (June): 33-36.

Kenna, Kathleen. 1999. "Canada Housed U.S. Nuclear Weapons: Report, Arms Stored In 27 Countries During Cold War, Analysts Say." *Toronto Star*, October 20.

Kristensen, Hans M. 1995. "The 520 Forgotten Bombs." Greenpeace International, unpublished manuscript. April 18. Available at http://www.nukestrat.com/pubs/520bombs.pdf.

Kristensen, Hans M. 1999. "Japan Under the Nuclear Umbrella: U.S. Nuclear Weapons and Nuclear War Planning In Japan During the Cold War." The Nautilus Institute, unpublished paper. July.

Kristensen, Hans M. 2005. *U.S. Nuclear Weapons in Europe: A Review of Post-Cold War Policy, Force Levels, and War Planning*. Washington: Natural Resources Defense Council.

Kristensen, Hans M. 2007. "U.S. Nuclear Weapons in Europe After the Cold War." Presentation delivered at Nuclear Proliferation: History and Current Problems, Florence, Italy, October 4-5, 2007. Available at http://www.nukestrat.com/pubs/Brief_Italy2007.pdf.

Mahoney, Sean M. 2007. *Learning to Love the Bomb: Canada's Nuclear Weapons During the Cold War*. Washington: Potomac Books.

Norris, Robert S. and William M. Arkin. 1999. "Where They Were." *Bulletin of the Atomic Scientists* 55 (November/December): 26-35.

Norris, Robert S. and William M. Arkin. 1992. "Where the Bombs Are." *Bulletin of the Atomic Scientists* 48 (September): 48-49.

Office of the Assistant to the Secretary of Defense. 1978. "History of the Custody and Deployment of Nuclear Weapons: July 1945 through September 1977." Washington: Department of Defense. February. Available at http://www.dod.mil/pubs/foi/operation_and_plans/NuclearChemicalBiologicalMatters/306.pdf.

Pincus, Walter . 1999. "Study Says U.S. Secretly Placed Bombs: Cold War Deployments Affected Mostly Allies." *Washington Post*, October 20.

US Strategic Air Command. 1958. "History of the Strategic Air Command, 1 January 1958-30 June 1958." Historical Study No. 73, Volume 1 , Extract only. Available at http://www.nukestrat.com/us/afn/SACdep58.PDF.

The sources for the other variables are described in the data set. There are brief descriptions of the variables embedded in the STATA data sets.

The empirical analyses can be replicated using two different data sets, a STATA 11.2 data set on nuclear acquisition (reiterfpanucacq.dta), and a STATA 11.2 data set on nuclear pursuit (reiterfpanucpurs.dta).

As described in the article, separation issues may mean that if you analyze these data using the same research design but a different statistical program, you may get different results. All results reported in the article are obtained using STATA 11.2.

Using the acquisition data set:

stcox nucass gdpcap g2 industry rivalry allies polity, cluster (cowcc) nohr efron

*This replicates Model 1 from Table 4.

stcox nucass gdpcap g2 industry usnuc ustroops usnucdp sqrtmid10 polity, cluster (cowcc) nohr efron

*This replicates Model 2 from Table 4.

stcox nucass NCAtodate gdpcap g2 industry usnuc ustroops usnucdp sqrtmid10 polity, cluster (cowcc) nohr efron

*This replicates Model 3 from Table 4.

stcox nucass gdpcap g2 industry usnuc sunucdp chnucdp ustroops usnucdp sqrtmid10 polity, cluster (cowcc) nohr efron

*This replicates Model 6 from Table 5.

stcox nucass NCAtodate gdpcap g2 industry usnuc sunucdp chnucdp ustroops usnucdp sqrtmid10 polity, cluster (cowcc) nohr efron

*This replicates Model 7 from Table 5.

Using the nuclear pursuit data set:

stcox nucass gdpcap g2 industry usnuc ustroops usnucdp sqrtmid10 polity, cluster (cowcc) nohr efron

*This replicates Model 4 from Table 5.

stcox nucass NCAtodate gdpcap g2 industry usnuc ustroops usnucdp sqrtmid10 polity, cluster (cowcc) nohr efron

*This replicates Model 5 from Table 5.