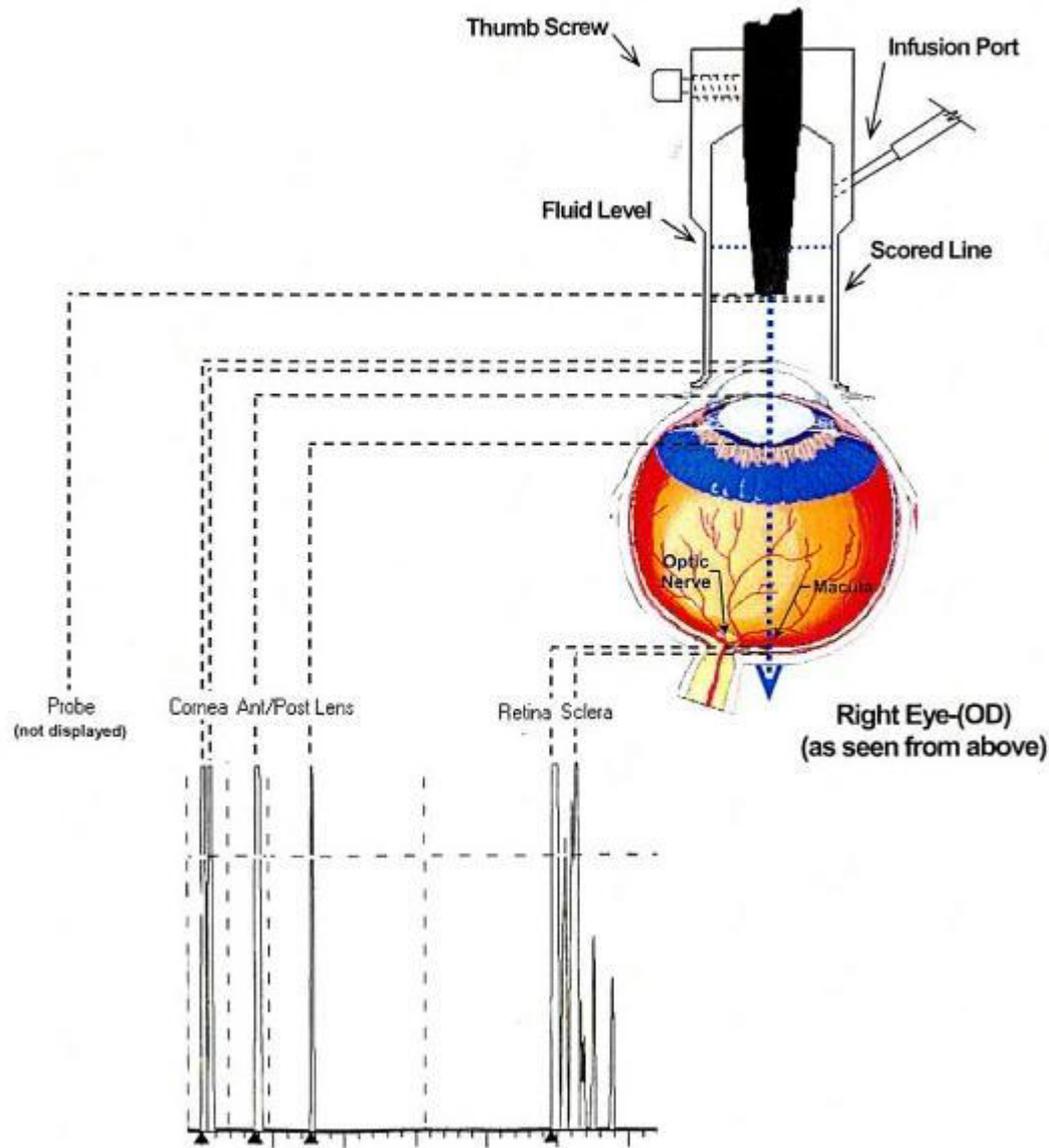


Accutome A-scan Plus Connect ® Visual Aid

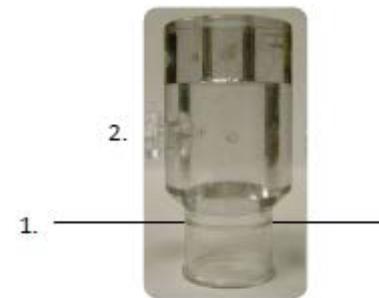


Immersion Biometry with an Infusion Shell



Probe Position

1. Insert probe through the hole on the top of the immersion shell. Do not extend the probe past the scored line.
2. Twist the screw on the side of the shell, locking the probe into position. Do not over tighten.



Control Tabs

Used to navigate to different screens within the software. Each tab takes your to the corresponding screen for things like transferring or recalling **exams**, viewing a **measurement** for a patient, performing an **IOL** implant **calculation** or customizing the software **setup** to meet your particular needs.



Accutome A-Scan Plus (Connect) Version 5.00.00 RC3

Exams | **Measurement** | **IOL Calculation** | **Setup**

Manage Ver. 4.0 Exams (A-Scan Plus USB)

- User Select
- Net Shared Transfer Exams to: **Net Shared**
- USB Disk Select USB Drive:

Folder:

Ver. 5.0 Folder:

Patient Name	ID	DOB	Date Saved	Scans	Calc.	Reports	Ver.
CLINICAL, ACRYLIC	180633-5		11/7/2012	Yes	Yes		5.0
CLINICAL, DENSE-CATARACT	374895	1/12/1948	11/7/2012	Yes			5.0
CLINICAL, NORMAL_4	368838-4		11/7/2012	Yes	Yes		5.0
CATTELL, JOHN	12345		8/29/2012	Yes	Yes		5.0

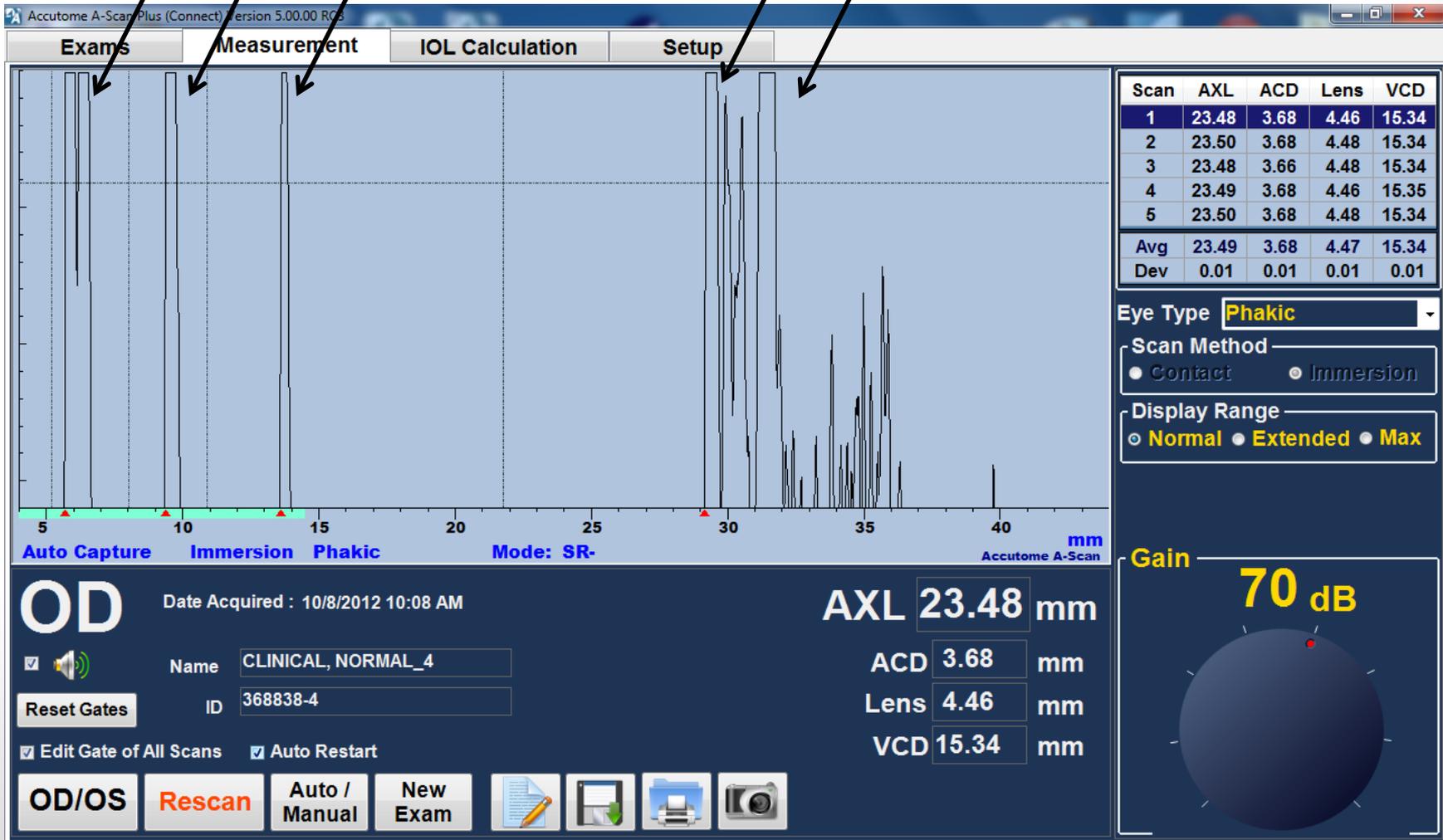
Number of Exams: 6

Only show exams with scans, calculations, or reports

Scan Alignment

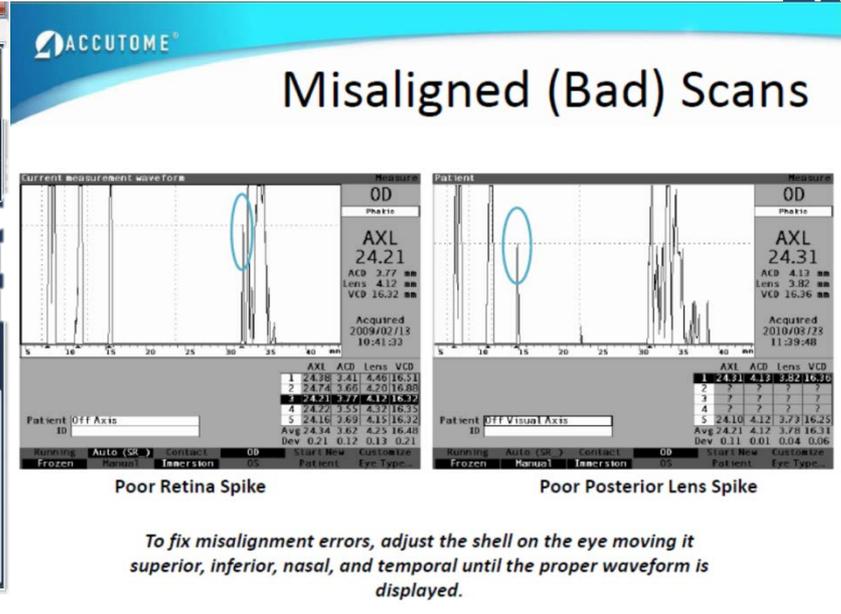
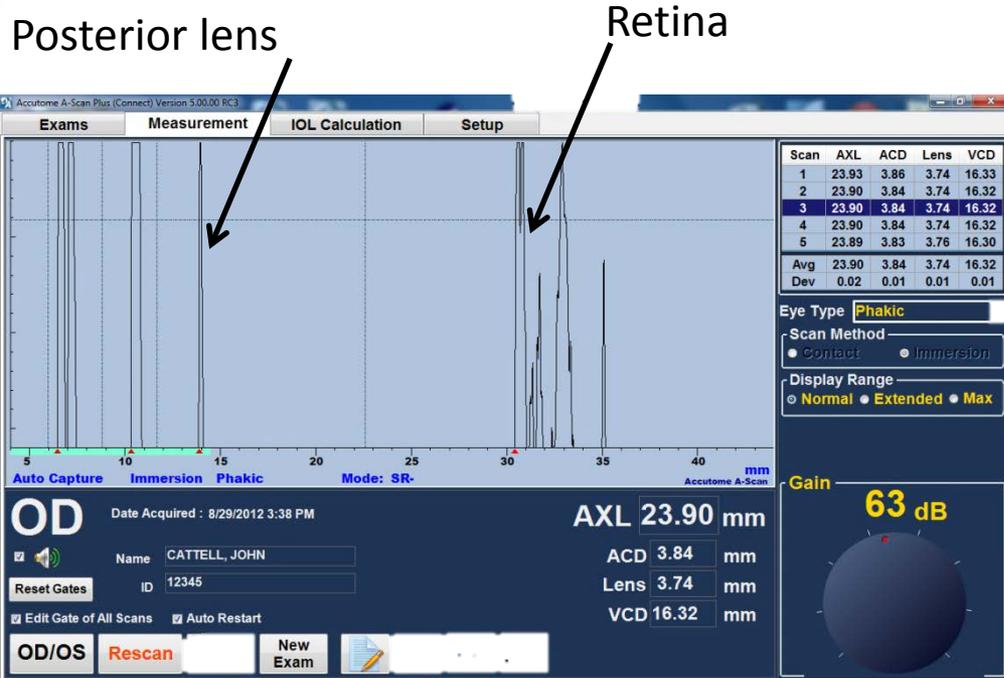
Proper scan alignment

Cornea Front of lens Back of lens Retina Sclera



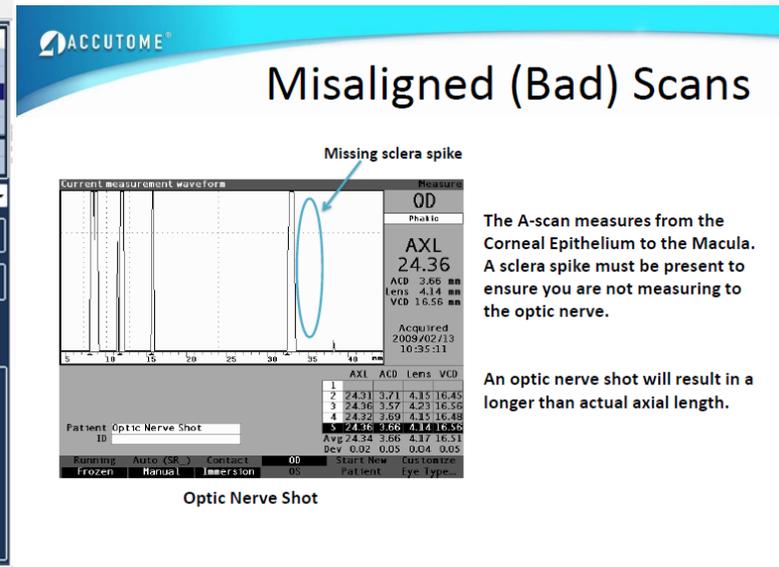
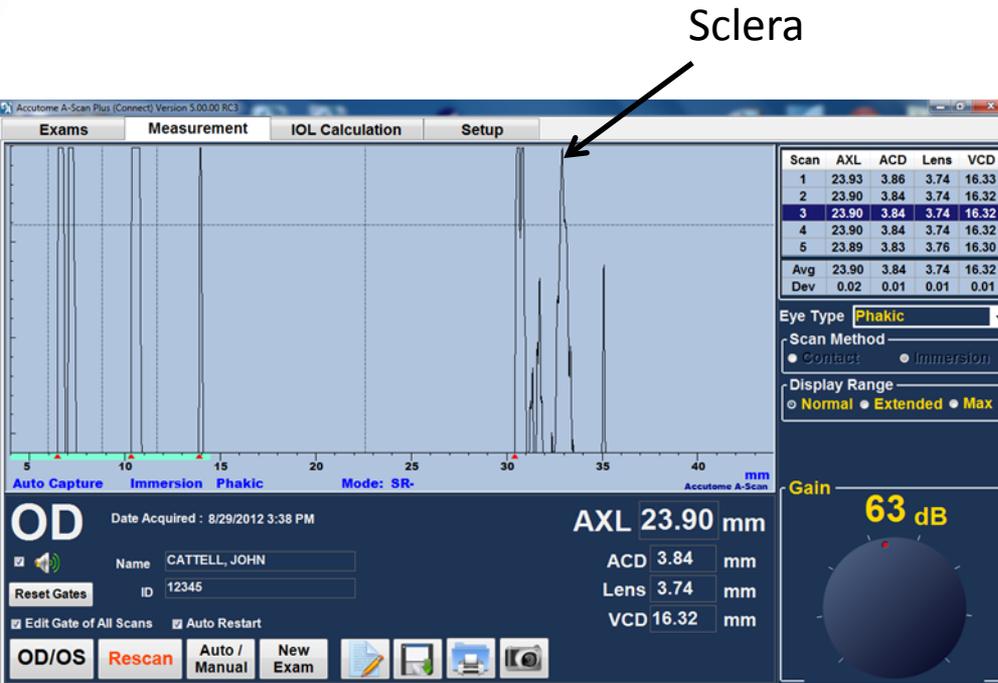
Scan Alignment

Misaligned scans will not show all 5 spikes. The most common errors are a diminished posterior lens spike or a diminished retina spike. If these spikes are diminished or missing a slight adjustment of the immersion shell is needed



Scan Alignment

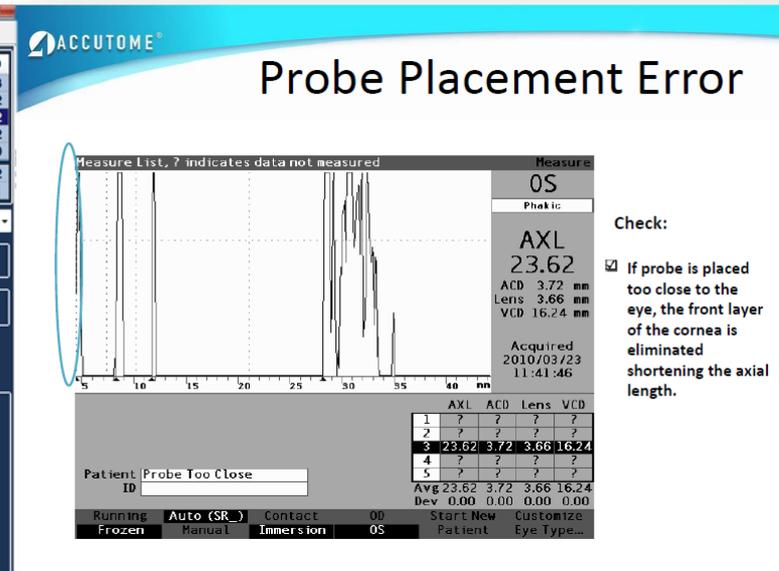
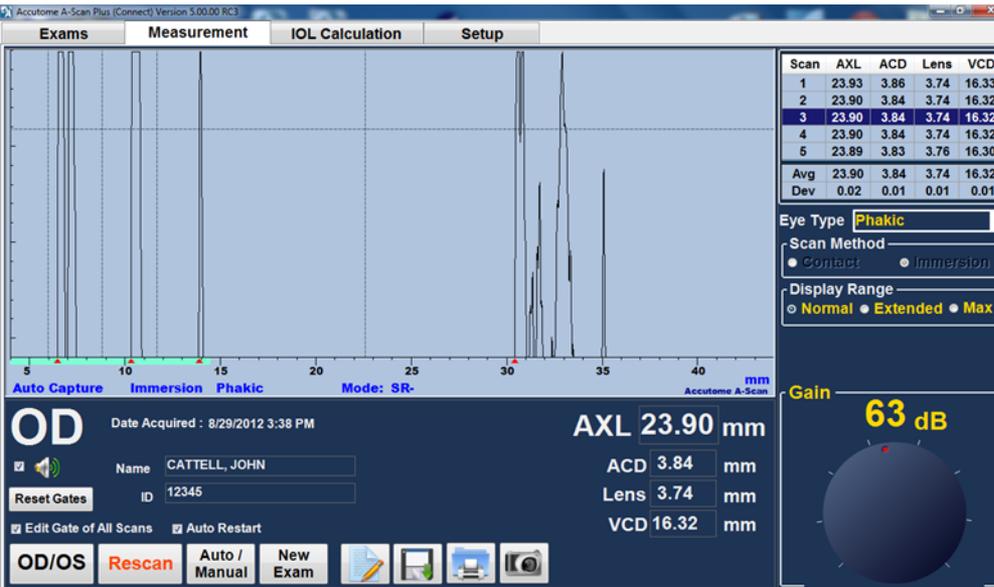
A missing sclera spike indicates an optic nerve shot, you must adjust the shell in order to aim the sound beam away from the optic nerve and towards the macula.



If getting an optic nerve shot one normally needs to aim inferior and temporal. The shell must be adjusted, this scan will give a falsely long axial length.

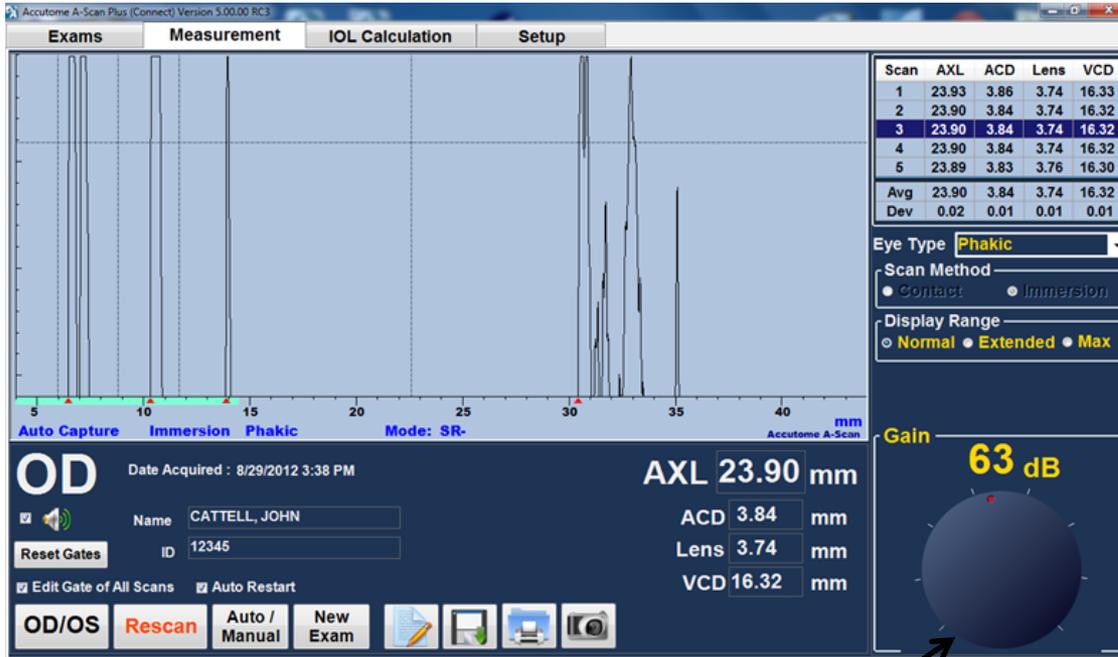
Probe Placement

It is imperative that the probe not go past the etched line in the immersion shell, if the probe is placed too far into the shell the cornea will be removed giving a measurement error.



Check:
 If probe is placed too close to the eye, the front layer of the cornea is eliminated shortening the axial length.

Gain



Increasing the gain amplifies the echoes on the display screen. More gain is required for denser cataracts.

When gain is too high, the scan becomes oversaturated resulting in a shorter than actual axial length.

To increase the gain simply turn the knob on the screen with the mouse. Default gain should be around 61 dB

Gates

Gates are used by the software to mark the appropriate peaks in order to measure axial length. The gates are the dotted lines on the measurement screen, and the markers “mark the peak”. In order to adjust the gates simply “click and drag” the gate to the location you prefer.

