UNITED STATES DEPARTMENT OF THE INTERIOR

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Novice's Guide to PACER-GARNET for Use with the National Coal Resources Data System--a Flow Chart

By

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This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature.

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The National Coal Resources Data System (NCRDS) Users' Manual, which is provided to those who take the PACER-GARNET training course, has abundant information on the procedures for obtaining the desired products. The first-time user, however, may be overwhelmed by the mass of information in the manual. This flow chart was developed by a first-time user after having taken the introductory NCRDS training. It was felt that an additional framework devised from a novice's viewpoint may help other first-time users.

This chart shows one version of the connections between the various parts of the programs when using USTRAT data--when you sit down at the computer terminal, what steps (commands) you need to go through in order to get a particular set of end results. This is not an attempt to show all options of NCRDS. As you proceed along the flow chart, refer to the NCRDS Users' Manual at each step (page numbers[1] are provided) for detailed instructions on how to execute that step.

[1] 1983 version. Page numbers are different in older versions.

START

log in

You are in Multics

pacer

For data retrieval

condition p.9

Sets up conditions of what part of your data you want to look at, e.g. Mammoth coal bed over 5 ft.thick:

"A. bed eq mammoth
B. thk gt 5.
C. thk gt 10."

logic p.11

Sets up order of conditions, e.g. "a.and.b"

May repeat, e.g. "a.and.c"

search p.11

Looks for and compiles the data specified, as a new file, which you name

review p.22

Shows what you've done so far this session

quit p.27

You are in Multics again

LISTINGS

define p.23

To save your new definitions, see p. 23-24

dump p.20

of all your data, all categories

list p.15,95-96

of specifiedcategories of your data, e.g. "pointid, bed,thk, lith"

TABLES

lstratus

See NCRDS staff

MAPS & RESOURCES

vlatlong

Formats data for GARNET or STATEMAP. When "Enter variable name" first appears you have the option of defining new variables by typing "define"

define

Output for GARNET?

no → You are in Multics again → **ec statemap (state abbrv)**

Plots localities on map with state and county boundaries. See "OTHERS" section in manual

log out

yes

CONTINUE ON NEXT PAGE

STRIP LOGS

logcode

Formats data for log plots. See "OTHERS" section in manual

callogplt or logplot

Creates strip logs

log out

EXPLANATION

Program name. Type in this word. There will be no prompting.

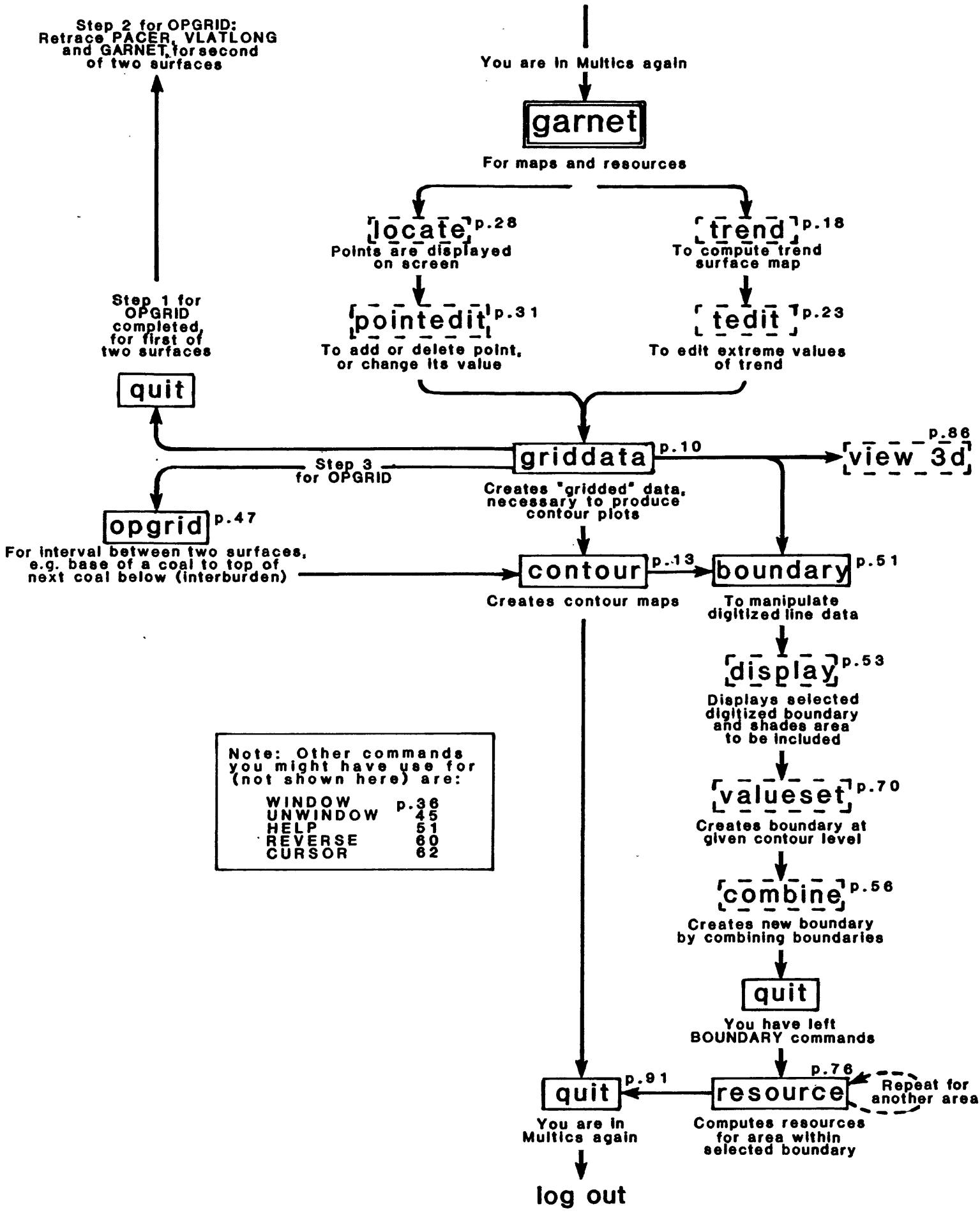
p.27

Command within a program. Type in this word after prompt of "Enter command" Page number refers to the program documentation in the NCRDS Users' Manual

Optional command

Note: Other PACER commands you might have use for (not shown here) are:

KEYS	p.13
FUNCTION	19
TABLE	21
HELP	21
NAME	21
UPDATE	24
STAT	32


Step 2 for OPGRID: Retrace PACER, VLATLONG and GARNET, for second of two surfaces
You are in Multics again
garnet
For maps and resources
locate p.28
Points are displayed on screen
trend p.18
To compute trend surface map
pointedit p.31
To add or delete point, or change its value
tedit p.23
To edit extreme values of trend
Step 1 for OPGRID completed, for first of two surfaces
quit
griddata p.10
Creates "gridded" data, necessary to produce contour plots
view 3d p.86
Step 3 for OPGRID
opgrid p.47
For interval between two surfaces, e.g. base of a coal to top of next coal below (interburden)
contour p.13
Creates contour maps
boundary p.51
To manipulate digitized line data
display p.53
Displays selected digitized boundary and shades area to be included
valueset p.70
Creates boundary at given contour level
combine p.56
Creates new boundary by combining boundaries
quit
You have left BOUNDARY commands
Note: Other commands you might have use for (not shown here) are:
WINDOW p.36
UNWINDOW 45
HELP 51
REVERSE 60
CURSOR 62
resource p.76
Repeat for another area
Computes resources for area within selected boundary
quit p.91
You are in Multics again
log out