

Qualifications

Physics, BS, Clarkson University

Physics, MS, University of Maryland, College Park

Physics, PhD, University of Maryland, College Park

Employment

Interim NCAR Assoc Dir

HAO Administrative Office

University Corporation for Atmospheric Research

Apr 1 2003 → present

Space Weather Advisory Group

NATIONAL SCIENCE AND TECHNOLOGY COUNCIL

United States

Oct 1 2024 → Sep 30 2027

Research outputs

Advancing Heliophysics and Space Weather Modeling Through Open Science

Corti, C., Kuznetsova, M. M., Reiss, M. A., Yue, J., Karpen, J., Arge, C. N., Bacchini, F., Bard, C., Bruinsma, S., Caplan, R. M., Daldorff, L. K. S., Deka, P. J., DeVore, C. R., Elvidge, S., Ganushkina, N., Huba, J. D., Jackson, B. V., Jordanova, V., Linker, J. A. & Liu, H. & 68 others, Luhmann, J. G., Markidis, S., Mayank, P., Merkin, V., Moens, N., Odstrcil, D., Omelchenko, Y. A., Palmroth, M., Poedts, S., Ridley, A. J., Shou, Y., Tenishev, V., Themens, D. R., Toth, G., Wang, W., Wilhelm, R. P., Young, M. A., Cecconi, B., Chou, M. Y., De Zeeuw, D., Delzanno, G. L., Didigu, C., El Alaoui, M., Fung, S., Green, J., Huang, Z., Jian, L. K., Landwer, L. J., Lesko, M., MacNeice, P., Masson, A., Mays, M. L., Mehta, P. M., Miesch, M. S., Palmerio, E., Petrenko, M., Provornikova, E., Rastätter, L., Rusaitis, L., Sachdeva, N., Samara, E., Sur, D., Taktakishvili, A., Topper, J., Tsui, T., Verbeke, C., Wang, J., Wiegand, C., Wiltberger, M., Zheng, Y., Bisi, M. M., Georgoulis, M. K., Kodikara, T., Pulkkinen, T., Chartier, A., da Silva, D., Faturahman, A., Garcia-Sage, K., Kondrashov, D., Ledvina, V. E., Liu, W., Pandey, C., Resnick, E., Shi, C., Weigel, R. S., Whitman, K., Zakharenkova, I. & Zhang, K., Jun 2026, In: Space Weather. 24, 6, e2025SW004922.

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Activities

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Wiltberger, M. (Speaker)

Aug 12 2025

When the Sun Strikes: How Space Weather Impacts our High-tech World

Wiltberger, M. (Speaker)

Jul 16 2025

MAGE OSS Release Tutorial

Wiltberger, M. (Adjoint Faculty)

Jun 27 2025

Mentoring of SOARS Student

Wiltberger, M. (Chair)

Jun 1 2025 → Aug 31 2025

Stephanie Ortiz

Wiltberger, M. (Host)

Jun 1 2025 → Sep 1 2025

Unraveling Geospace Storms with the MAGE Model: From Global Dynamics to Auroral Structures

Wiltberger, M. (Speaker)

May 16 2025

CGS Coding practices

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The May 2024 Solar and Geospace Superstorm Workshop

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