

Soil Water Content from Remotely Sensed Data

Publications and Reports			
Title	Size	Citation	Year
A Straight Forward Guide for Processing Radiance and Reflectance for EO-1 ALI, Landsat 5 TM, Landsat 7 ETM+, and ASTER	238K	Finn, M.P., Reed, M.D, and Yamamoto, K.H. A Straight Forward Guide for Processing Radiance and Reflectance for EO-1 ALI, Landsat 5 TM, Landsat 7 ETM+, and ASTER. Unpublished Report from USGS/Center of Excellence for Geospatial Information Science, 8 p. 2012	2012
Approximating Tasseled Cap Values to Evaluate Brightness, Greenness, and Wetness for the Advanced Land Imager (ALI)	2.5mb pdf file	Yamamoto, K.H., and Finn, M.P., (2012) Approximating Tasseled Cap Values to Evaluate Brightness, Greenness, and Wetness for the Advanced Land Imager (ALI). U.S. Geological Survey Scientific Investigations Report 2012-5057, 18 p.	2012
Remote Sensing of Soil Moisture Using Airborne Hyperspectral Data	1.4mb pdf file	Finn, M.P., Lewis, M., Bosch, D.D., Giraldo, M., Yamamoto, K., Sullivan, D.G, Kincaid, R., Luna, R., Allam, G.K., Kvien, C., and Williams, M.S., (2011). Remote sensing of soil moisture using airborne hyperspectral data. GIScience & Remote Sensing. 48 (4) 522-540	2011
Ground and surface temperature variability for remote sensing of soil moisture in a heterogeneous landscape	411k pdf file	Giraldo, M.A., Bosch, D., Madden, M., Lynn E.L., and Finn, M., (2009) Ground and surface temperature variability for remote sensing of soil moisture in a heterogeneous landscape. Journal of Hydrology (368) 214-223	2009
A First Approximation of Tasseled-Cap Values for the Advanced Land Imager	17k pdf file	Finn, M.P., Usery, E.L., and Reed, M.D., (2006) A first approximation of tasseled-cap values for the advanced land imager. (Abstract) Presented at the ISPRS Commission VIII Symposium on Remote Sensing Applications for a Sustainable Future. September 2006, Haifa, Israel	2006
Measuring Soil Moisture in Remotely Sensed Images	13k pdf file	Usery, E.L., Reed, M., and Finn, M.P., (2005) Measuring soil moisture in remotely sensed images. (Abstract) Presented at the 31st International Symposium on Remote	2005

		Sensing of Environment. May 2005, Saint Petersburg, Russia	
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Presentations			
Title	Size	Citation	Year
Soil Moisture Estimation Using Hyperspectral SWIR Imagery	1.2mb ppt file	Lewis, D., and Finn, M.P., (2010) Soil moisture estimation using hyperspectral SWIR imagery. (Poster) Presented at The American Geophysical Union Annual Meeting. 2010, San Francisco, California	2010
Determining Soil Water Content from Remotely Sensed Data	3610k pdf file	Usery, E.L., Finn, M.P., Reed, M.D., Bosch, D.D., Sullivan, D.G., Giraldo, M., and Kvien, C., (2005) Determining soil water content from remotely sensed data. (Poster) Presented at the USGS Land Remote Sensing Science Fair. April 2005, Reston, Virginia	2005