GE@G Climate Science Lab













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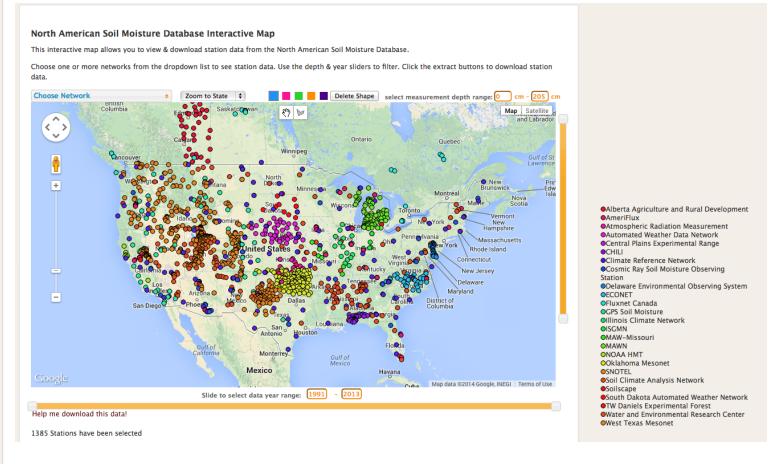
http://climatology.tamu.edu



http://facebook.com/GeogCSL

soilmoisture.tamu.edu

TAMU North American Soil Moisture Database



North American Soil Moisture Database

- We have identified >1800 stations
- Currently 1456 stations are at: soilmoisture.tamu.edu



 Although many of these stations are only available since the 1990s, some are available prior to the 1950s

Includes a variety of sensors, soil water variables,





North American Soil Moisture Database

 NASMD includes national, regional, state and local networks. It also includes in situ soil moisture data collected during field campaigns, and research projects.

 Comprehensive meta-data has been developed for all of the stations including sensor, soil characteristics, surface vegetation, and details on instrument calibration.

All data has gone through our customized QA/QC

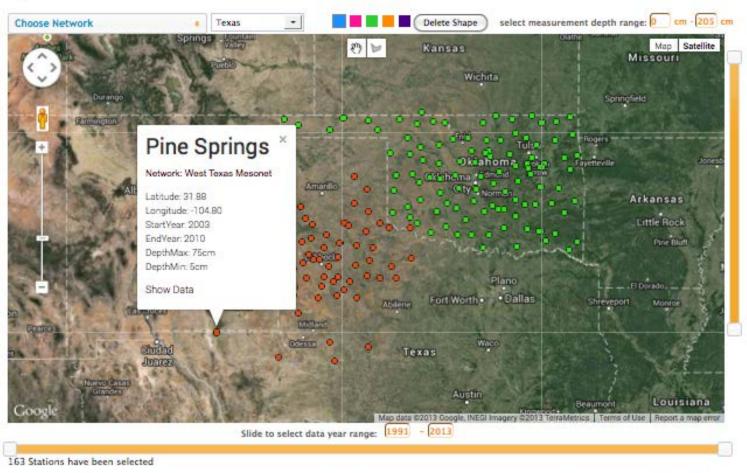




North American Soil Moisture Database Interactive Map

This interactive map allows you to view & download station data from the North American Soil Moisture Database.

Choose one or more networks from the dropdown list to see station data. Use the depth & year sliders to filter. Click the extract buttons to download station data.



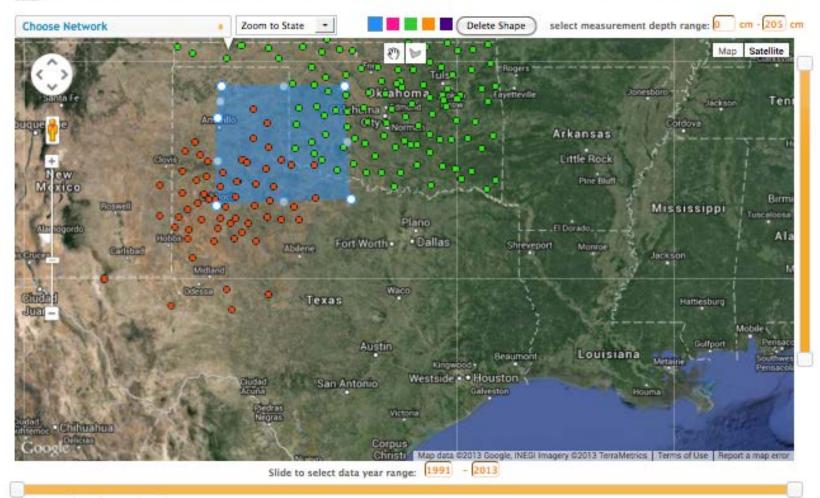
No.	□ All	Station	Network	Location	State
1	0	Norman	Oklahoma Mesonet	Norman	Oklahoma
2	2 0	Acme	Oklahoma Mesonet	Rush Springs	Oklahoma
3	0	Ada	Oklahoma Mesonet	Ada	Oklahoma



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Choose one or more networks from the dropdown list to see station data. Use the depth & year sliders to filter. Click the extract buttons to download station data.



32 Stations have been selected

No.	□ All	Station	Network	Location	State
1	0	Altus	Oklahoma Mesonet	Altus	Oklahoma
2	0	Arnett	Oklahoma Mesonet	Arnett	Oklahoma

32 Stations have been selected

No.	☑ AII	Station	Network	Location	State
1	₫	Altus	Oklahoma Mesonet	Altus	Oklahoma
2	₫	Arnett	Oklahoma Mesonet	Arnett	Oklahoma
3	♂	Bessie	Oklahoma Mesonet	Bessie	Oklahoma
4	₫	Butler	Oklahoma Mesonet	Butler	Oklahoma
5	₫	Camargo	Oklahoma Mesonet	Camargo	Oklahoma
6	♂	Cheyenne	Oklahoma Mesonet	Cheyenne	Oklahoma
7	₫	Erick	Oklahoma Mesonet	Erick	Oklahoma
8	♂	Grandfield	Oklahoma Mesonet	Grandfield	Oklahoma
9	₫	Hobart	Oklahoma Mesonet	Hobart	Oklahoma
10	♂	Hollis	Oklahoma Mesonet	Gould	Oklahoma
11	₫	Mangum	Oklahoma Mesonet	Mangum	Oklahoma
12	₫	Medicine Park	Oklahoma Mesonet	Medicine Park	Oklahoma
13	₫	Putnam	Oklahoma Mesonet	Putnam	Oklahoma
14	♂	Tipton	Oklahoma Mesonet	Tipton	Oklahoma
15	₫	Weatherford	Oklahoma Mesonet	Weatherford	Oklahoma
16	₫	Abernathy	West Texas Mesonet	Abernathy	Texas
17	₫	Childress	West Texas Mesonet	Childress	Texas
18	₫	Clarendon	West Texas Mesonet	Clarendon	Texas
19	₫	Floydada	West Texas Mesonet	Floydada	Texas
20	₫	Goodlett	West Texas Mesonet	Goodlett	Texas

Extract Checked Stations

Extract All Selected Stations

NO.	EAII	Station	Network	Location	State	
1	Ø	AURO	ECONET	Aurora	North Carolina	
2	Ø	BEAR	ECONET	Hendersonville	North Carolina	
3	D	BOON	ECONET	Boone	North Carolina	
4	(B)	BUCK	ECONET	Buckland	North Carolina	
5	0	BURN	ECONET	Burnsville	North Carolina North	
6	0	CAST	Extract request queued. You will receive an email shortly.			
7	0	CLA2				
8	D	CLAY	Extract request queded. Tou will receive all email shortly.			
9	0	CLIN			North Carolina	
10	0	DURH			North Carolina	
11	0	FLET		ОК	North Carolina	
12	D	GOLD		0	North Carolina	
13	0	HAML	ECONET	Hamlet	North Carolina	
14	0	HIGH	ECONET	High Point	North Carolina	
15	D	JACK	ECONET	Jackson Springs	North Carolina	
		KIN5	ECONET	Kinston	North Carolina	
16	B					
17	0	LAKE	ECONET	Raleigh	North Carolina	
17 18		LAUR	ECONET	Laurel Springs	North Carolina North Carolina	
17	0			2000000	North Carolina North	

Extract Checked Stations

Extract All Selected Stations

More Information

Website: soilmoisture.tamu.edu

Quiring, S., T. Ford, J. Wang, A. Khong, E. Harris, T. Lindgren, D. Goldberg, and Z. Li, 2015: The North American Soil Moisture Database: Development and Applications. Bull. Amer. Meteor. Soc. doi:10.1175/BAMS-D-13-00263.1, in press.

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