Command	GPICKDATA

PURPOSE   Pick the data from any graphic presentation on the screen and write the numerical values to a file.

PARAMETERS   This command has no parameters.

FUNCTION   Graphic data displayed on the screen are marked by the cursor, and the numerical values are written to a GRF dataset.
1. Display the graphic data on the screen. The presentation should be rather large for a good precision of the method. Avoid the left upper corner of the screen, because it is needed for the PICKUP window.
2. Enter the command GPICKDATA in the SATAN command window. A dedicated PICKDATA window will appear in the upper left corner of the screen.
3. Identify two calibration points with known coordinate values in the lower left and in the upper right corner of the graphic presentation, e.g. on the axes.
4. Enter the numerical values of the x and y coordinates of the two calibration points in the PICKDATA window for XMIN, XMAX, YMIN, YMAX.
5. Specify the name of the output dataset on the PICKDATA window.
6. Move the mouse symbol on the first calibration point – press the ENTER key. The coordinates of the first calibration point appear in the PICKDATA window.
7. Move the mouse symbol on the second calibration point – press the ENTER key. The coordinates of the second calibration point appear in the PICKDATA window.
8. Move the mouse symbol on the data points, one by one – press the ENTER key each time. The coordinates of the data points appear in the PICKDATA window.
9. Press the SAVE button on the PICKDATA window to write the data to the output file.
10. Close the PICKDATA window for returning to the SATAN command window.

REMARKS   Both x and y data are written two times, valid for linear and logarithmic presentations, respectively. The desired values can be chosen in the GRF file by editing the header line.
Please note that the positions on the screen are marked by positioning the mouse symbol and pressing the ENTER key, not by a mouse klick! The graphic presentation of some files (e.g. PDF files) might move when the ENTER key is pressed. In this case, one should use another presentation, e.g. a Postscript file.