Subject: [Bug]ArrayCtrl,MultiSelect.In WhenSel callback, selection status of last selected row is incorrect
Posted by Maginor on Mon, 13 May 2019 13:53:10 GMT
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Hi, I have an ArrayCtrl A with MultiSelect enabled.
I use the WhenSel callback to get notified when the selection status changes.

Inside my callback function I do

```
int RowCount = A.GetCount();

for(int Row = 0; Row < RowCount; ++Row)
{
   if(A.IsSelected(Row))
   {
      //Do something
   }
}
```

This works fine if there is only one row selected, but if there are multiple, IsSelected() returns false for the latest row that was selected.

I could also check if the row is the cursor (which works), but that will not give the desired behaviour when the cursor is on a deselected row (which it for instance is if you ctrl-click to deselect something).

Alternatively, is there a better way to iterate over the selected rows than I do here?

Subject: Re: [Bug]ArrayCtrl,MultiSelect.In WhenSel callback, selection status of last selected row is incorrect
Posted by Maginor on Mon, 27 May 2019 13:48:12 GMT
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I have tried to debug it some more..

There seems to be two bugs:
- if you ctrl-click a row, the row is not marked as selected before the WhenSel callback is called.
- if you ctrl-click to deselect a row or to select a row when there is no previous selection, the WhenSel callback is not called at all.

I did find a workaround, which is to use WhenAction instead of WhenSel. WhenAction is called once when the cursor moves and then once again after the selection is updated. The only

problem is that since it is called twice it does all the heavy lifting of updating my plot twice every time (it seems fine with my current dataset, but could potentially be problematic with a larger one).

Subject: Re: [Bug]ArrayCtrl,MultiSelect.In WhenSel callback, selection status of last selected row is incorrect
Posted by mirek on Fri, 07 Jun 2019 08:39:01 GMT
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Hopefully fixed.

(testing code in upptst/ArrayCtrlSel)
