```
        Variable ymin
        Variable ymax
        Variable zmin
        Variable zmax
        Variable eulerA
        Variable eulerB
        Variable eulerC
        Variable wheelDx
        Variable wheelDy
    EndStructure
```

WMListboxAction

This structure is passed to action procedures for listbox controls created using the **ListBox** operation.

```
Structure WMListboxAction
    char ctrlName[32]      // Control name
    char win[200]          // Host window or subwindow name
    STRUCT Rect winRect    // Local coordinates of host window
    STRUCT Rect ctrlRect   // Enclosing rectangle of the control
    STRUCT Point mouseLoc  // Mouse location
    Int32 eventCode        // See details below
    Int32 eventMod         // See Control Structure eventMod Field on page III-438
    String userData        // Primary unnamed user data
    Int32 blockReentry     // Obsolete, see Control Structure blockReentry Field on page
    III-439
    Int32 eventCode2       // Obsolete
    Int32 row              // Selection row. See ListBox for details.
    Int32 col              // Selection column. See ListBox for details.
    WAVE/T listWave        // List wave specified by ListBox command
    WAVE selWave           // Selection wave specified by ListBox command
    WAVE colorWave         // Color wave specified by ListBox command
    WAVE/T titleWave       // Title wave specified by ListBox command
EndStructure
```

The constants used to specify the size of structure char arrays are internal to Igor Pro and may change.

WMListboxAction eventCode Field

Your action function should test the eventCode field and respond only to documented eventCode values because other event codes may be added in the future.

The event code passed to the listbox action procedure has the following meaning:

Event Code	Event
-3	Control received keyboard focus (Igor8 or later)
-2	Control received keyboard focus (Igor8 or later)
-1	Control being killed.
1	Mouse down.
2	Mouse up.
3	Double click.
4	Cell selection (mouse or arrow keys).
5	Cell selection plus Shift key.
6	Begin edit.
7	Finish edit.
8	Vertical scroll. See **Scroll Event Warnings** on page V-495.
9	Horizontal scroll by user or by the hScroll=*h* keyword.
10	Top row set by row=*r* or first column set by col=*c* keywords.