

After Phorcides is properly installed, it needs 2 files to calculate vector analysis on patient – as described in **RED** below – as well as a good Manifest Refraction on the patient. It needs a planned patient image of Higher Order Aberrations only (2. Below) and an Excel file from the Pentacam of mapped patients (3. Below)

1. Take images at VARIO – compare images and export 4 or more on each eye to planning station

- Comparison of images must be +/-0.75D agreement
- Compare 1:2, 1:3, 1:4....ensuring that #1 is a very good image
 - ◆ Free of dry spots centrally
 - ◆ Ensure images are P (Preferred amount of data over Optical Zone)

2. Complete surgical plan at **planning station** for Topo Guided Wavelight Treatment for each eye

- Double check the images in Raw Data Sagittal at first planning screen for consistency
- Enter normal planning data - MRx – VD – Pupils – Pachymetry (5 zones)
- At planning screen with 3 refractions.....Clinical/Measured/Modified
 - Enter Zero (0) in all 3 fields of the MODIFIED Refraction (Sph – Cyl – Axis)



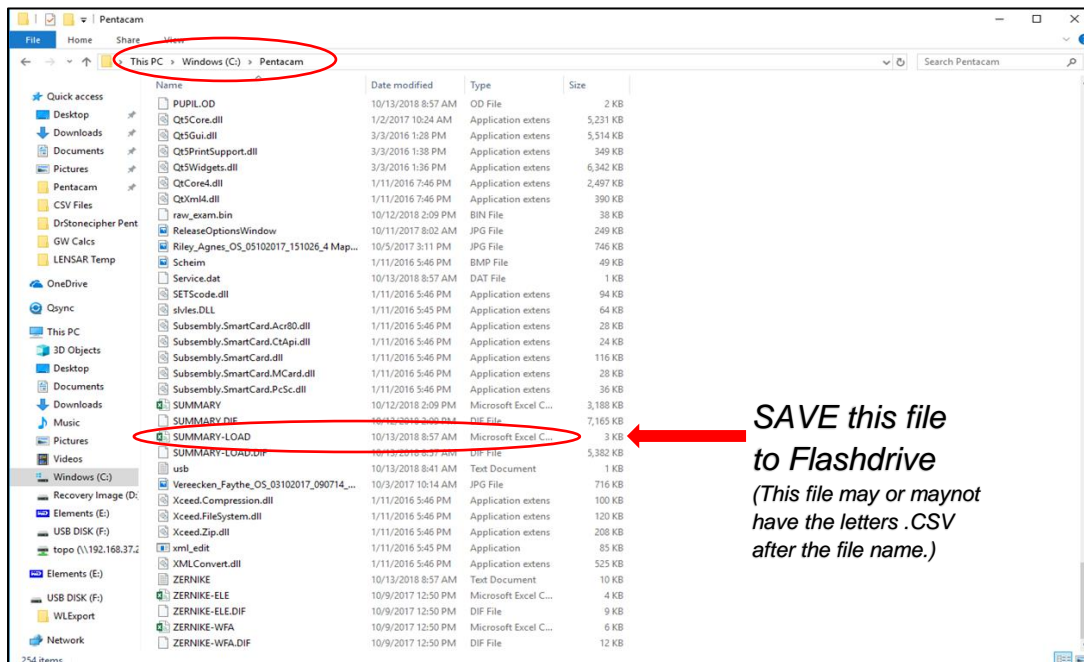
- **Insert Flashdrive and save the image from this screen by clicking CTRL P**
 - **Name the patient file with Name (LAST) and OD/OS**
 (This will automatically save the file on your flashdrive to take to your Phorcides computer)
 After you have saved this screen....you may X out of the treatment planning and go to the next eye to plan. Do not go to the final planning screen and confirm the entered treatment.
Don't worry.... the Wavelight system will save a placecard of all of your entered information.
 Following the Phorcides calculation – return to your patient – forward through the planning screens if there are no changes and simply put the NEW Modified Refraction in the system – then confirm the final planning.

3. At the Pentacam insert flashdrive

- Click on folder looking file at bottom of screen
- Select C drive >> then select Pentacam >> from there.....scroll down until you find the SUMMARY-LOAD.CSV file (may or may not have .CSV at end) and save this file on the flashdrive

(This excel spreadsheet file is created inside the Pentacam every time the 4 Map Refractive display is opened on each eye of the patient. Phorcides will know where to extract the information from this file. It is best to ensure all of the patients you wish to calculate with Phorcides are mapped and this display opened on each eye prior to downloading it. Most efficient is to do this on the morning of or afternoon after the patients are seen. – In the event a new patient is mapped on surgery day....you will need to go back to the Pentacam after maps are taken and load this file again to ensure your patient data is on the spreadsheet.)

(If your Pentacam information doesn't auto-populate when you OPEN IMAGE at Phorcides, it is likely because they were either measured after the file was saved to flashdrive or the spelling of the name is not consistent with the way it was spelled in the Alcon WaveNet system.)



**SAVE this file
to Flashdrive**
*(This file may or maynot
have the letters .CSV
after the file name.)*

In some newer Pentacam, the C drive is labeled C:Bootcamp. Please always open the 4 Map Refractive display, even if you typically use the 4 Map Selectable display. Only the 4 Map Refractive will generate the data needed for the Phorcides Analytic Engine.

4. Insert the Flashdrive in Phorcides computer

- Drag and drop laser image into Patient Topo Exams Folder on Desktop
- Drag and drop Pentacam SUMMARY-LOAD.CSV file into Pentacam Folder on Desktop

5. Open Phorcides Analytic Engine

- Click OPEN IMAGE
- Select the Patient Eye to be calculated
- Will auto-populate all fields but you must **double-check all fields for accuracy**
 - Pale yellow indicates Phorcides is unsure of the entry
 - Bright yellow indicates Phorcides cannot read the value at all – manually input

6. You may circle any taluses unassigned by the computer as described in the training Webinar by Mark Lobanoff, MD and assign a value (50% - 100% by scale on right) – however this is not necessary for good results

7. Next – select Analyze

8. Complete the Analysis by SAVE – File will be saved to the Phorcides Results for Printing – the system will save an image of the Worksheet and also a separate image of the Vector Analysis in this folder.

(The analysis of the talus is not a saved image. If you wish to save this for future reference, when you are at that segment of the process – you may save by pressing SAVE IMAGE at the top of that screen and put it in a folder on your computer of your choice.)

9. To complete the next eye – Select OPEN IMAGE and repeat steps 5-8