

VARs X - cheat sheet for MiniROV

Starting VARs and setting up the non-standard method for frame grabbing that we're using for the time being.

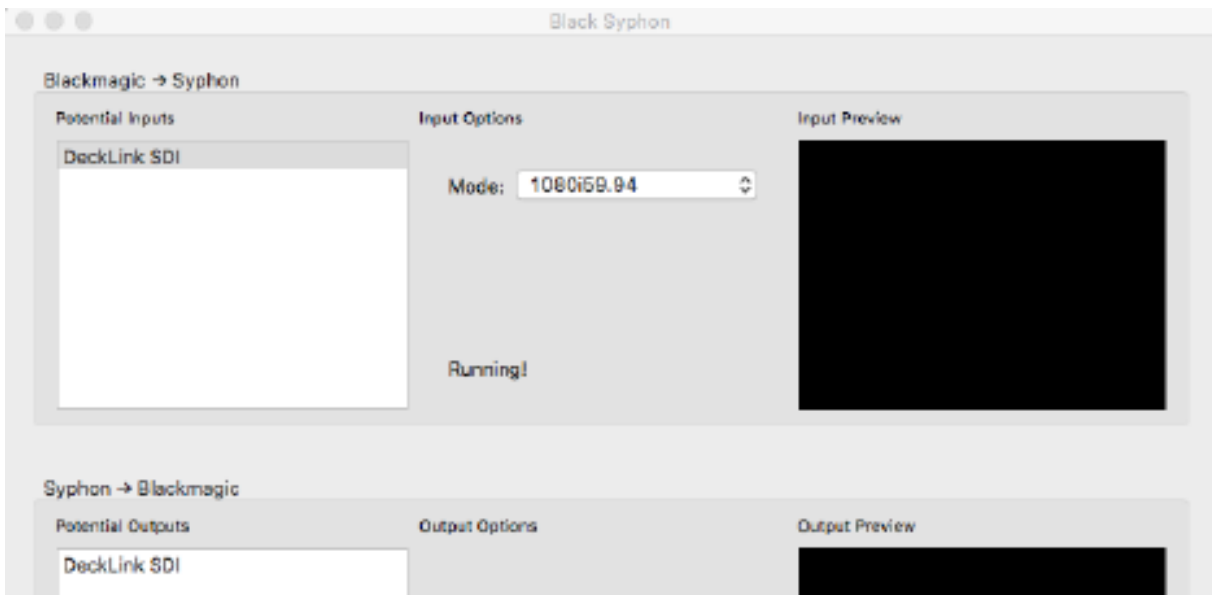
- 1) Be sure that Docker is running (its the spouting whale in the menu bar).



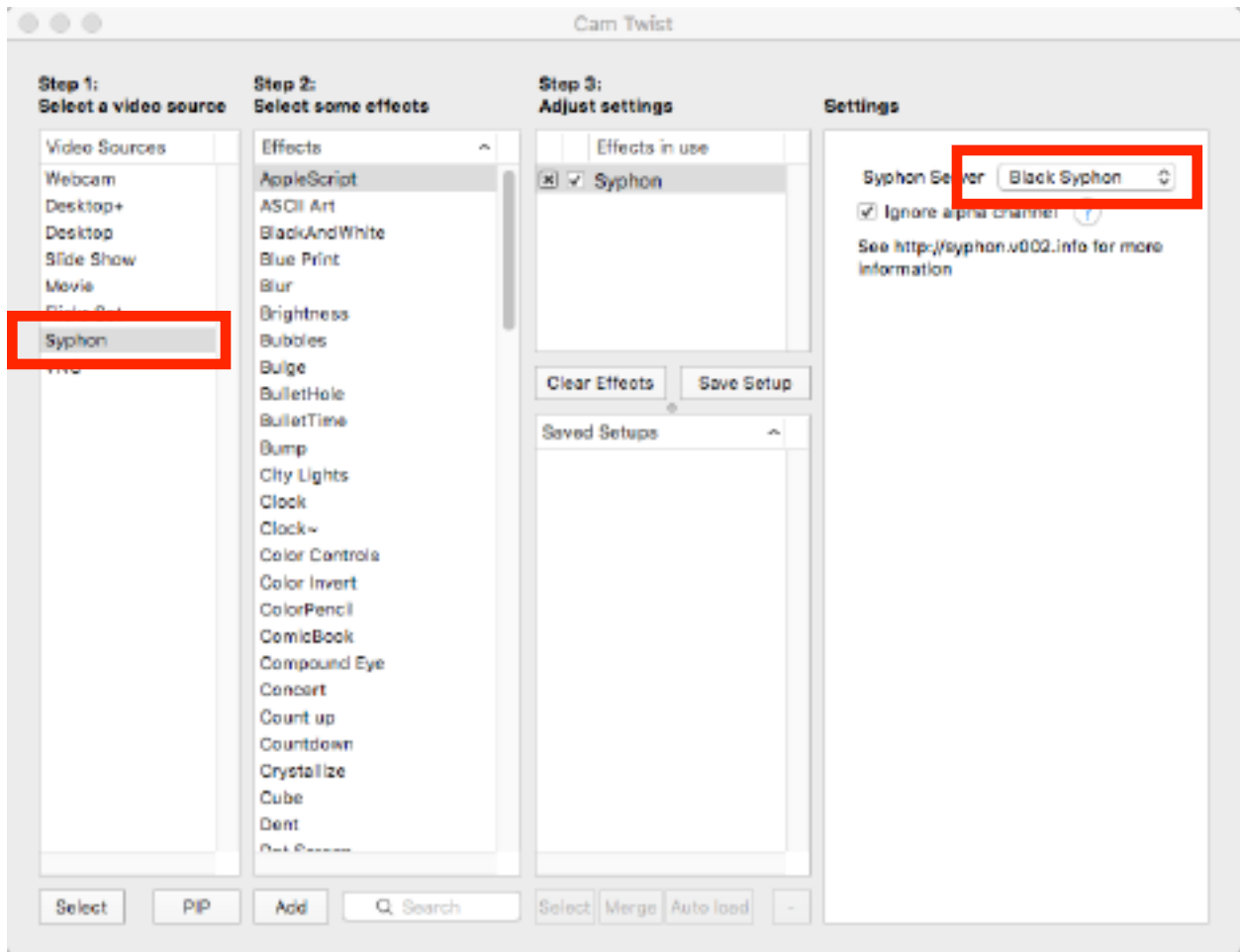
- 2) Start the VARs services shell script on the Desktop, double click the file with the .sh extension. Terminal will open and run the scripts to start the VARs micro-services.



- 3) Start 'Black Syphon' by selecting the Black Syphon logo from the dock. In the Black Syphon window choose DeckLink SDI as the Input and 1080i59.94 as the Mode — see below.



4) Start 'CamTwist' by selecting the CamTwist logo from the dock. If the main window isn't visible when you start CamTwist choose View -> Main Window. In the CamTwist Main Window Select 'Syphon' as Video Source (far left) and Choose 'Black Syphon' as the Syphon Server. — see highlights in red below.



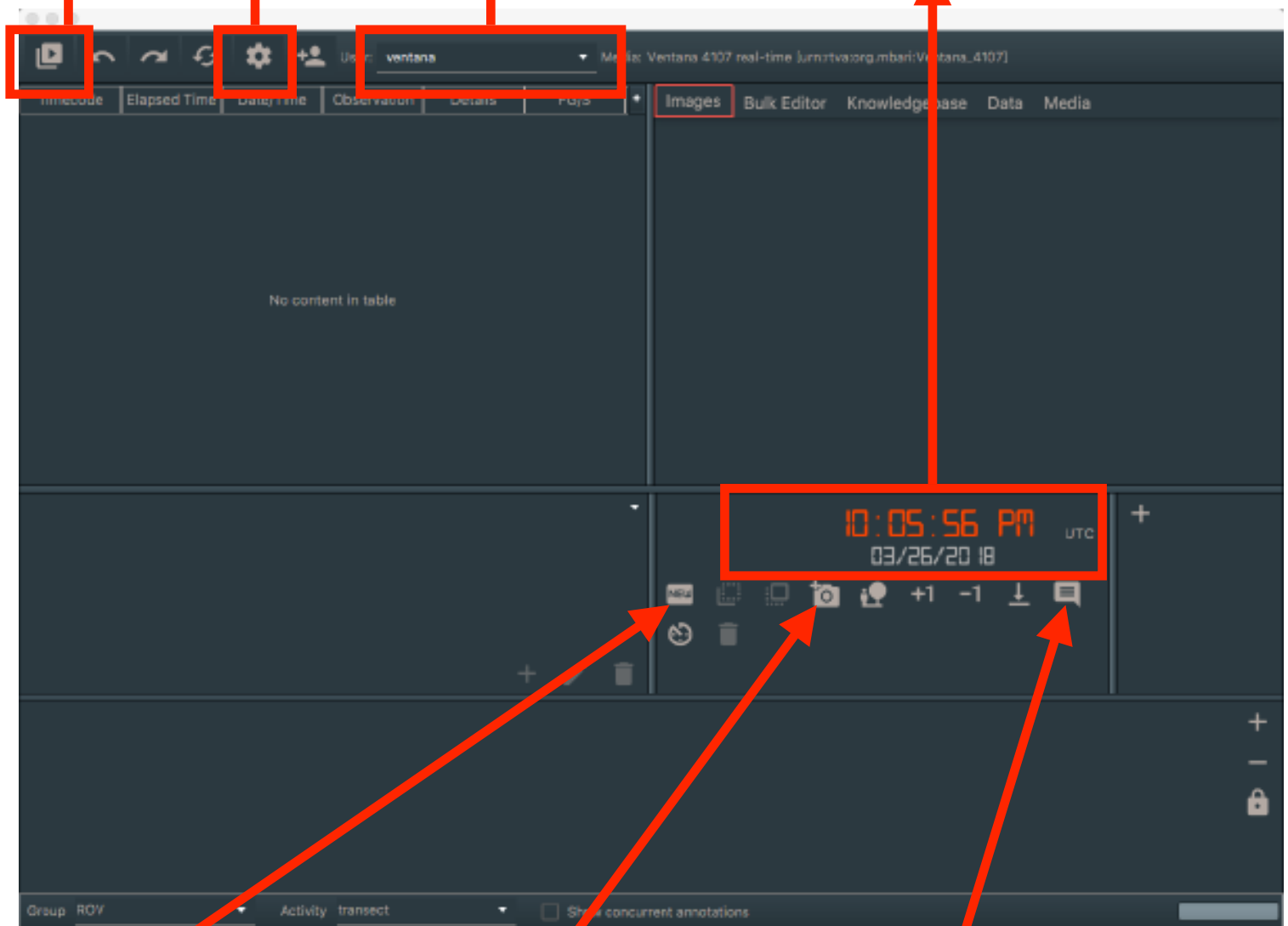
5) Finally, start VARS by double clicking the VARS App on the desktop. Icon:  When VARS opens choose the triangle in the square on the upper left and then from the menu that appears choose the ship icon. In the pop-up window be sure the platform is Ventana and enter the dive number — ask the pilots to confirm the dive number before entering. This will then show a running clock with red time displayed which is synced to the ship NTP server. Then enter a user name — the default is ventana. See highlights in red below.

Click this button, then select ship icon, then enter dive

Preferences

Enter user name here or use default. Note if you create a new user, you will likely need to restart VARS for the user name to display

Current running GMT time will display once you've followed the steps above properly.



Click the new button or command-N to create a new annotation without a frame grab

Click the camera button to create a new annotation with a frame grab

Click the comment button to add a comment to a new annotation

6) Once you've setup VARS as outlined above, please test frame grabbing with a live camera feed. If frame grabbing doesn't work, select the preferences 'Gear' icon at the top of vars. In the preferences window that pops up, choose the Video/Image Capture Device tab, select 'CamTwist' as the Available devices, then select OK — see highlights in red below.

