

Fire CR Calibration Guide

This reference guide will guide you through the steps to complete the calibration for the Fire CR.

Getting Started:

- 1. Click on the Opal Icon on the Desktop. Figure 1
- 2. Once you Login you will receive a "calibrate first" pop up message box. Figure 2
- 3. Click Ok.
- 4. Login using username and password. Figure 3
 - a. Username siteadmin
 - b. Password 123456789

calibrate first		×
\bigotimes	Calibration Data for 14X17 does not exist Calibration Data for 10X12 does not exist	
_	ОК	

Figure 2







- 5. Select a *Test* study from the study list, left clicking one time. **Figure 4**
- 6. Left click, Add New Image button, which opens the Acquire screen. Figure 5



Figure 4



7. Select the *Options* button in the lower right hand corner to open the Configuration screen. **Figure 5**



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- 8. In the configuration window select the *Device Configuration* tab. *Figure 6*
- 9. Select DEFAULT on the left to activate the Acquisition Device section. *Figure* 7
- 10. Using the scroll bar to find *Calibration Status BAD*. Figure 7
- 11. Left click Launch Utility to open/start the Calibration.

Subject Tree Device Configurations Program Settings Tools & Annotations Post-Processing Configuration Pool Add Acquisition Device Display Name Icon Image: Show only available devices Image: Show only available devices Device Management Calibration Path Browse Image: Show only available devices Device Management Calibration Bath Image: Show only available devices Image: Show only available devices Device Licensing and Driver Installation Calibration Browse Image: Show only available devices Image: Show only available devices Device Licensing and Driver Installation Configuration Configuration Browse Image: Show only available devices Defaults Administrative OK Cancel Apply	Configuration			×
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Administrative OK Cancel Apply	>> Launch <<	Configuration		
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	Defaults	Administrative	OK Cancel	Apply

Figure 7





Scan Low Dose	Scan Low Dose	Create the second calibration image file.
Scan Mid Dose	Scan Mid Dose	Create the third calibration image file.
Scan High Dose	Scan High Dose	Oreate the fourth calibration image file.
Calibration I	Calibration	Create calibration data file.
Exit	Exit	Close IP Calibration window.
• 10"x12"	Cassette Selection	Select IP size for calibration.
Accept	Accept	Accept calibration image file. Accept button is displayed to accept calibration image file ယွည်ငှာ value is out of range.
Reject	Reject	Reject calibration image file. Reject button is, displayed to reject calibration image file ଧୁମ୍ଭାର୍ମ୍ସ value is out of range.
Help	Help	Open Calibration Manual,, it PDF reader program is not installed, The PDF reader setup program request message is popup



Fire CR Calibration Steps

The steps below will guide you in the calibration process. Each step, once completed will enable the next button until the calibration is completed. Start with the 14"x17" cassette then repeat these steps for the 10"x12" cassette.

Step 1: Auto Alignment

 Perform Auto Alignment function prior to starting the calibration, this finds the optimal Laser beam position. *Figure 8*



Figure 8

Step 2: Erase

- > Insert the cassette into the scanner.
- > Left click on Erase; this erases the cassette prior to calibration. *Figure 9*
- > Remove cassette.







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Step 3: Scan Blank

- The Scan Blank button is enabled after performing Step 2.
- > Re-Insert the cassette into the scanner (which was just erased).
- > Left click Scan Blank to acquire the first calibration image. Figure 10
 - Mean intensity value of the blank image will display in green if this is an acceptable range and you may continue.
 - If the mean intensity is in red another image must be acquired.
 - To lower the man intensity value of the blank image, Repeat step 2.





Step 4: Scan Low Dose

- Remove cassette to expose the cassette to X-ray using the following:
 - 50 kVp
 - 0.4 mAs
 - 1.0 SID
- > Insert cassette into the scanner.
- > Left click Scan Low Dose. Figure 11
 - Mean intensity value of the blank image will display in green if this is an acceptable range and you may continue.
 - If the mean intensity is in red another image must be acquired.
 - To increase the mean intensity- increase the x-ray dose.
 - To decrease the mean intensity decrease the x-ray dose.



Figure 11



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Step 5: Scan Mid Dose

- > Remove cassette to expose the cassette to X-ray using the following:
 - 50 kVp
 - 1.8 mAs
 - 1.0 SID
- > Insert cassette into the scanner.
- > Left click Scan Mid Dose. Figure 12
 - Mean intensity value of the blank image will display in green if this is an acceptable range and you may continue.
 - If the mean intensity is in red another image must be acquired.
 - To increase the mean intensity- increase the x-ray dose.
 - To decrease the mean intensity decrease the x-ray dose.



Figure 12

Step 5: Scan High Dose

> Remove cassette to expose the cassette to X-ray using the following:

50 kVp

5.4 mAs

- 1.0 SID
- > Insert cassette into the scanner.
- > Left click Scan High Dose. Figure 13
 - Mean intensity value of the blank image will display in green if this is an acceptable range and you may continue.
 - If the mean intensity is in red another image must be acquired.
 - To increase the mean intensity- increase the x-ray dose.
 - To decrease the mean intensity decrease the x-ray dose.



Figure 13



Step 6: Calibration

- > Click the Calibration button to generate calibration data. *Figure 14*
- > Data is saved in the local program folder.
- Once this is complete the calibration window will close automatically.









The Exit button can be used at any time to exit out of the calibration process and the Help button will display the calibration documentation if needed. *Figure 15*





CAUTION

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FireCR is running only after generation of calibration file.

