

Chapter 3: Holder Menu



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A. Main Holder Menu

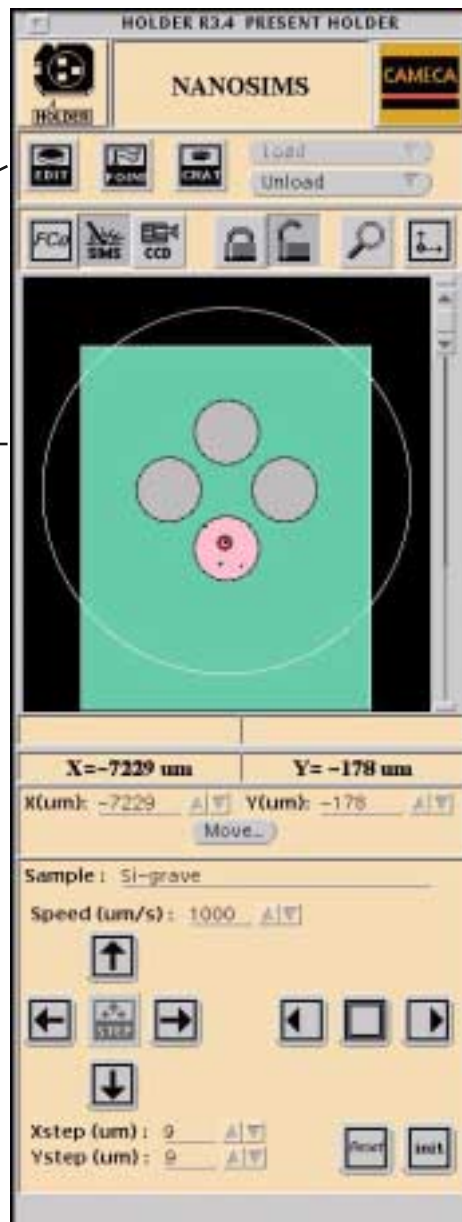
1. Mapping of points of measurement

2. Positioning of sample holder

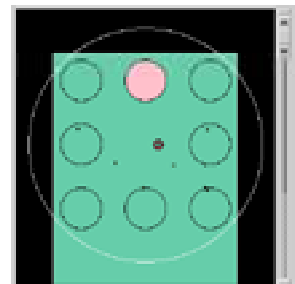
3. Map of the sample holder in the sample chamber

4. Position of the primary beam

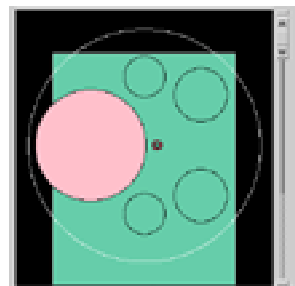
5. Sample stage movement



Alternate holders:




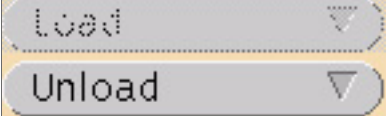







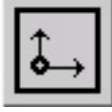
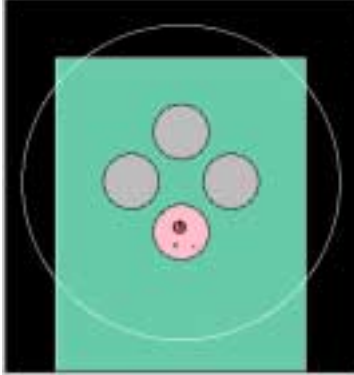

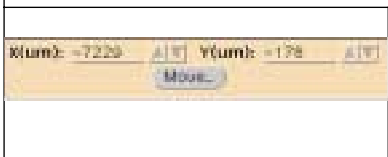
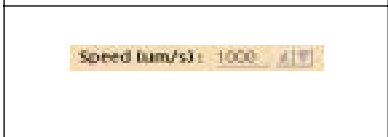
BIOLOGY

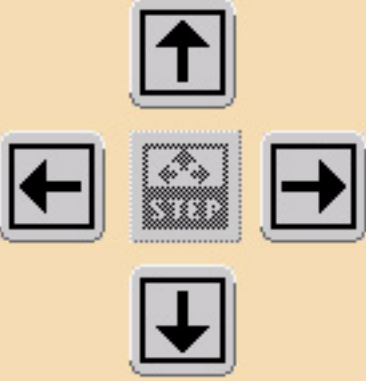





GEOLOGY

Figure 3-1: Display Window of Holder Menu. To bring up this window, click on the top edge of the frame.

Menu Details: Main Holder Menu	
1. Mapping of points of measurement	
	Accesses the EDIT SAMPLE HOLDER sub-menu with sample holder layouts files and editing tools for such files
	Brings up the holder list
	Saves a position after sputtering with primary beam
	Positioning of the sample holder in the load position (ready for measurement) or unload position (ready for removal of the holder from the sample chamber)
2. Positioning of the sample holder	
	Moves sample holder out of the way so that primary ion current can be measured at the object plane via the Faraday cup FCo
	Moves sample holder in position for SIMS analysis
	Moves sample holder in position for inspection through the CCD camera

	<p>Toggles settings of the holder panel between locked and un-locked stage</p>
	<p>???</p>
	<p>Toggles position coordinates between absolute and relative</p>
<p>3. Map of the sample holder in the sample chamber</p>	
	<p>Map of the sample holder in the instrument. The black area depicts the regions masked off by internal blinds. The white circle is the outline of the sample holder. The pink circles represent the slots in the sample holder with the Si chips. These outlines do not limit the positioning of the sample. Saved points appear as squares, while the current field of view is marked by a red circle.</p>
<p>4. Position of the Primary Beam</p>	
	<p>Actual position of the center of the current field of view</p>
<p>5. Sample stage movement</p>	
	<p>Set new center for the field of view. Click on Move.. to move sample stage to this point</p>
	<p>Speed for the X/Y stage</p>

	<p>Move sample stage in pre-defined increments (see button below). The effect is instantaneous.</p> <p>The arrows refer to the apparent movement of the sample stage - clicking on the right button will move the structures in the center of the field of view to the right.</p>
	<p>?????</p>
	<p>Adjusts the increments by which the stage is moved</p>
	<p>???</p>

B. Edit Menu

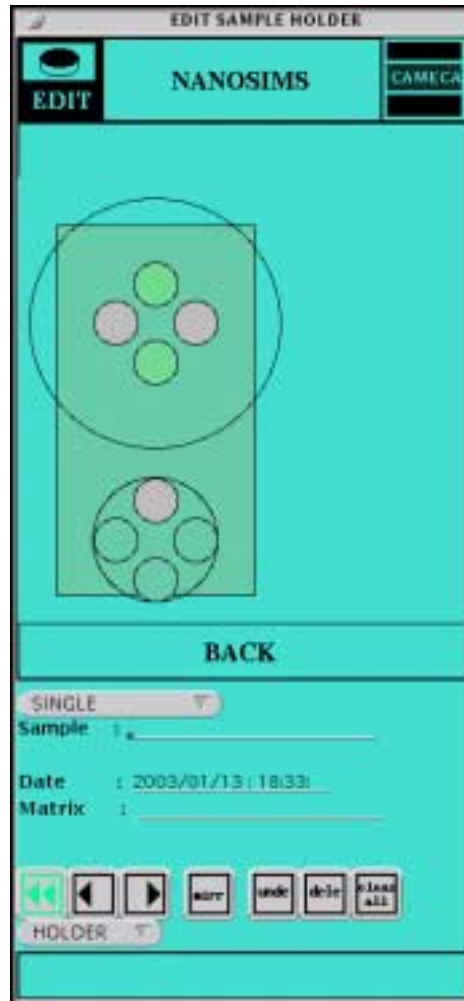
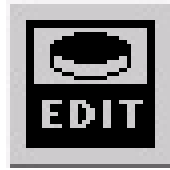
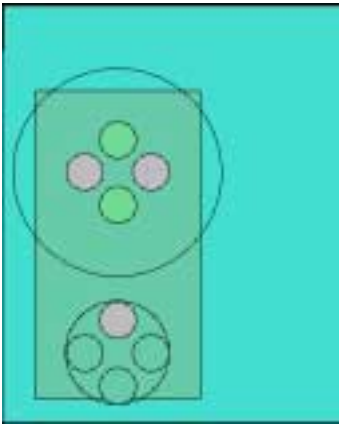
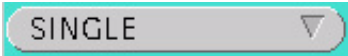








Figure 3-2: Edit Menu.

Menu Details: Holder Menu - Edit Menu	
	????
	????
	Sample name - can be edited
	Date of the generation of the file.
	????
	
	Delete and undelete entries in the map of the sample holder
	

C. Points Menu

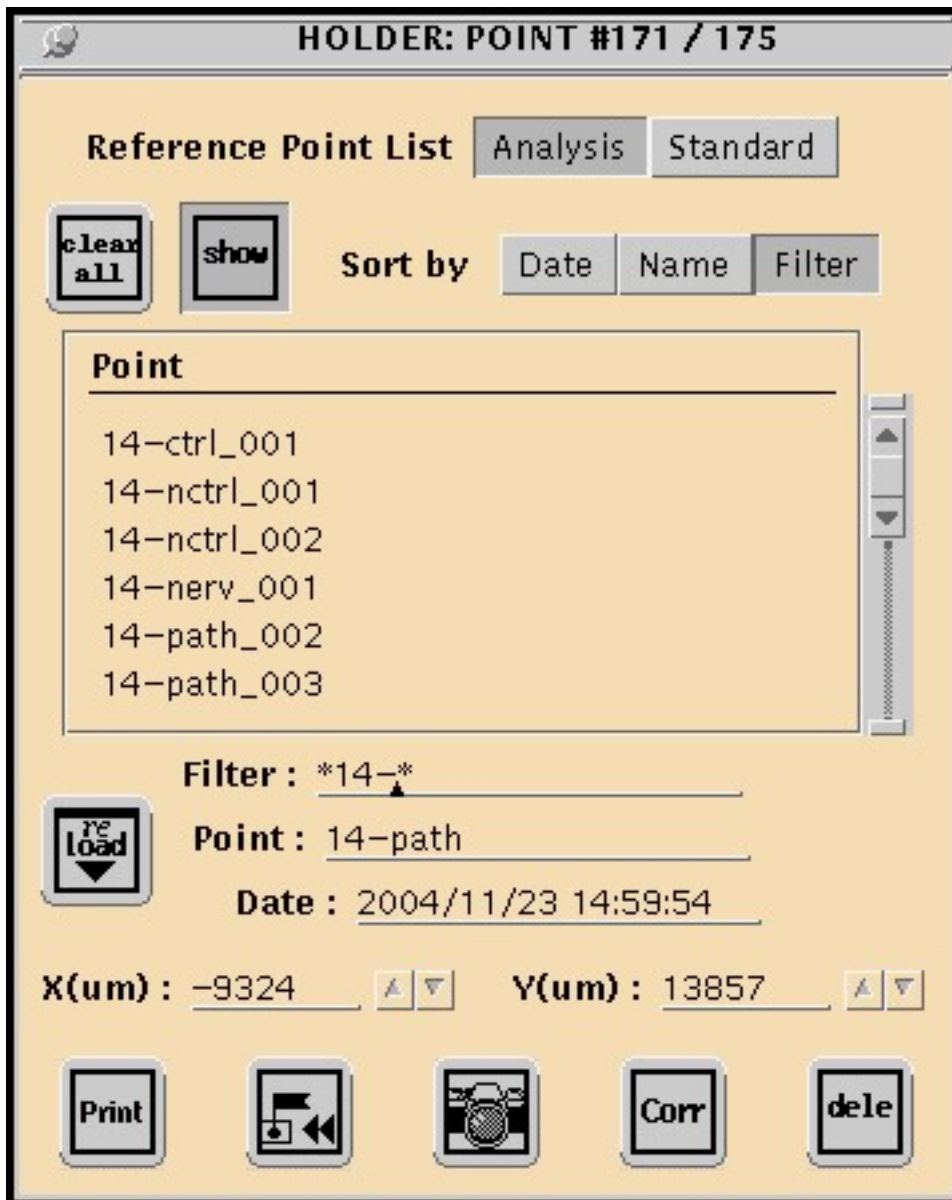


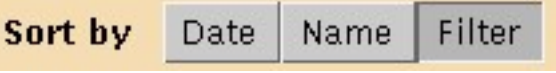


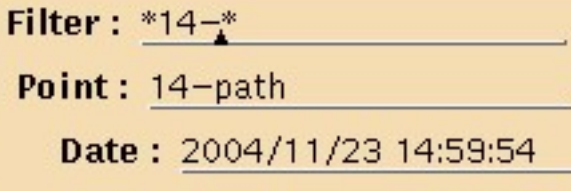








Figure 3-3: View of Points Menu within Holder Menu.

Menu Details: Holder Menu - Points Menu	
	To use this menu, Analysis needs to be selected.
	Clears all points.
	Sorts list of points by date, name, or filter.
	This updates the position (in prior software versions, you had to close the holder and reopen).
	Show
 <p>Filter : *14-* Point : 14-path Date : 2004/11/23 14:59:54</p>	<p>The Filter field allows you to see points from one chip at a time. In the example to the left, only points from chip 14 will be shown. The format of the field is *XX-* where XX is the chip number (i.e. *14-* for chip 14 or *08-* for chip 8).</p> <p>Enter a name for your points in the Point field. Automatic numbering has been implemented so that when you enter a prefix in the Point field, the software will automatically label, number, and increment each successive point you take. In the example in Figure 3-3, the prefix in the Point field is 14-path , so the points taken were automatically named 14-path_001 , 14-path_002 , etc.</p> <p>Date shows the date the point was last modified.</p>

	Move the arrows to select the X and Y positions.
	Prints the entire stage list.
	Click on this to move to the location chosen
	<p>This saves your information.</p> <p>* a note on saving names: saving names can be tricky - be sure that when you're saving it, it has the name you want it to have.</p>
	This allows you to correct the position of a point already saved. You keep the name of the point, but change the coordinates.
	Allows you to delete a single point.

D. Crater Menu

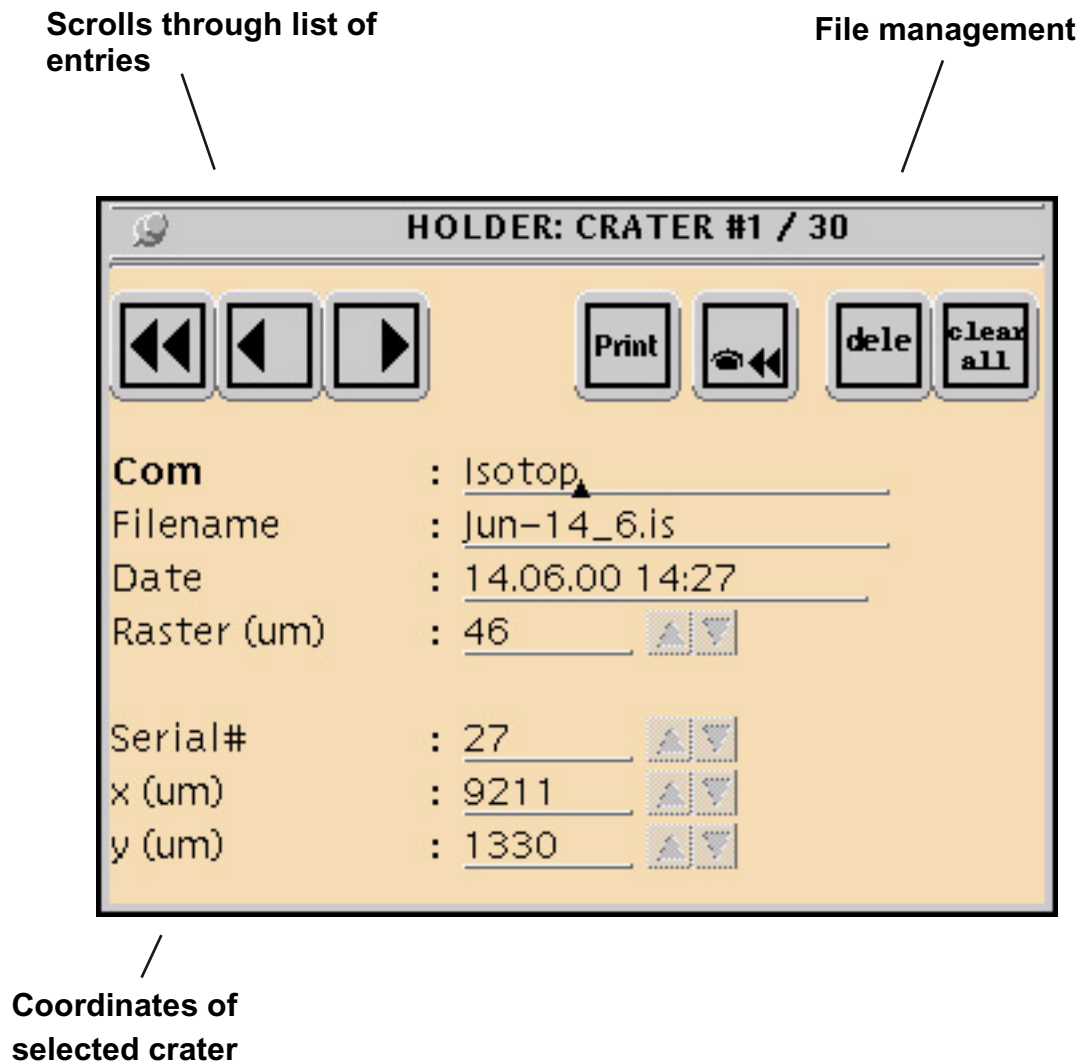






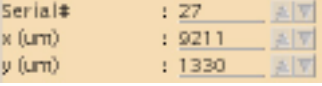


Figure 3-4: View of Crater Menu within Holder Menu.

Menu Details: Holder Menu - Crater Menu	
Scroll settings	
	Scrolls through list of crater coordinates
File management	
	Print data for current crater
	Moves stage to the position of the selected crater
	Delete file entry for selected crater or delete all entries in file list
Coordinates	
	Editable comment, file name of the original acquisition experiment, and the date of the experiment
	
	Access to different crater entries in the file list; either by their x- and y-coordinates, or by their file number