

## data homogenization processing summary and QC check results: sgs.102.17

### notes included with key file:

source	Var_long	var	var_notes
location	Google Directory		sgs.102.17
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	Earthwatch Project
location	control samples identifier	control_id	native' vs. abandoned fields
location	number of treatments	number_treatments	all sites are "rangeland under moderate grazing"
profile	Experimental Level 4	L4	under B. gracilis (bogr), bare ground (bare) or Buchloe dactyloides (buda)
profile	Treatment_1_level	tx_L1	abandon field (abf) vs. natural veg. (nat)
profile	Profile Vegetation	veg_note_profile	duplicated of VEG, sample location important & added as experimental level here under B. gracilis (bogr), bare ground (bare) or Buchloe dactyloides (buda)
profile	Bulk Layer Total Carbon, not acid treated to remove inorganic C	lyr_c_tot	no information on acidification provided
profile	Clay	clay	sum of 'heavy and fine clay'

### files processed:

type	filename
provided data	abfldsum_copy
homogenized data	abfldsum_copy_HMGZD

### variable conversion

source	var	Var_long	given_unit	target_unit	factor	varNotes
location	map	Mean Annual Precipitation	mm	mm		NOT converted
profile	clay	Clay	%	percent		NOT converted
profile	lyr_c_tot	Bulk Layer Total Carbon, not acid treated to remove inorganic C	%	percent		NOT converted
profile	lyr_n_tot	Bulk Layer Total Nitrogen concentration	%	percent		NOT converted
profile	sand	Sand	%	percent		NOT converted

source	var	Var_long	given_unit	target_unit	factor	varNotes
profile	silt	Silt	%	percent		NOT converted

#### QC results: location data

location data checks passed

#### QC results: profile data, data range

var	min	max	minValue	maxValue	error
silt	-7.7	35.8	0	100	out of range

#### QC results: profile data, data type

profile data type checks passed