**ScienceHub – “Added Value via SPI” (*ScID*: A-zw4g; *Research Effort Lead*: Tanya Spero)**

**Supplement – 26 August 2016**

This entry into ScienceHub covers the following article:

Bowden, J. H., K. D. Talgo, T. L. Spero, and C. G. Nolte, 2016: Assessing the added value of dynamical downscaling using the Standardized Precipitation Index. *Adv. in Meteorol.*, 14 pages, doi:10.1155/2016/8432064.

This research effort primarily supports ACE 155 (under MDST-4) in the FY12-15 RAP, and ACE AIMS-2.3 (ACE 6.02) in the FY16-19 StRAP. This is the Dynamical Downscaling task.

This research effort was conducted under contract with UNC-Chapel Hill Institute for the Environment under contract EP-W-09-023 using data created on the EPA HPC platform “sol” and using data created by UNC on their computing platform.

The downscaled WRF simulations used for this research effort were created by CSC (now CSRA) under Work Assignment E32, Task 5. The post-processed fields used here are stored in:

Sol:/asm/CLIMSIM/downscale/E32/task5/wrfextr4/108-36NA2\_run2

Post-processing codes and scripts used in this research are in:

Sol:/home/ste/myprog/wrfextr4a

The EPA lead on this manuscript was Tanya Spero. Drafts of the manuscript and other supporting documentation are stored on her EPA laptop in:

Documents/articles/downscale\_spi\_bowden\_etal

Acronyms:

ACE Air, Climate, and Energy (one of the EPA’s National Research Programs)

HPC High Performance Computing

RAP Research Action Plan

StRAP Strategic Research Action Plan

UNC University of North Carolina

WRF Weather Research and Forecasting Model