Autonomous Visual Event Detection

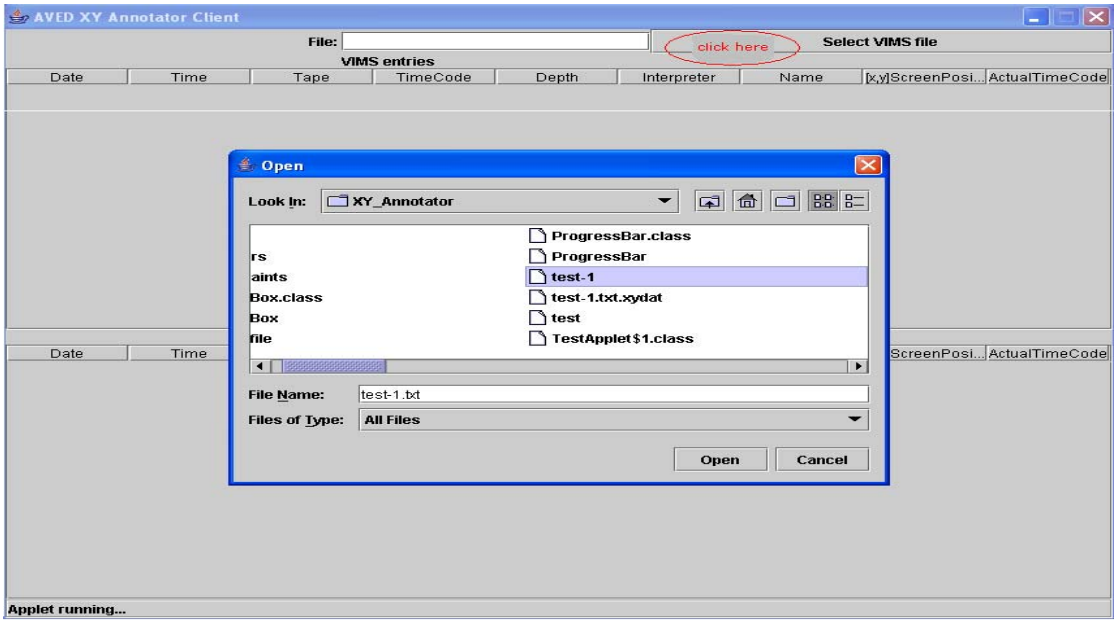
Using the (x,y) annotator to label organisms in mini DV video clips:

1. Perform a Vims Query according to the instructions on http://beowulffish/docs/batch_capture/using_p_vims.html to obtain a complete list of annotations and timecodes corresponding to the desired mini DV video tape. The link to launch the Vims Query application is located at: http://tienhou.shore.mbari.org/jnlp/apps/VimsQueryApp/

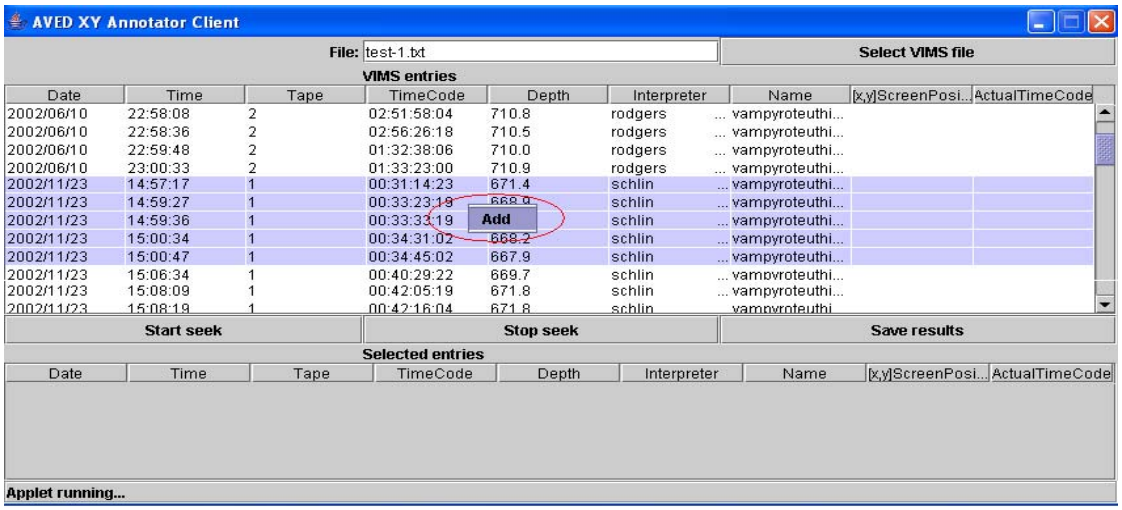
2. Save the query and close the program.

3. Open the (x,y) annotation applet using the link at: http://beowulffish

4. Open the newly created list of annotations from the Vims query by pressing the "select VIMS file" button at the top right of the window and browse to desired directory to find query file.



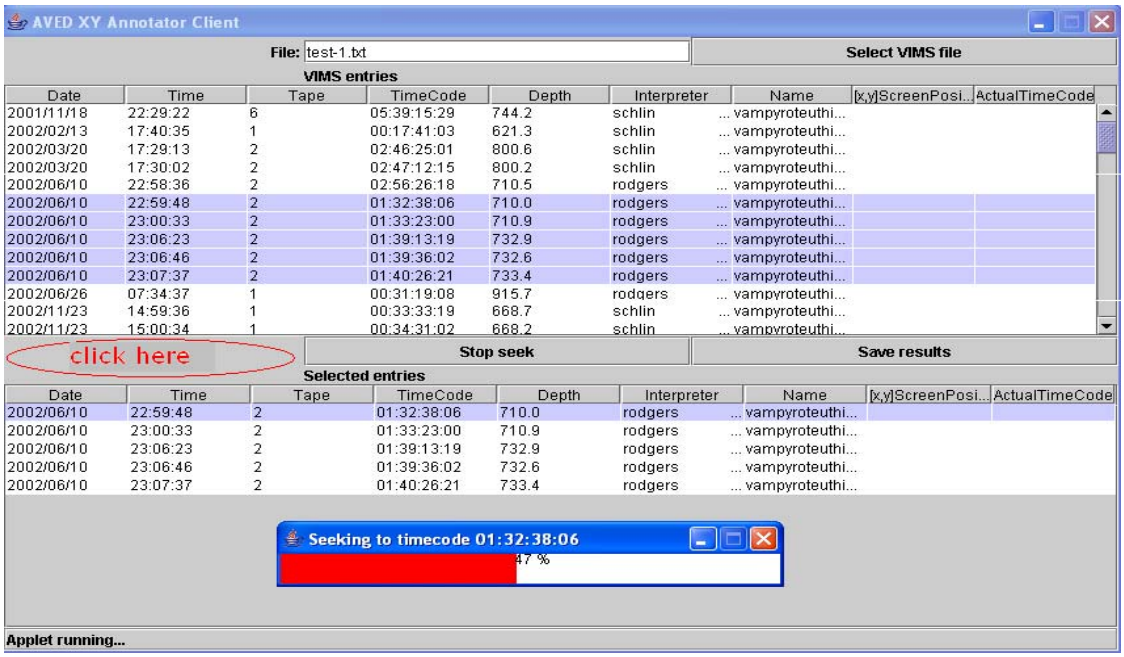
5. All annotations will be displayed in the top half of the window. If you do not want to label all of the annotations, highlight desired annotations using shift or control keys and use the right click button on the mouse to "Add" desired annotations to the lower "Selected Entries" portion of the screen.



6. Once all entries are selected, insert the corresponding mini DV video tape into the VCR. Make sure the power is on, the tape is rewound, and that the deck is on "remote" operation.

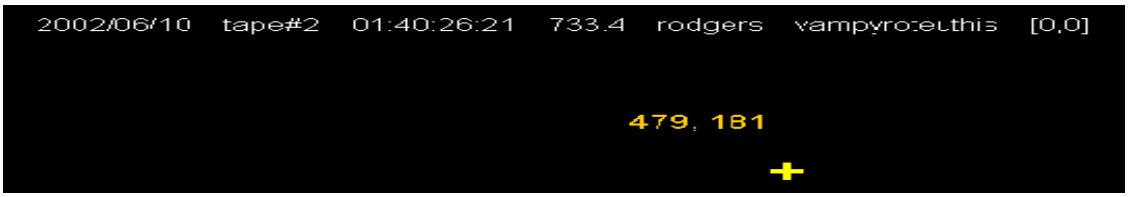
7. Turn on the HR Trinitron Sony monitor and press "line A" on the top left corner of the monitor. Now it is time to begin labeling the selected annotations.

8. Press the "Start seek" button on the AVED xy annotator interface located in the middle of the screen to the left. The program will automatically seek to the timecode of the first entry. If you wish to seek to a different entry, highlight the entry, right click then choose seek entry. Otherwise, the program will automatically access the entries sequentially, starting from the first entry whose coordinates have not been marked.

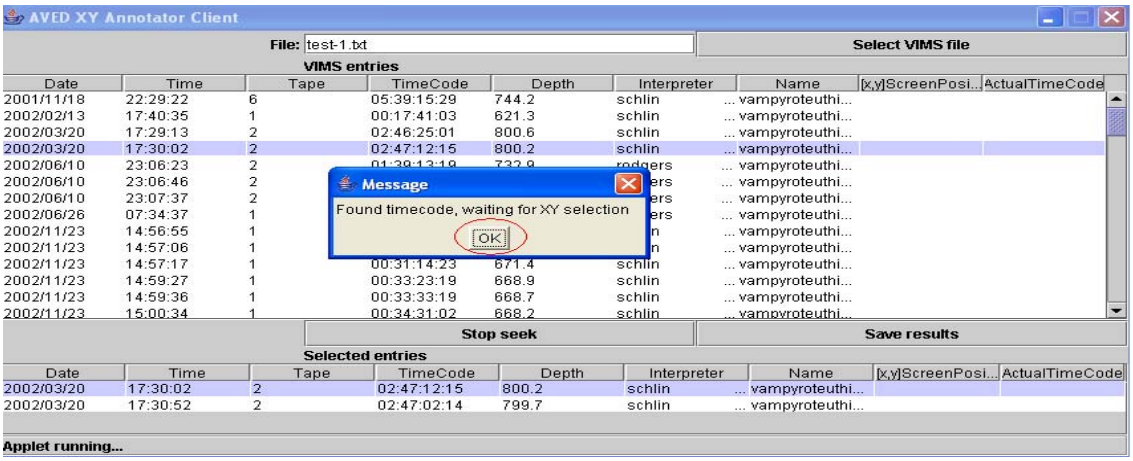


9. If the organism IS visible in the frame, move the mouse over the top left of the computer

monitor screen. The cursor should appear on the bottom right of the triniton monitor. Move the cursor over the center of the organism and left click to mark its position.

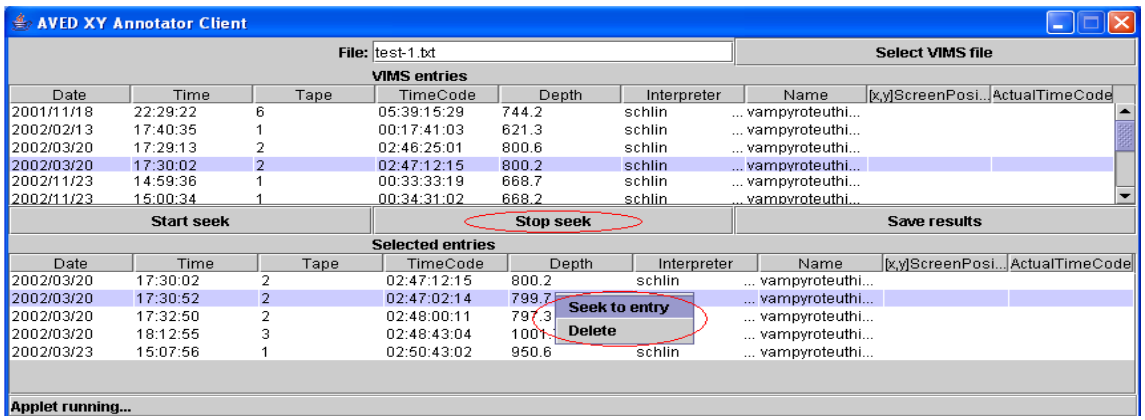


10. Once the position has been marked, scroll the mouse to the right bringing it back over into the computer monitor. Click ok on the found timecode window. The program will now automatically seek to the next entry in the list of annotations.



11. If the organism is NOT visible, use the jog shuttle feature to rewind or fast forward the tape until the organism is visible on the screen. Now proceed as in step 9 to mark the position of the desired organism and continue.

12. The program will seek the first entry not marked. In order to accesss a certain timecode, click on stop seek (icon in middle), highlight the desired timecode, right click and select seek entry to seek to the highlighted position or delete to delete the entry. Click on start seek once more. The program will automatically seek the first position not marked in list if start seek is clicked.



13. Proceed until all desired positions have been labeled. Save results (icon in middle on right) and close the animator client window then scroll to the trinitron monitor and press x to exit program.