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Professional experience:

Research Associate Professor, Flathead Lake Biological Station, Division of Biological Sciences, The University of Montana (2004 - present).

Adjunct Associate Professor, Department of Ecosystem and Conservation Sciences, College of Forestry and Conservation, The University of Montana (2004-present).

Research Assistant Professor, Flathead Lake Biological Station, Division of Biological Sciences, The University of Montana (1999 - 2004).

Project Scientist, Numerical Terradynamic Simulation Group, The University of Montana (1997 - Present).

Post-Doctoral Researcher, School of Forestry / NTSG, University of Montana (1995-97).

Graduate Research Assistant, Bioresource Engineering Department, Oregon State University, and US EPA Environmental Research Lab., Corvallis OR (1990-95).

Graduate Research and Teaching Assistant, Geography Department, San Diego State University (1988-90)

Education:

Ph.D. 1995. Bioresource Engineering and Geosciences, Oregon State University, Corvallis OR (R. Cuenca and D. Marks, advisors);

M.A. 1990. Physical Geography, San Diego State University, San Diego CA (A. Hope and D. Stow, advisors);

B.A. 1987. Physical Geography, San Diego State University, San Diego CA.

Synergistic activities:

NASA SMAP Mission Science Transition Team (2008-present); NASA EOS MODIS and AMSR-E instrument science teams (2004-present); Associate Editor, Canadian Journal of Remote Sensing (2007-present); NASA Earth Science Data System Working Group (DSWG; 2007-present); NASA North American Carbon Program (NACP) Principal Investigator (2006-present); NSF NEON Board Member Representative for the University of Montana (2007-present); Technical Committee for ESA/AIMES Workshop on Coupling Earth System Models and Earth Observation for the Northern High Latitudes, 2007 (<http://www.congex.nl/07m13>); NASA ESSP Hydros mission science team (2000-2006); Associate member, ICARP-II Working Group on the Arctic terrestrial and freshwater biosphere and biodiversity (WG8, 2006); NASA LSHP Cold Land Processes Mission Steering Committee (1999-2005); BOREAS and BOREAS Follow-on science teams (1994-1999);

Peer-reviewed publications:

Kimball, J.S., 2008. Book review of "Earth Observation of Global Change - The Role of Satellite Remote Sensing in Monitoring the Global Environment", Emilio Chuvieco (Ed.). *Eos* (in press).

- McGuire, A.D., J.E. Walsh, **J.S. Kimball**, J.S. Clein, S.E. Euskirchen, S. Drobot, U.C. Herzfeld, J. Maslanik, R.B. Lammers, M.A. Rawlins, C.J. Vörösmarty, T.S. Rupp, W. Wu, and M. Calef, 2008. The Western Arctic Linkage Experiment (WALE): Overview and synthesis. *Earth Interactions* (In press).
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Book Chapters:

- McDonald, K.C, and **J.S. Kimball**, 2005. Hydrological application of remote sensing: Freeze-thaw states using both active and passive microwave sensors. Encyclopedia of Hydrological Sciences. Part 5. Remote Sensing. M.G. Anderson and J.J. McDonnell (Eds.), John Wiley & Sons Ltd. DOI: 10.1002/0470848944.hsa059a.
- McDonald, K.C., and **J.S. Kimball**, 2006. Boreal Forests: A lengthening growing season. In: King, M. D., C. L. Parkinson, K. C. Partington, and R. G. Williams (eds): Our Changing Planet: The View from Space, Cambridge University Press, Cambridge, UK., pp. 86-88.
- McDonald, K.C., B. Chapman, **J.S. Kimball**, and R. Zimmermann, 2006. The tropical rain forest: Threatened powerhouse of the biosphere. In: King, M. D., C. L. Parkinson, K. C. Partington, and R. G. Williams (eds): Our Changing Planet: The View from Space, Cambridge University Press, Cambridge, UK., pp. 162-166.
- McGuire, A.D., M. Apps, F.S. Chapin III, R. Dargaville, M.D. Flannigan, E.S. Kasischke, D. Kicklighter, **J. Kimball**, W. Kurz, D.J. McCrae, K. McDonald, J. Melillo, R. Myneni, B.J. Stocks, D.L. Verbyla, and Q. Zhuang, 2004. Land cover disturbances and feedbacks to the climate system in Canada and Alaska. Chapter 9 in Land Change Science. G. Gutman, et al., (eds), Springer, 139-161.
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URL's describing current research:

<http://www.ntsg.umt.edu>

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