

Job Ad Survey Update

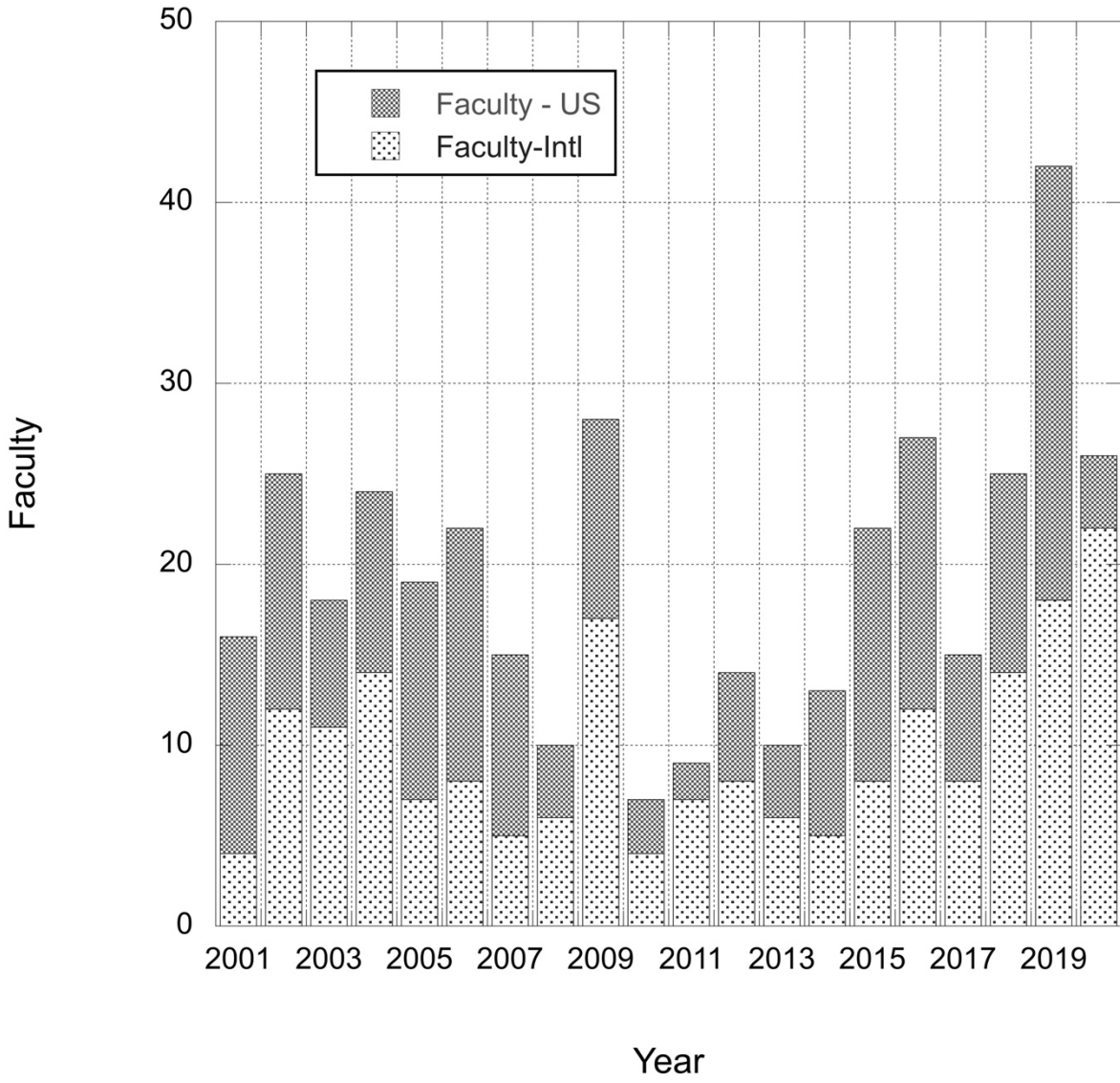
Mark B. Moldwin, University of Michigan

The previous 2013 Solar and Space Physics Decadal Survey (NRC, 2013) compiled the number of job ads posted in the AGU SPA and the AAS SPD Newsletters for postdoc, research scientist and faculty positions (Moldwin et al., 2013). An alarming finding was that global faculty job ads fell to seven in 2010 (just into the great recession of 2008/2009) from the typical 15 to 25 per year from 2001-2009. This study was repeated with the same methodology for the years 2011 to 2020 and the results are summarized here. It should be noted, that with COVID-19 there was a huge impact on Faculty positions in all disciplines in 2020 (Lankin, 2020) arguing for the need of regular updates of hiring trends in solar and space physics. The Deep Blue Data Base contains the data and data base used in the new updated study.

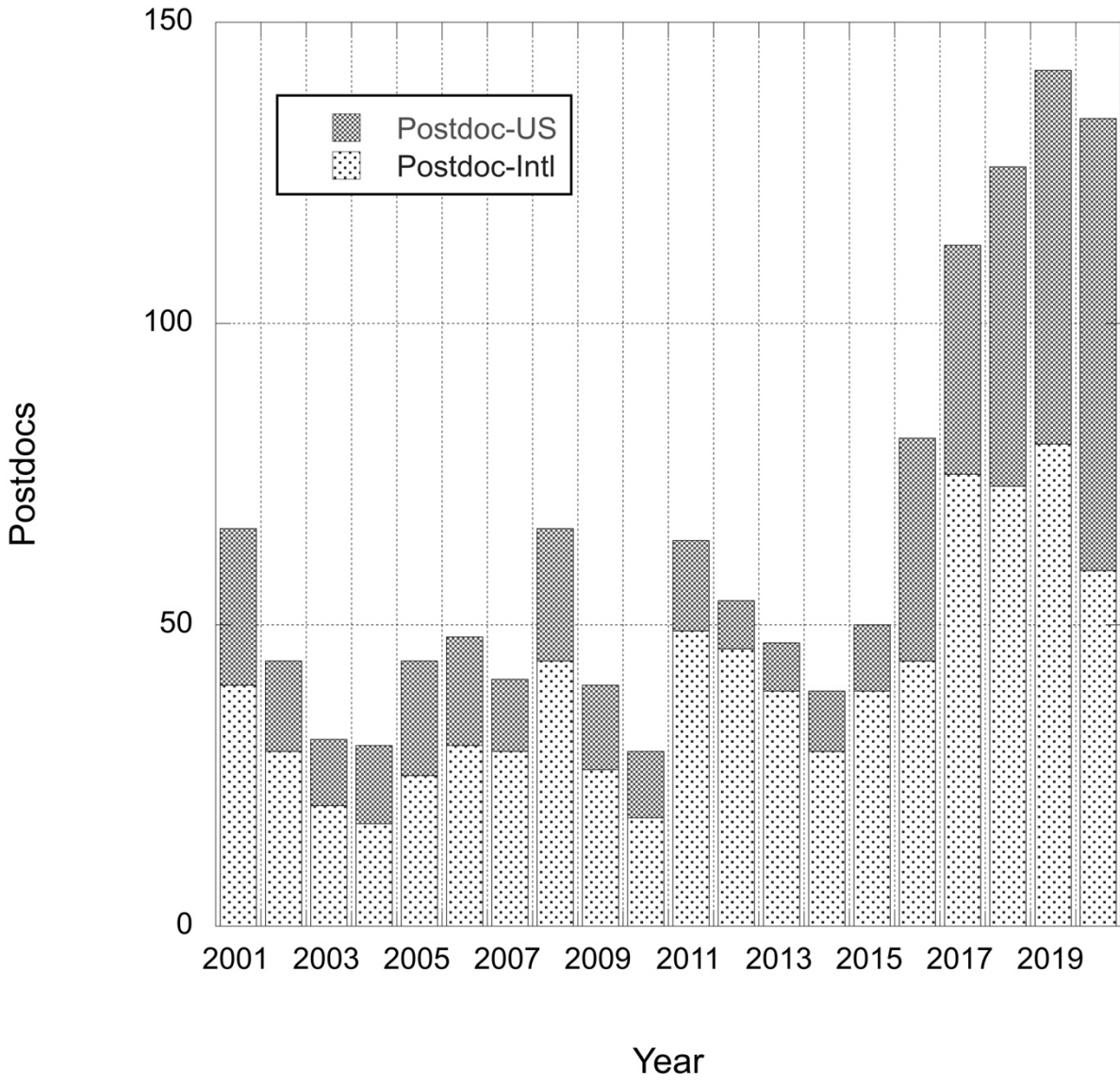
Summary of Results: For faculty positions, the numbers rebounded in 2011 through 2015 back to the 20 per year range and has effectively doubled since 2015 to the 30 to 40 per year range. For ease of observing change from previous survey, the plots below include the data from the previous decadal and paper.

The trends for Postdoc and Research Scientist positions shows similar trends this past decade – recovery to about 50 per year until 2015 and then increasing by a factor of 2 to 3 in the last have of the decade.

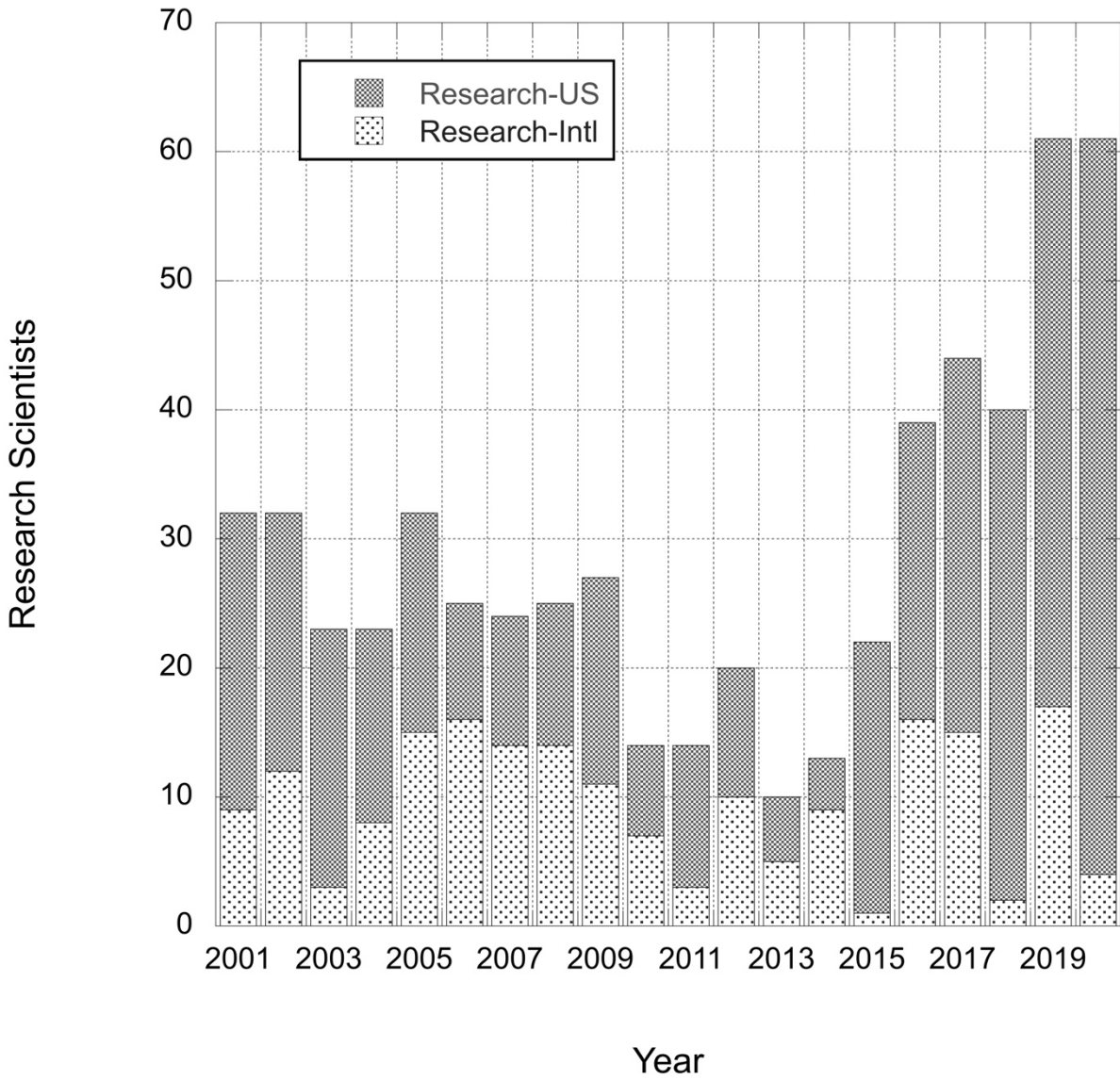
Faculty Job Ads in SPD and SPA Newsletters (no duplicates)



Postdoc Ads



Research Scientists



References

Katie Langin, U.S. faculty job market tanks. *Science* **370**, 272-273 (2020).
DOI: [10.1126/science.370.6514.272](https://doi.org/10.1126/science.370.6514.272)

Moldwin, M. B., J. Torrence, L. A. Moldwin, and C. Morrow (2013), Is there an appropriate balance between the number of solar and space physics PhDs and the jobs available?, *Space Weather*, 11, 445–448, doi:[10.1002/swe.20075](https://doi.org/10.1002/swe.20075).

National Research Council. 2013. *Solar and Space Physics: A Science for a Technological Society*. Washington, DC: The National Academies Press. <https://doi.org/10.17226/13060>.