

# OCEAN DRILLING PROGRAM

1

## SLIDERS

### USER'S MANUAL

Updated 9/99

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## **Introduction**

Sliders is a program designed to aid in the recording of smear slide data. The data entered for each slide is saved to the central database. The main working window is a spreadsheet similar in look and function to Excel. Shipboard use will generally be in the hard rock café. Beach use will most often be in the repositories.

## **Document Layout**

The Sliders document is broken into three main sections. The first section, “*Sliders Basics*”, describes starting the program and each of the main windows. The second section, “*Sliders Examples*”, goes through an example of smear slide analysis from beginning to end. The third section, “*Sliders In Depth*”, gives a detailed description of several of the additional Sliders’ functions.

## Sliders Basics

### Getting Started

1. Click on the Sliders icon to start the program.
2. A "Login" window appears asking for a User Name, Password, and Host String. Enter these fields the very first time the program is started.

**Note: Sliders automatically remembers the User Name and Host String after the first time the program is opened.**

3. Check the "Remember Password" box if you want the program to default to your password each time, then click **OK**.

### The "Smear Slides" Window

The "Smear Slides" window automatically opens when Sliders is started (See Figure 1).

The screenshot shows the 'Smear Slides' window with a menu bar (Slides, Lists, Reports, Options, Help) and a toolbar with icons for New (F5), Save (F6), Slides (F7), and Components (F8). Below the toolbar is a status bar with a green checkmark and a red X icon. The main area contains a table with the following structure:

Sample										Texture			Comments
Leg	Site	H	Core	Sct	Top (cm)	Depth (mbsf)	Text. Total	Comps. Total	Lithology	Sand	Silt	Clay	

Figure 1. The "Smear Slides" window.

1. Smear slide sample information (leg, site, H, core, sct, top, and depth) is imported to

- this window from the “Select Slides” window (More in "The “Select Slides” Window", p. 5).
2. Components are imported to this window from the “Component Select” window (More in "The “Component Select” Window", p. 6).
  3. All smear slide component data and comments are entered on this window.

## The “Smear Slides” Toolbar

### *Toolbar buttons*

- Click **New** or **F5** for a new “Smear Slides” spreadsheet.
- Click **Save** or **F6** to save information to the database.
- Click **Slides** or **F7** to open the “Select Slides” window.
- Click **Components** or **F8** to open the “Component Select” window.

### *Menu Options*

1. Under “Slides”
  - **New Spreadsheet** – opens a clear spreadsheet.
  - **Save Data** - saves data to the central database.
  - **Export** – opens a window for exporting data to Excel as a Comma Delimited File (More in “Exporting”, Section 3).
  - **Import** – opens a window for importing Comma Delimited files from Excel into the Sliders program (more in “Importing”, Section 3).
  - **Edit Components** – opens the “Component List” window. Add, delete, or edit slide components from this window (More in "Editing Components", p. 16).
  - **Exit** – closes the Sliders program.
2. Under “Lists”
  - **Select Slides** – opens the “Select Slides” window. Same function as the **Slides** button or **F7** key (More in "The “Select Slides” Window", p. 5).
  - **Select Components** – opens the “Component Select” window. Same function as the **Components** button or **F8** key (More in "The “Component Select” Window", p. 6).
3. Under “Reports”
  - **Slides** – opens a report form (e.g. Smear Slides Form). For more information, see “Predefined Queries” in Janusweb. Also, More in "Setting up Reports", p. 17.

- **Components** – this selection not developed yet.
4. Under “Options”
- **Setup Report** –opens a “Setup Reports” screen (More in "Setting up Reports", p. 17).
  - **Change Header Font** – this selection reduces or increases the spreadsheet font size.
5. Under “Help”
- **Index** – this option not developed yet.
  - **About Sliders** – details the Sliders’ copyright information.

## The “Select Slides” Window

Select all smear slides for analysis at this window. Open this window by clicking on the **Slides** button, the **F7** key, or by selecting it from the **Lists** menu.

Leg	Site	H	Cor	CT	Sct	Top	Depth
172	1064	A	1	H	2	11.0	1.61
172	1064	A	1	H	2	11.0	1.61
172	1064	A	1	H	4	11.0	4.61
172	1064	A	1	H	6	11.0	7.61
172	1064	A	1	H	CC	11.0	9.54

Figure 2. The “Select Slides” window.

1. Select a leg, hole, core and section from top left columns. Use the scroll bars to view all possible selections. The Site selections displayed correspond to the Leg # selected, as the Hole selections displayed then correspond to the Site selected, etc.

**Note: Hole, Core, and Section default to “all” when no selection is made.**

2. Slides corresponding to the selected information appear in the “Slides” box.

**Note: Top distance and Depth are added automatically.**

3. To add a new slide that’s not currently displayed, enter the “top” distance of the smear slide and click on the **Add New Slide** button.
4. Select a slide for analysis by highlighting it then clicking on **Add**. Select all slides dis-

- played by clicking on **Add All**.
5. All slides chosen for analysis are displayed in the “Selected Slides” spreadsheet.
  6. Remove a selected slide at any time by highlighting it and clicking **Remove** for one slide, or **Remove All** to de-select all slides displayed.
  7. Clicking **OK** then exports all selected samples to the main spreadsheet.
  8. Click on **Cancel** to close the window without saving any of the selections.

## The “Component Select” Window

Select components for the “Smear Slides” spreadsheet from this window. Open it by clicking on the **Components** button, the **F8** key, or by selecting it from the **Lists** menu.

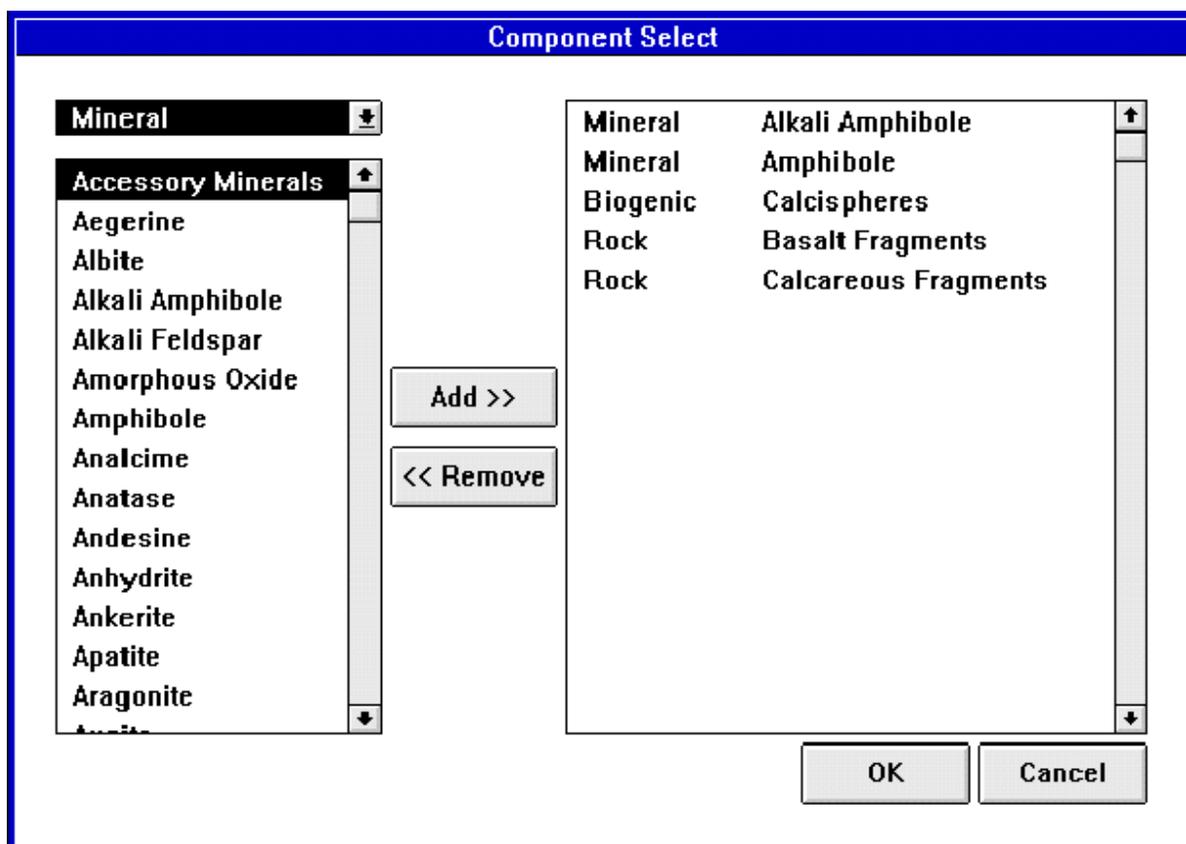


Figure 3. The “Component Select” window.

1. Select the **material type** by clicking on the top left down arrow to display the drop-down list of choices (Mineral, Rock, Biogenic, and Other). Click on your selection.
2. Next, select the **components**. Once a material type is selected, corresponding components are listed beneath the type. Highlight your choice and click on the **Add** button.

**Note: Continue doing this until you have selected all the components you need for your spreadsheet.**

3. View your component selections in the right side box.
4. Remove a selected component at any time by highlighting it and clicking on the **Remove** button.
5. Export the components to the spreadsheet by clicking on the **OK** button. The selected components will become columns on the spreadsheet.
6. Click **Cancel** to close the window without saving any of the selections.

## Sliders Examples

This section takes you through an entry and analysis example from beginning to end.

### Where to Start

The “Smear Slides” window automatically opens when Sliders is started.

1. Press the **Sliders** button or the **F7** key to open the “Select Slides” screen.
2. Select the **leg**, **site**, **hole**, **core**, and **section** information for the slides you want to analyze (Figure 4 shows that leg 172, site 1064, hole A, core 3H, section 7 have been selected).

Leg	Site	Hole	Core	Section
172	1064	*all*	*all*	*all*
171	1063	A	3 H	CC
	1062		2 H	7
	1061		1 H	6
	1060			5
	1059			4
	1058			3

Figure 4. Select sample information from this window.

3. Slides corresponding to the selected information should now be listed in the “Slides” box (See Figure 5). **Notice that Top distance and Depths have been added.**

Slides							
Leg	Site	H	Cor	CT	Sct	Top	Depth
172	1064	A	3	H	7	11.0	27.91
172	1064	A	3	H	7	16.0	27.96

Figure 5. Selected slide information.

4. Add a slide that is not displayed by entering its top distance and pressing the **Add New Slide** button (See Figure 6).

Top

Figure 6. Add a new slide here.

5. Highlight the slides you want to analyze and press the **Add** button.

6. Observe that the slides you selected are now under the “Selected Slides” box (see Figure 7).

Selected Slides							
Leg	Site	H	Cor	CT	Sct	Top	Depth
172	1064	A	3	H	7	11.0	27.91
172	1064	A	3	H	7	16.0	27.96

Figure 7. Slides selected for data analysis

7. Press **OK** and this information will export to the sample side of the “Smear Slides” spreadsheet (In Figure 8, notice that the two lines of data from Figure 7 are now in the sample section).

**Note: The spreadsheet automatically opens. The slides are now ready for analysis.**

Sample									
Leg	Site	H	Core	Sct	Top (cm)	Depth (mbsf)	Text. Total	Comps. Total	
172	1064	A	3 H	7	11.0	27.91	0	0	
172	1064	A	3 H	7	16.0	27.96	0	0	

Figure 8. Samples ready for analysis.

8. Press the **Components** button to open the “Components Select” window.
  - Select the component you want by highlighting first and then pressing **Add**.
  - Press **OK** once you’ve selected all the components you want (See Figure 9).

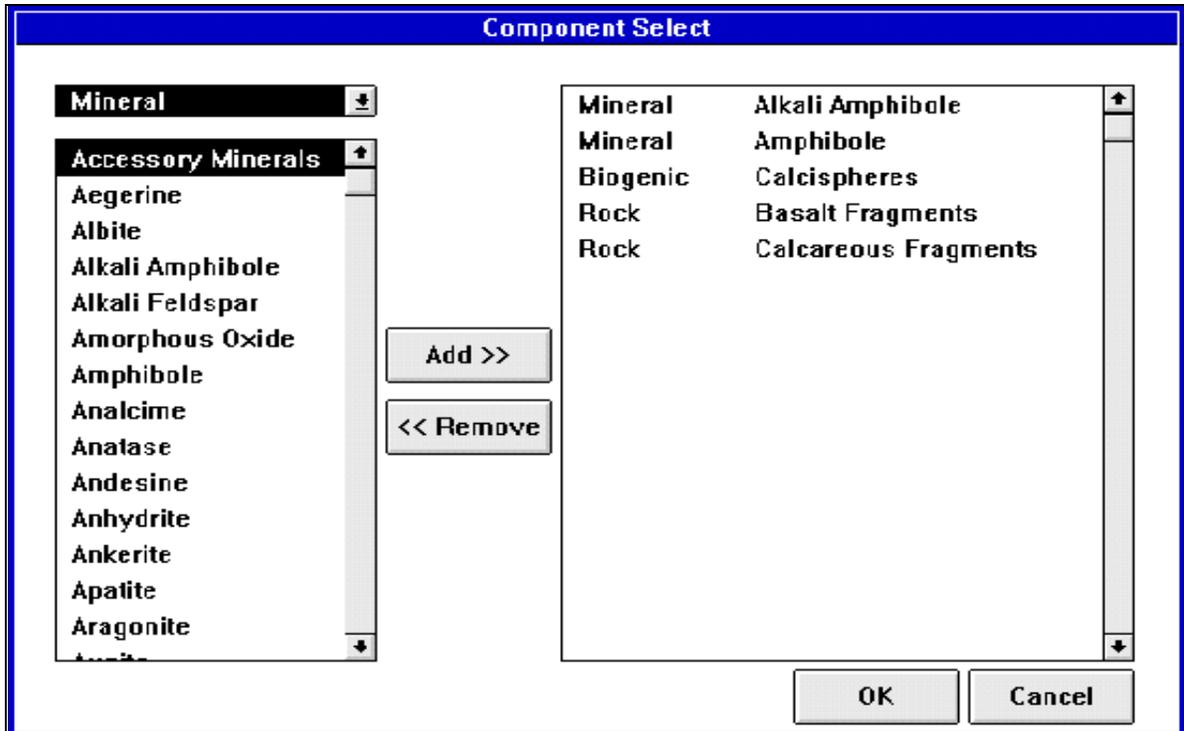


Figure 9. Selected components for the spreadsheet.

9. The spreadsheet reappears with the newly added components (See Figure 10).

Slides Lists Reports Options Help																	
F5 New		F6 Save		F7 Slides		F8 Components											
<input checked="" type="checkbox"/> <input type="checkbox"/>																	
Sample										Texture	Mineral	Biogenic	Rock	Parti			
Leg	Site	H	Core	Sct	Top (cm)	Depth (mbsf)	Text. Total	Comps. Total	Lithology	Sand	Silt	Clay	Alkali Amphibole	Amphibole	Calcspheres	Basalt Fragments	Calcareous Fragments
172	1064	A	3	H	7	11.0	27.91	80	100	D	60	20	30	50	20		
172	1064	A	3	H	7	16.0	27.96	80	100	D	60	20	40	30	20	10	

Figure 10. Spreadsheet with selected slides, components, and data.

### *Data can be entered in several different ways*

1. Click on a cell to highlight it **or** use the arrow keys to move around.
2. Type in a value. Notice it appears in the cell and the entry prompt. Click **Enter** or the check mark to enter a value. Click **Delete** or “X” to delete an entered value.

**OR**

3. Highlight the cell and click the right mouse button. A list of selections is opened for the highlighted cell. Click on one of the choices.

**OR**

4. Highlight a cell and click on the **List** button (top right). A list of choices appears for the highlighted cell. Click on one of the choices.

### *Notice the changes that have occurred*

1. **The newly added data is underlined in red.** This indicates that the added data is not saved to the database. Press **Save** to save new data to the database.
2. **The values under “Text. Total” and “Comps. Total” have changed.** The program keeps track of the values entered for each component or texture. When the total reaches 100 (100%) the number turns from red to black.

### *Several important features of this screen*

1. **Pressing the Exit button completely closes the program. Any data underlined in red will not be saved when program exits.** Be sure to press **Save** before exiting.
2. **Pressing the New button opens a new screen. Any data underlined in red will be deleted by pressing New.** Always click **Save** before selecting a new screen.
3. **Removing a component from the spreadsheet will remove it from all the sample slides shown.** (For example, your first two slides might contain component “A”. The next four do not. After entering the data for component “A” in the first two slides, you decide to delete “A” since you don’t need it anymore. This will actually remove “A” and the data entered from the first two slides).
4. **To remove slides from the “Smear Slides” window, you must delete them from the “Select Slides” window.**
  - First **Save** all data to the database.
  - Next, click the **Slides** button, which takes you to the “Select Slides” window.
  - Highlight the slides in the “Selected Slides” box that you want to remove and click on the **Remove** button.
  - Click **OK** and the spreadsheet will reappear. The removed slides are no longer on the screen, but are still in the database.
5. **A value must be entered for “lithology” or the program will not save.**

## Sliders In Depth

This section describes additional Sliders' features.

### Exporting

Once you enter smear slide data into the database, you can also export it to another program, such as Excel, for your own spreadsheet. This is done from the "Smear Slides" spreadsheet.

1. From the **Sliders** menu select **Export**. This opens the "Export to..." window (See Figure 11).
2. Enter a file name. The file should be saved as a Comma Delimited File, so after the name type '.csv' (In Figure 11 the filename is "mydata.csv") Under "**Save file as type:**" select **Comma Delimited File (\*.csv)**.
3. Select a Folder to save the data to (Usually C:\ODP\Sliders) and click **OK**.

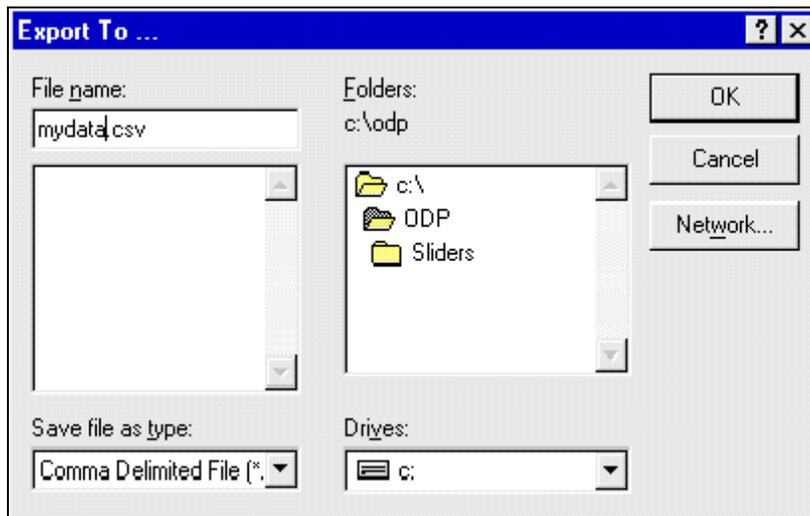


Figure 11. Enter file name of data to be exported here.

4. Open Excel.
5. From the **File** menu select **Open**. The "Open" window appears.
  - Under **Files of type:** select "Text Files."
  - Under **Look in:** select the folder you saved the data to (In Figure 12 it is under C:\ODP\Sliders).
  - Highlight the file and click **Open**. This opens an Excel spreadsheet with your data.

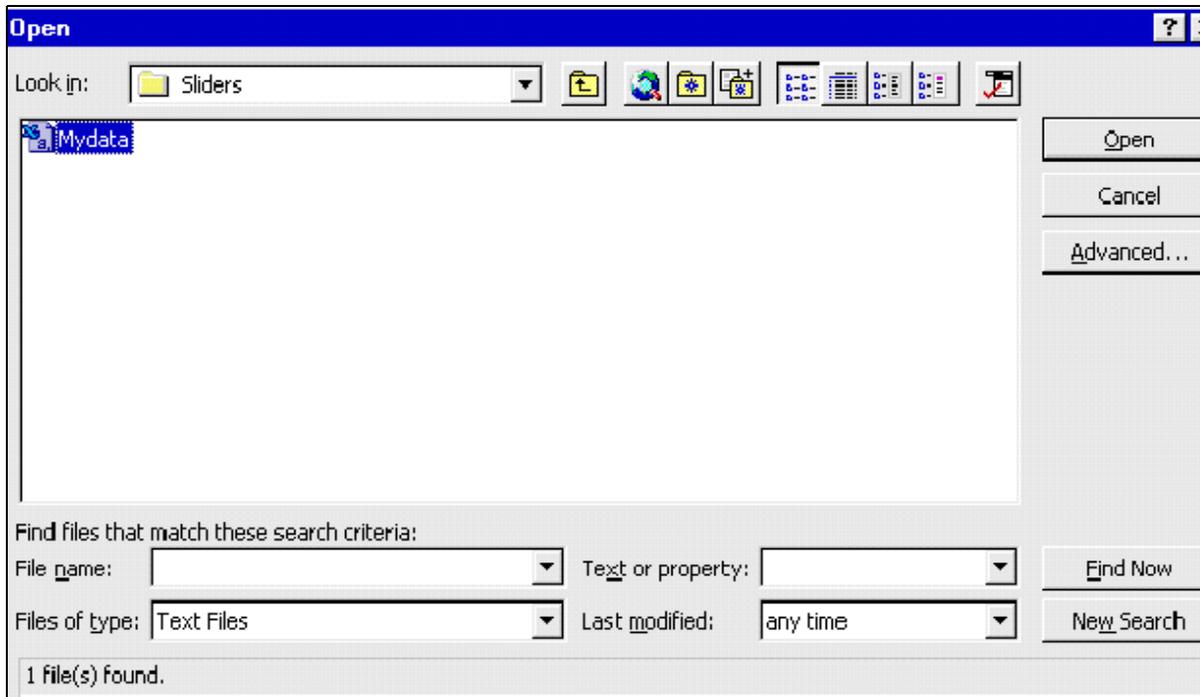
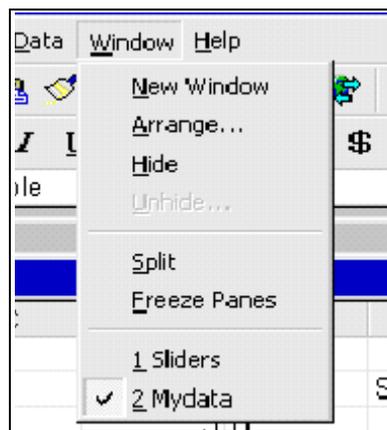
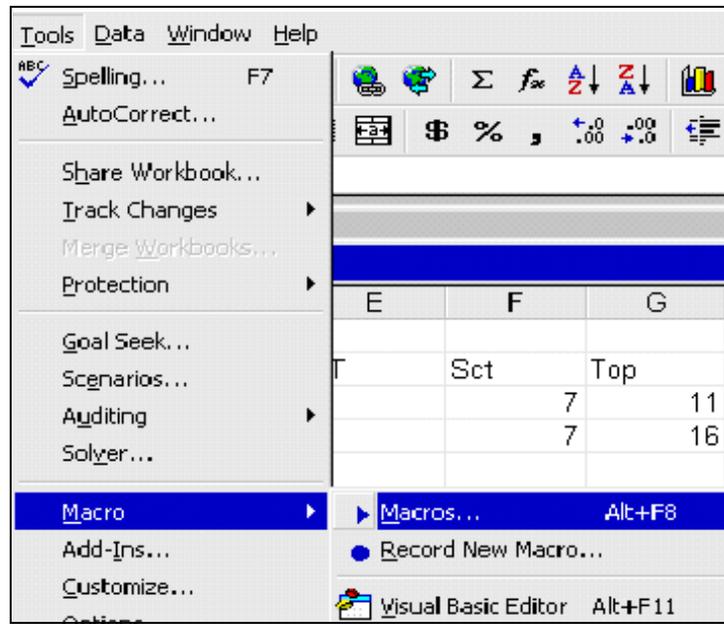


Figure 12. Open your Excel spreadsheet from this window.

6. To reformat your data to look similar to the Sliders' spreadsheet:
  - From the **File** menu select **Open** again.
  - Under **Files of type:** select "Microsoft Excel Files." The Sliders icon appears in the window.
  - Click **Open**.
7. A window about Macros will appear. Click **Enable Macros**.
8. From the **Window** menu click on the bottom choice, which is the name of your file.



- From the **Tools** menu select **Macro**, then **Macros**.



- You are now at the “Macro” window. Press **Run**.
- Your data is now in a format comparable to the “Sliders” program. **Save** this.

## Importing

If you make changes to data while in Excel or another program, the changes should also be saved to the central database. Do this by importing your altered data back into the “Sliders” program.

- Save** your data in Excel as a **.csv** file (Comma Delimited File).
- Close** your file in Excel (Sliders will not import while your Excel file is open).
- Open Sliders. It will open to the “Smear Slides” window.
- From the **Slides** menu select **import**.
- The “Import from...” window will open (see Figure 13). Select the file you want to import and click **OK**.

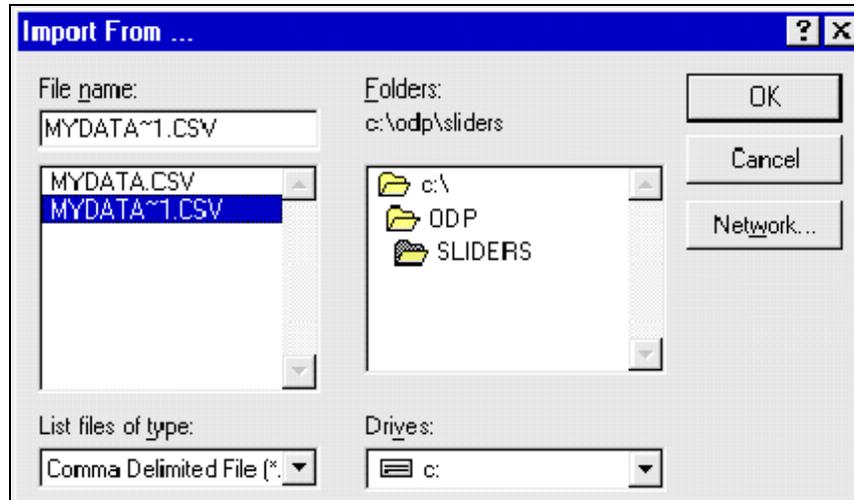


Figure 13. Import to Sliders from this window.

6. If the program detects **no problems** with the imported data, the “Smear Slides” spreadsheet opens with the changes underlined in red. Save this to the central database.
7. **If the Sliders program does detect a discrepancy, one of two screens (or both) will be displayed:**
  - **The “Find Sample” window:** This window appears only if (a) more than one match or (b) no match is found for the imported slide.
    - (1) The top line displays the “Sample from Imported File”.
    - (2) The bottom line displays the “Matches Found in Database”.
    - (3) If no match is found and you want to add this slide to the database, click **Add New**, then **OK**. If you want to search for it again press **Find Again**.
    - (4) If more than one match is found, highlight one of the “Matches Found in Database” and click **OK**. If you decide the slide is not the correct match when the spreadsheet appears, select **import** again and highlight the correct choice.
  - **The “Find Component/Type” window:**
    - (1) The top line displays the Component or Type imported from Excel.
    - (2) If you added a component or type that is foreign or misspelled, the program will find and display the closest match (bottom of window).
    - (3) Click either **Find Again** or **OK**.
4. Now the spreadsheet opens, with the added changes underlined in red. Press **Save** to save these changes to the database.

## Editing Components

It is possible that you'll want to add, change, or delete components in the database. **Just remember that any changes made here are also made in the "Component Select" window** (the master list used to select components for the "Smear Slides" spreadsheet).

1. From the **Slides** menu select **Edit Components** to open the "Component List" window.
2. From the top list select a component type—mineral, rock, biogenic, or other (see Figure 14). A list of corresponding components appears under it.

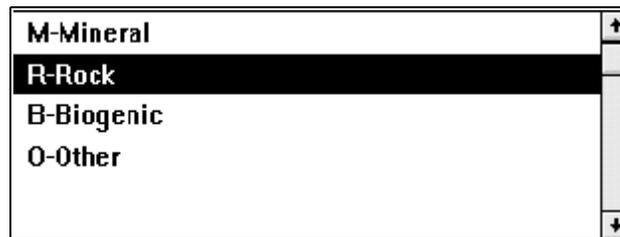


Figure 14. List of component types

### Adding a New Component

1. **Add a new component** by clicking **Add**. The "Component Info" window appears (See Figure 15). Type in the "Component name" and press **OK**. *Be sure to capitalize the first letter of the name.*

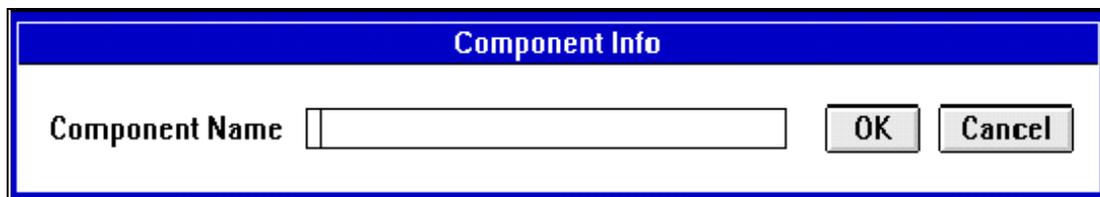


Figure 15. Edit or add a component here.

### Editing a Component

1. **Edit a component** by highlighting it and clicking on **Edit**. The "Component Info" window appears (See Figure 15). Type the changes and click **OK**. *Be sure to capitalize the first letter of the name.*
2. **Delete a component** by highlighting it and pressing **Delete**. *Just remember that this deletes the component from the master list.*
3. From the "Smear Slides" window press the **Components** button. Observe the changes you've made in the "Component Select" window.

## Setting up Reports

ODP data query report forms can be accessed from the "Smear Slides" window.

1. From the **Options** menu select **Setup Reports** to open the "Setup Reports" window.
2. The "Path for Web Browser" URL should already be set to open directly to the ODP data request query forms. If the URL does not work, click on the **List** button for a list of options. If you do not know the correct browser, ask an MCS.
3. The URL for "Slides Report" and "Components Report" should also already be set.
4. Click **OK**. This should start Netscape and open to the selected report form.