

FILTERING OF 1-D AND 2-D DATA:	
blockmean/median/mode	L2, L1, and mode estimate (x,y,z) data filters/decimators
filter1d	Filter 1-D data (time series)
grdfilter	Filter 2-D data in space domain
PLOTTING OF 1-D and 2-D DATA:	
grdcontour	Contouring of 2-D gridded data
grdimage	Produce images from 2-D gridded data
grdvector	Plot vector fields from 2-D gridded data
grdview	3-D perspective imaging of 2-D gridded data
psbasemap	Create a basemap frame
psclip	Use polygon files as clipping paths
pscoast	Plot coastlines, filled continents, rivers, and political borders
pscontour	Direct contouring or imaging of xyz data by triangulation
pshistogram	Plot a histogram
psimage	Plot Sun rasterfiles on a map
psmask	Create overlay to mask specified regions of a map
psrose	Plot sector or rose diagrams
psscale	Plot grayscale or colorscale
pstext	Plot textstrings
pswiggle	Draw anomalies along track
psxy	Plot symbols, polygons, and lines in 2-D
psxyz	Plot symbols, polygons, and lines in 3-D
GRIDDING OF (X,Y,Z) TABLE DATA:	
nearneighbor	Nearest-neighbor gridding scheme
surface	Continuous curvature gridding algorithm
triangulate	Perform optimal Delauney triangulation on xyz data
SAMPLING OF 1-D AND 2-D DATA:	
grdsample	Resample a 2-D gridded data onto new grid
grdtrack	Sampling of 2-D data along 1-D track
sample1d	Resampling of 1-D data
PROJECTION AND MAP-TRANSFORMATION:	
grdproject	Transform gridded data to a new coordinate system
mapproject	Transform table data to a new coordinate system
project	Project data onto lines or great circles
INFORMATION:	
gmtdefaults	List the current default settings
gmtset	Command-line editing of parameters in the .gmtdefaults file
grdinfo	Get information about the content of gridded files
minmax	Report extreme values in table data files
CONVERT OR EXTRACT SUBSETS OF DATA:	
gmtconvert	Convert table data from one format to another
gmtselect	Select table data subsets based on multiple spatial criteria
grd2xyz	Convert 2-D gridded data to table data
grdcut	Cut a sub-region from a gridded file
grdpaste	Paste together gridded files along common edge
grdreformat	Convert from one grid format to another
splitxyz	Split xyz table data into several segments
xyz2grd	Convert table data to 2-D gridded file
MISCELLANEOUS:	
makecpt	Create GMT color palette tables
spectrum1d	Compute spectral estimates from time-series
triangulate	Perform optimal Delauney triangulation on xyz data

DETERMINE TRENDS IN 1-D AND 2-D DATA:

fitcircle	Finds best-fitting great or small circles
grdtrend	Fits polynomial trends to gridded files ($z = f(x,y)$)
trend1d	Fits polynomial or Fourier trends to $y = f(x)$ series
trend2d	Fits polynomial trends to $z = f(x,y)$ series

OTHER OPERATIONS ON 2-D GRIDS:

grd2cpt	Make color palette table from gridded file
grdclip	Limit the z-range in gridded data sets
grdedit	Modify grid header information
grdfft	Operate on gridded files in frequency domain
grdgradient	Compute directional gradients from gridded files
grdhisteq	Histogram equalization for gridded files
grdlandmask	Creates mask gridded file from coastline database
grdmask	Set grid nodes in/outside a clip path to constants
grdmath	Reverse Polish Notation (RPN) calculator for gridded files
grdvolume	Calculate volume under a surface within a contour

STANDARDIZED COMMAND LINE OPTIONS:

-Bxtick[:text:] [/ytick[:text:]] [/ztick[:text:]] [WESNZwesnz+] [:title:]	Tickmarks
-H[n_headers]	Input/output ascii tables have header record[s]
-J Map projection. Give <u>width</u> or use lower case code and specify map <u>scale</u>	
-JAlon ₀ /lat ₀ /width	Lambert azimuthal equal area
-JBlon ₀ /lat ₀ /lat ₁ /lat ₂ /width	Albers conic equal area
-JClon ₀ /lat ₀ /width	Cassini cylindrical
-JElon ₀ /lat ₀ /width	Azimuthal equidistant
-JFlon ₀ /lat ₀ /horizon/width	Azimuthal Gnomonic
-JGlon ₀ /lat ₀ /width	Azimuthal orthographic
-JHlon ₀ /width	Hammer equal area
-JIlon ₀ /width	Sinusoidal equal area
-JJlon ₀ /width	Miller cylindrical
-JKlon ₀ /width	Eckert IV equal area
-JLlon ₀ /lat ₀ /lat ₁ /lat ₂ /width	Lambert conic conformal
-JMwidth or -JMlon ₀ /lat ₀ /width	Mercator cylindrical
-JNlon ₀ /width	Robinson
-JOlon ₀ /lat ₀ /az/width	Oblique Mercator, 1: origin and azimuth
-JOblon ₀ /lat ₀ /lon ₁ /lat ₁ /width	Oblique Mercator, 2: two points
-JOclon ₀ /lat ₀ /lon _p /lat _p /width	Oblique Mercator, 3: origin and pole
-JPwidth	Polar (θ , r) (or cylindrical)
-JQlon ₀ /width	Equidistant cylindrical (Plate Carré)
-JRlon ₀ /width	Winkel Tripel
-JSlon ₀ /lat ₀ /width	General stereographic
-JTlon ₀ /width	Transverse Mercator
-JUzone/width	Universal Transverse Mercator (UTM)
-JWlon ₀ /width	Mollweide
-JXwidth[lp] [/height[lp]] [d]	Linear, log ₁₀ , and x^a-y^b
-JYlon ₀ /lat ₀ /width	General cylindrical equal area
-K	Append more PostScript later
-O	This is an overlay plot
-P	Select Portrait orientation
-Rwest/east/south/north [/zmin/zmax] [r]	Specify Region of interest
-U [dx/dy/] [label]	Plot time-stamp on plot
-V	Run in verbose mode
-Xoff -Yoff	Shift lower left corner of plot [1/1]
-:	Expect y/x input rather than x/y
-ccopies	Set number of plot copies [1]