

**data homogenization processing summary and QC check results: archive\_knb-lter-sgs.180.1\_Burke\_SoilCN\_ESA**

**notes included with key file:**

source	Var_long	var	var_notes
location	Google Directory		archive_knb-lter-sgs.180.1_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
profile	Experimental Level 2	L2	position along transect in plot
profile	Experimental Level 3	L3	species bogr = Boutloua gracilis; agsm = Agropyron smithii; arfr = Artemisia frigida; ca = Carex; ko = Kochia scoparia; stco = Stipa comata; arlo = Aristida longiseta
profile	Experimental Level 4	L4	plant part r = root, s = stem base, seed = seed, l = leaf, stem = aboveground stem
profile	Treatment_1_level	tx_L1	c = control, w = water, n = nitrogen, nw = nitrogen + water

**files processed:**

type	filename
provided data	etisscn_a
homogenized data	etisscn_a_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	lit_c	Fine Litterfall Carbon	%	mg g-1		NOT converted
profile	lit_n	Fine Litterfall Nitrogen	%	mg g-1		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