data homogenization processing summary and QC check results: HF DIRT

notes included with key file:

source	Var_long	var	var_notes
location	Google Directory		HF DIRT
location	Network (e.g. LTER, CZO, DIRT, NutNet, etc)	network	LTER
location	Site code (e.g. LUQ) or name	site_code	HFR
location	Location name	location_name	Harvard Forest
location	control samples identifier	control_id	treatment = C
location	merging datafiles required? please add details to alignment notes	merge_align	align time series by plot, average over reps, O/A horiz.
profile	Bulk Layer Organic Carbon (CN analyzer) concentration, inorganic C removed or not present	lyr_soc	1995 soil properties provided fraction.c & .n, not percent. WW modified raw data
profile	Bulk Layer Total Nitrogen concentration	lyr_n_tot	1995 soil properties provided fraction.c & .n, not percent. WW modified raw data
profile	Layer Top	layer_top	organic horizon is -1
profile	Layer Bottom	layer_bot	organic horizon is 0

files processed:

type	filename
provided data	Copy of hf007-02-litterfallJM.csv
provided data	Copy of hf007-07-root-mass.csv
provided data	Copy of hf007-08-soil-prop-1990.csv
provided data	Copy of hf007-09-soil-prop-1991.csv
provided data	Copy of hf007-10-soil-prop-1995.csv
provided data	Copy of hf007-11-soil-prop-2000.csv
homogenized data	Copy of hf007-02-litterfallJM_HMGZD
homogenized data	Copy of hf007-07-root-mass_HMGZD
homogenized data	Copy of hf007-08-soil-prop-1990_HMGZD
homogenized data	Copy of hf007-09-soil-prop-1991_HMGZD
homogenized data	Copy of hf007-10-soil-prop-1995_HMGZD
homogenized data	Copy of hf007-11-soil-prop-2000_HMGZD

variable conversion

source	var	Var_long	given_unit	target_unit	factor	varNotes
profile	bgb	root biomass	gDM m-2	kg ha-1	0.2	converted
location	map	Mean Annual Precipitation	mm	mm		NOT converted
profile	lyr_n_tot	Bulk Layer Total Nitrogen concentration	%	percent		NOT converted
profile	lyr_soc	Bulk Layer Organic Carbon (CN analyzer) concentration, inorganic C removed or not present	%	percent		NOT converted

source	var	Var_long	given_unit	target_unit	factor	varNotes
profile	layer_bot	Layer Bottom	cm	cm		NOT converted
profile	layer_top	Layer Top	cm	cm		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

var	min	max	minValue	maxValue	error
lyr_13c	-0.6	6.9	-40	0	out of range

QC results: profile data, data type

profile data type checks passed