



**Curriculum Vita
October 2023**

Instructor: Samantha Kaj Blair, Adjunct Instructor of Astronomy
Academic College: College of Innovation and Design

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EDUCATION

Master of Studies in Law
Lewis and Clark Law, Expected Dec 2023

Doctor of Philosophy
University of Georgia, 2008

Masters of Science
Auburn University, 2000

Bachelors of Science
Auburn University, 1997

TEACHING EXPERIENCE

August 2013 – present , Associate Professor of Physics and Astronomy, Dalton State College, Dalton, GA USA

January 2019 – present, Adjunct Faculty in Physics, eCORE USG System

January 2004 – August 2017, Adjunct Faculty in Astronomy and Biology, GSU Perimeter College, GA USA

PUBLICATIONS

1. "SETI Observations of Exoplanets with the Allen Telescope Array," (In submission, July 2016) Harp, G.R., Richards, J. C., Dreher, J., Jordan, J., Shostak, S., Smolek, K., Kilsdonk, T., Wilcox, B.T., Wimberly, M.K. R., Ross, J., Barott, W., Ackermann, R., F., and **S.K. Blair**. Submitted to Astrophysical Journal.
2. "LCROSS (Lunar Crater Observation and Sensing Satellite) Observation Campaign: Strategies, Implementation, and Lessons Learned,"(2012) J.L. Heldman et al., (**S.K Blair 13/56 authors**); Space Science Reviews Vol 167, No 1-4. 93-140.

3. "The Allen Telescope Array Pi GHz Sky Survey II. Daily and Monthly Monitoring for the Transients and Variability in the Bootes Field", (2011) Bower G.C., Whysong, D., **Blair, S.**, Croft, S., Keating, G., Law, C., Williams, P.K., Wright M.C.H. The Astrophysical Journal, Volume 739, Issue 2, article id. 76.

4. "Primary Beam and Dish Surface Characterization at the Allen Telescope Array by Radio Holography," Harp, G. R., Ackermann, R.F., Nadler, Z. J., **Blair, S.K.**, Davis, M. M., Wright, M.H.C., Forester, J.R., DeBoer, D., Welch, J. (2011) IEEE Transactions on Antennas and Propagation, Vol 59, Issue 6, pp. 2004-2021.
5. "Formaldehyde in the far Outer Galaxy: Constraining the Outer Boundary of the Galactic Habitable Zone," **Blair, Samantha K.**, Magnani, Loris, Brand, Jan, Wouterloot, Jan, G.A.; Astrobiology, Volume 8, Issue 1; 2008; p. 59-73.
6. "CH 3 GHz Observations of Molecular Clouds along the Galactic Plane," Magnani, Loris; **Lugo, Samantha**; Dame, T.M.; The Astronomical Journal; Volume 130; Issue 6; 2005; p. 2725--2731.
7. "Life at the edge of methane ice: methane and sulfate reduction in sediments from the Gulf of Mexico cold seeps," Orcutt, B.N., Boetius, A., **Lugo, S.K.**, MacDonald, V., Samarkin, V, Joye, S.B. Chemical Geology; 205(3/4); 2004.
8. "The anaerobic oxidation of methane and sulfate reduction in sediments from the Gulf of Mexico cold seeps," Joye, S.B., Boetius, A., Orcutt, B.N., Montoya, J.P., Schulz, H.N., Erickson, M.J., **Lugo, S.K.**; Chemical Geology; 205(3/4); 2004; p. 219-238.
9. "Required sequence elements for chloroplast DNA replication activity in vitro and in electroporated chloroplasts," **Samantha K. Lugo**, Muthusamy Kunnimalaiyaan, Narendra Singh, Brent L. Nielsen; Plant Science; Volume 166; 2004; p.151-161.

RESEARCH GRANTS AND AWARDS

01/10/2023, Radio Jove 2.0, NASA, \$10,000