

**data homogenization processing summary and QC check results: archive\_knb-lter-sgs.179.1\_Burke\_SoilCN\_ESA**

**notes included with key file:**

source	Var_long	var	var_notes
location	Google Directory		archive_knb-lter-sgs.179.1_Burke_SoilCN_ESA
location	Network (e.g. LTER, CZO, DIRT, NutNet, etc)	network	LTER
location	Site code (e.g. LUQ) or name	site_code	SGS
location	Location name	location_name	SGS-LTER Ecosystem Stress Area
location	Mean Annual Precipitation	map	from Burke et al. Ecosystems, 1999 2(5): 422-438
location	Mean Annual Temperature	mat	from Burke et al. Ecosystems, 1999 2(5): 422-438
location	Climate averaging period	clim_avg_yrs	estimated from publication dates
location	number of treatments	number_treatments	c=control, w=water, n=nitrogen, nw=nitrogen+water
profile	Experimental Level 2	L2	refers to whether sampled collected under or between plants {u= under, b=beneath}
profile	Experimental Level 3	L3	bogr = Boutloua gracilis; agsm=Agropyron smithii; arfr=Artemisia frigida; ca=Carex; ko=Kochia scoparia; stco=Stipa comata; arlo=Aristida longiseta
profile	Treatment_1_level	tx_L1	c=control, w=water, n=nitrogen, nw=nitrogen+water

**files processed:**

type	filename
provided data	ESOIL_c
homogenized data	ESOIL_c_HMGZD

**variable conversion**

source	var	Var_long	given_unit	target_unit	factor	varNotes
location	anpp	aboveground net primary productivity	g/m2/y	gDM/m2/y	0.5	converted
location	map	Mean Annual Precipitation	mm	mm		NOT converted
profile	lyr_n_tot_stock	Bulk Layer Total Nitrogen stock	g m-2	g N m-2		NOT converted
profile	lyr_soc_stock	Bulk Layer Organic Carbon (CN analyzer) stock	g m-2	g C m-2		NOT converted

**QC results: location data**

location data checks passed

**QC results: profile data, data range**

profile data range checks passed

**QC results: profile data, data type**

profile data type checks passed