

Running Voodoo and collecting the Cx, Cy, Cz coordinates

**Pre-requisites:**

**Have your image sequence downloaded in its own folder.**

**\*Preferably each image is named in the format frame###.png**

**Download Voodoo Camera Tracker 1.2.0 from Viscoda :**

[https://www.viscoda.com/index.php?option=com\\_content&view=article&id=114&Itemid=585&lang=en](https://www.viscoda.com/index.php?option=com_content&view=article&id=114&Itemid=585&lang=en)

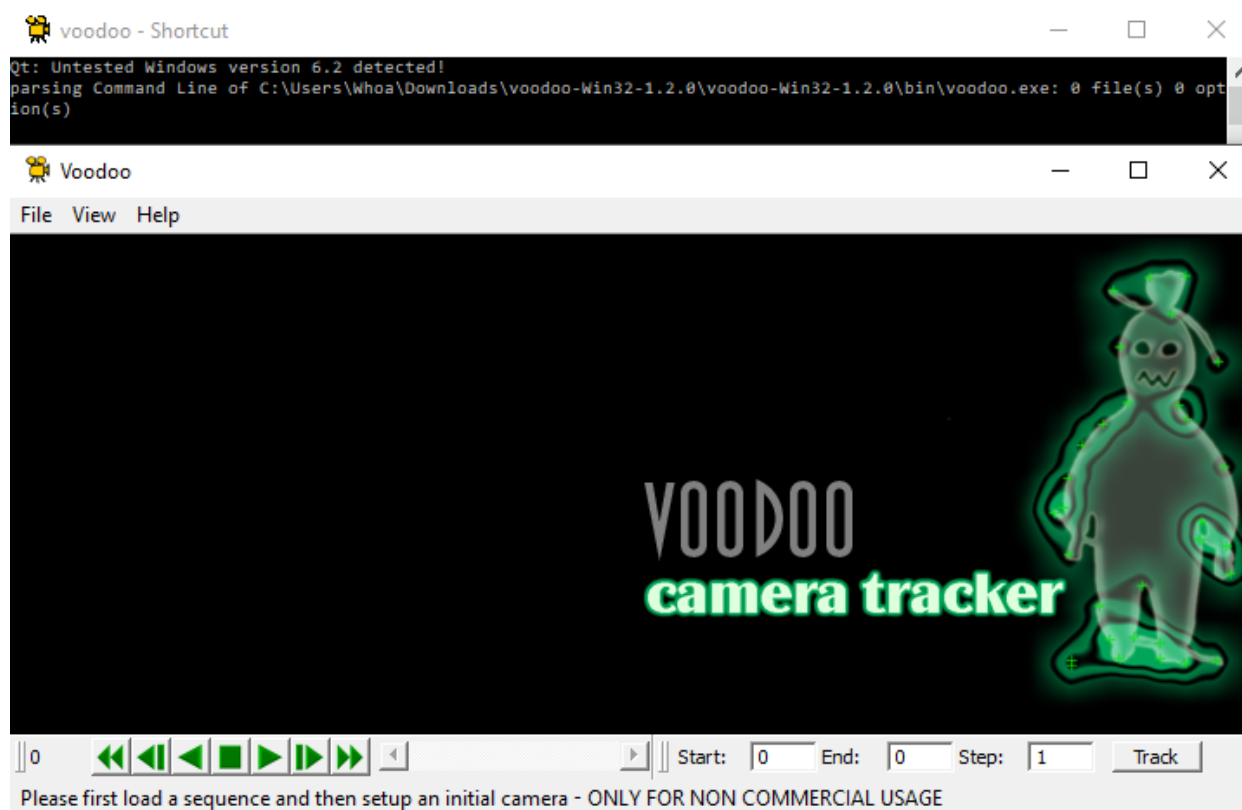
For information about Voodoo and what it provides you can check out :

[https://www.viscoda.com/index.php?option=com\\_content&view=article&id=104&Itemid=548&lang=en](https://www.viscoda.com/index.php?option=com_content&view=article&id=104&Itemid=548&lang=en)

1) Open Voodoo

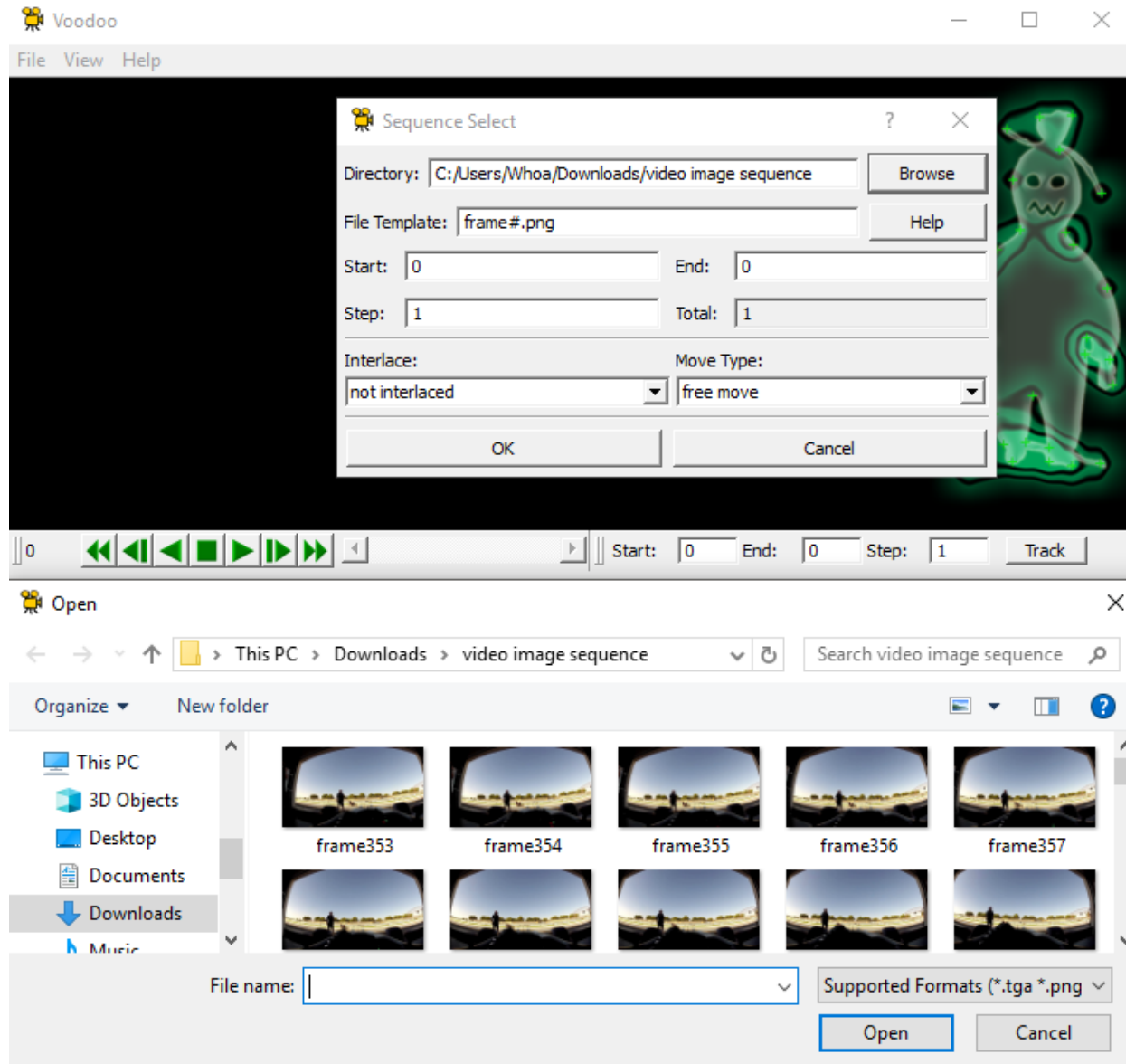
2) Select: File > Open > Sequence

(The short key is Ctrl S)



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3) Click Browse to find your image sequence. Then Select the first image from your image sequence and click Open.

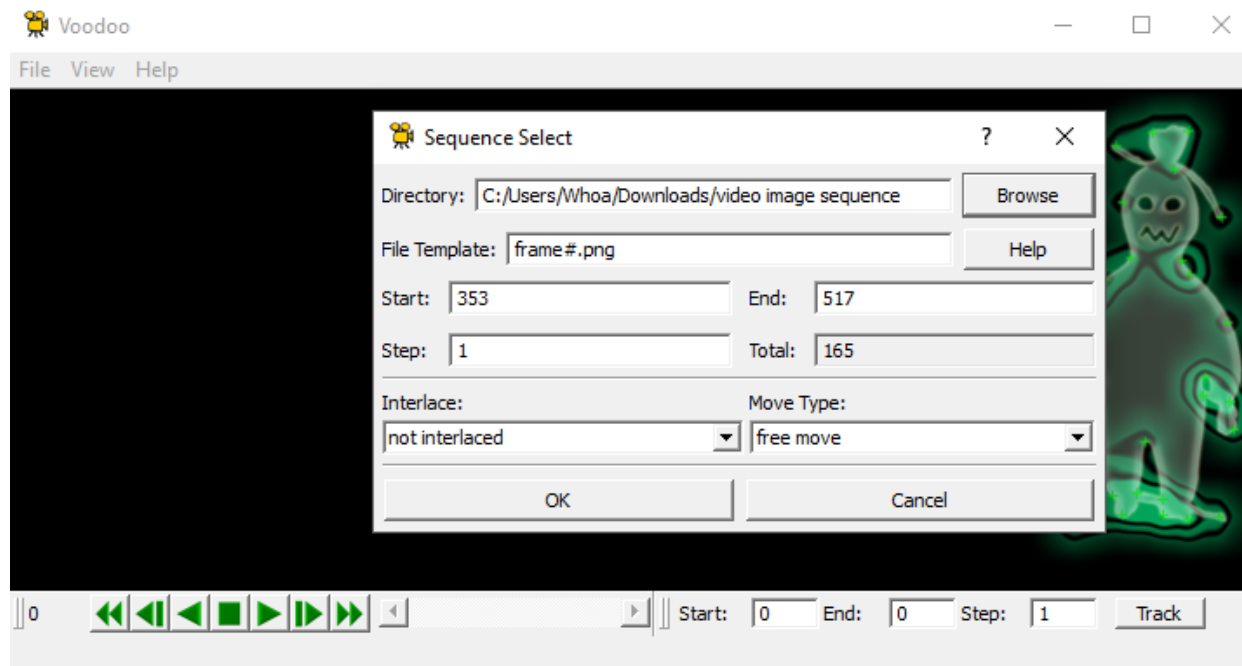


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4) Notice that the first image becomes your Start and the last image is automatically filled in as your End. Be aware of how the camera was moved in the video (tripod or free motion). For our video we select “free move” as our “Move Type”, and leave our interlace as “non interlaced”. If you have a different video or want to know why check out that second link from up above.

Ideally\* you Click OK and your first image should appear in voodoo.

\* I ran into issues with running frames 368-370, as well as large quantities of frames. It usually made the program crash. So instead I changed my End frame to 367. Completed steps 5 and 6, then ran Voodoo a second time with 368 as my start and 373 as my End. Once I got through those problem frames I could run 50-100 frames at a time. This does mean the coordinates for each set I ran do not correspond with one another. They will have to be altered to match later.



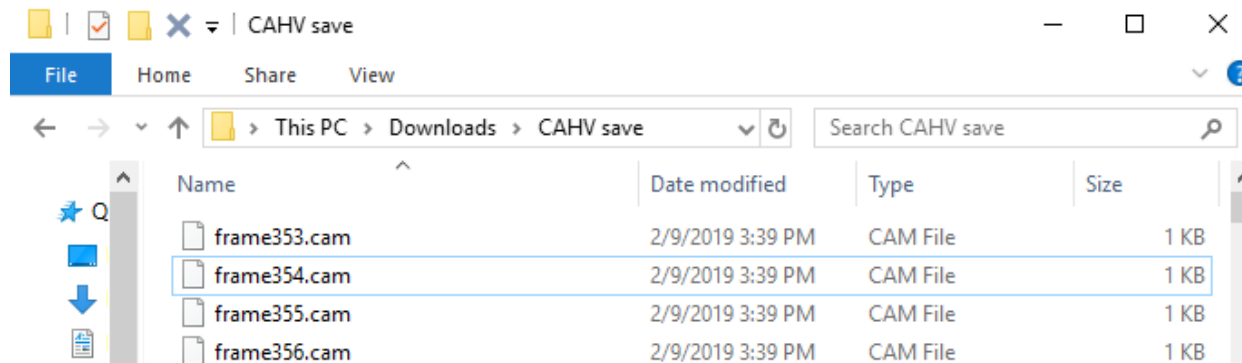
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5) Click Track on the bottom right and let the program run.



6) Once it's finished tracking go to File > Save > CAHV Camera

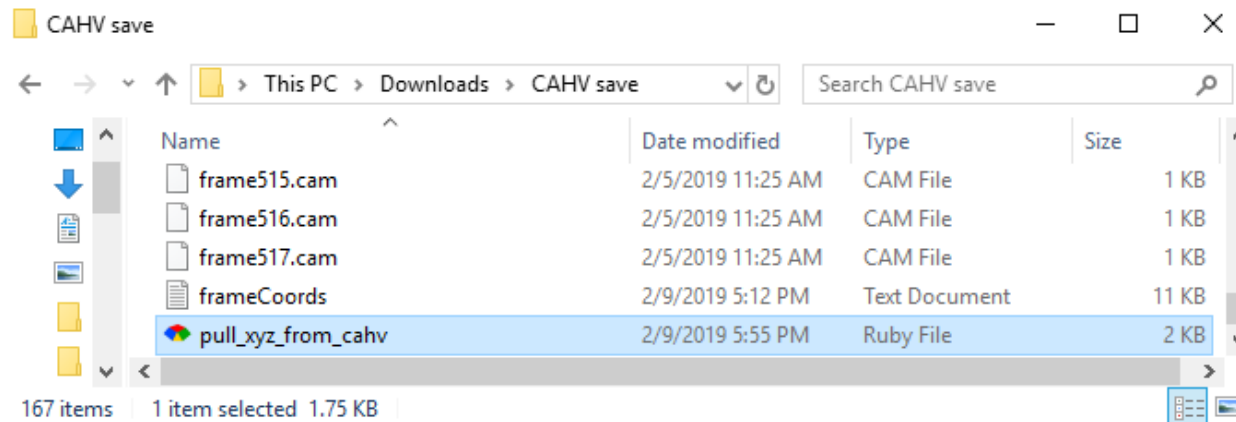
I recommend creating a new folder for all the .cam files



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**Pre Requisite: Download Ruby**

7) Save pull\_xyz\_from\_cahv.rb in the same file as all your .cam files you received from step 1-6. \* Note you should not have frameCoords.txt yet. If you do have this file, running the Ruby program will overwrite it.



8)Run pull\_xyz\_from\_cahv.rb Doing so will create or overwrite the frameCoords.txt file which contains the Cx, Cy, Cz coordinates from all of the .cam files.

\*\* If your .cam file names do not increment by 1, open the ruby file and change the while loop increment. If the .cam files do not have the naming format frame###.cam you will have to alter the ruby program further to find the files.

The screenshot shows a Windows Command Prompt window titled 'Command Prompt'. The command prompt shows the following text:

```
C:\Users\Whoa\Downloads\CAHV save>ruby pull_xyz_from_cahv.rb
file has finished running

C:\Users\Whoa\Downloads\CAHV save>
```