

NAME

location – make location map of IMM defined irregular HIPS data

SYNOPSIS

location [-s *rows* [*cols*] | -g *xmin xmax xstep ymin ymax ystep*] [-S] [-b [-w]] [-v]

DESCRIPTION

location reads a 2-D IMM defined irregular HIPS file (format defined below under a separate heading) from *stdin* and writes an ordinary HIPS file containing a location map (also known as a sample site map or a posting plot) of the observations to *stdout*.

IRREGULAR HIPS FORMAT

The IMM defined irregular HIPS format consists of a HIPS file with number of frames equal to the number of variables (including x- and possibly y- and z-coordinates). The number of columns equals the number of observations per variable and the number of rows equals one. The dimensionality of the data is given by a byte parameter in the extended header called Irregular. Irregular equals 1 for 1-D data (such as time series data), 2 for 2-D data (such as data in a plane with x- and y-coordinates) and 3 for 3-D data (such as data in 3-D space with x-, y- and z- coordinates).

OPTIONS

-s *rows* [*cols*]

size of output is *rows* by *cols* (*rows* default to 512, *cols* default to *rows*)

-g *xmin xmax xstep ymin ymax ystep*

size of output is (*ymax-ymin*)/*ystep* by (*xmax-xmin*)/*xstep*

-S do not output square pixels

-v verbose output

-b output byte sequence scaled to interval [1,255], background is 0

-w output byte sequence scaled to interval [0,254], background is 255

-m *miss*

missing value is *miss* which is background value output to locations where no samples are assigned (*miss* is reset to 0 with -b)

SEE ALSO

a2h(1), irr2reg(1)

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