

Profiling an Instrument with NetProfiler

1) Type in your user ID and password

👻 NetProfiler Release 1.8			
<u>File R</u> eports <u>S</u> etup <u>H</u> elp			
Communications	Levels		
	NetProfi	ler	
_ Welcome			
User ID:	Instrument Type: (se	lect)	
Password:	<u>T</u> ile Set:		
Comment:		×	Start Testing
No Instrument			3/2/2009

2) Select the correct instrument from the dropdown list. If your instrument is not listed, you may need to download the driver for your instrument from <u>www.xrite.com</u>

👻 NetProfiler R	elease 1.8				
<u>F</u> ile <u>R</u> eports <u>S</u> etu	ıp <u>H</u> elp				
Communications	Light Levels			-	Certification
	N	etPro	filer		
Welcome					
<u>U</u> ser ID:	dodge	Instrument Type:	(select)	1	
<u>P</u> assword:	минии	<u>T</u> ile Set:	SF600 SF600PLUS SF600PLUSCT		
<u>C</u> omment:			SP62 SP64 SpectroEye Spectrolino ×R938 ✓	50	art Testing
	,				
No Instrument			dodge		3/2/2009



3) Type the tile set number in the box provided and click "Start Testing"

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<u>File R</u> eports <u>S</u> et	up <u>H</u> elp					
Communications		s <u>B</u> epeata	ability			
	NetProfiler					
Welcome						
<u>U</u> ser ID:	dodge	Instrument Typ	pe: SP64	-		
<u>P</u> assword:	*****	<u>T</u> ile S	et: STS162S			
<u>C</u> omment:				<	Start Testing	
SP64	SP64A00193	STS162S	dodge		3/2/2009	

4) At the screen below, verify that the tile set temperature is stable and click "Yes"

NetProfiler Alert for tile set "STS162S"	×			
Alert				
 Has the tile set reached a stable temperature? Has each tile in the set been properly cleaned? 				
Steps 1 and 2 must be performed before you can continue profiling.				
Yes No				



 The following screens appear in sequence. Follow the on screen instructions and click the "Proceed with Test" (bent arrow) to continue through the calibration steps. Screens for profiling 0/45 instruments will differ as these instruments do not measure SCI.

Show More Details	Heterofiler Reigase 1.8	Use Keyboard
Cancel Test Run	× + - 🔤 🖓 🊧	Proceed with Test
Restart the Current Test	SET the instrument in SCI/UV Included/Large Lens/Large Aperture MODE.	
	NetProfiler Release 1.8	

When profiling X-Rite Handheld instruments the following message will appear. This does not apply to benchtop instruments which directly prompt for the instrument calibration sequence.



Note: If you are profiling a CE 7000 or a CE 7000A instrument, a brief Light Level test will be performed. Please follow the onscreen instructions to complete this test.



👻 NetProfiler Rel	ease 1.8				
<u>File R</u> eports <u>S</u> etup	<u>H</u> elp				
Communications		<u>R</u> epe	atability		Certification
Repeatabili	ty) (bite Tile	Dhua Tila
👥 Whit	e Tile Repeata	bility		white the	Dide Tile
😻 Cal	ibrate	\checkmark	Repeatability	8	\$
Ev	Evaluate Repeatability				
Dark Blue	Dark Blue Tile Repeatability				
Calibrate					
Evaluate Repeatability					
SP64	SP64A00193	STS162S	dodge		3/2/2009

6) The following two screens will appear for the Repeatability Test



After an initial calibration, you will run the white repeatability test using the instruments white calibration tile. **Do not use the white tile from the Net Profiler tile set.** For X-Rite Handheld instruments before proceeding, with the instrument centered on the instruments calibration tile, depress the instrument and initialize a "pre-test measurement". **Do not release the instrument.** After the instrument makes this first initial measurement, left-click on the "Proceed with Test" arrow in the NetProfiler software. **This pre-test measurement does not apply to bench top instruments.**





You will be holding the instrument down with its shoe closed (in the read position) until the completion of the test. A pop-up window displays the progress of the test.



After the test, a green traffic light signifies a passing result.





After a second calibration (described in step 5 above), you will run the blue tile repeatability test. Use the dark blue tile (tile number 13), for this test. Whenever measuring a tile, you should strive to measure in the center of each tile. There are four very slight indentations that will help you align the Sp or 900 series instrument so that it measures in the center. Always use the same orientation for measuring the tile. As with the white tile repeatability, depress the instrument and initialize a "pre-test measurement". **Do not release the instrument.** After the instrument makes this first initial measurement, left-click on the "Proceed with Test" arrow in the NetProfiler software. **Again, this pre-test measurement does not apply to bench top instruments.**

You will be holding the instrument down with its shoe closed (in the read position) until the completion of the test. The following two screens depict the Blue Repeatability test







A pop-up window displays the progress of the test. After the test is complete, a green traffic light signifies a passing test



After completing the repeatability tests, please follow the instructions from the software throughout the rest of the profiling procedures. If a test fails you my select the back arrow key ("Restart the Current Test") to repeat the test. If multiple failures on any test occur when using the back arrow, **it is imperative that you fully complete the profiling process.** This will allow the failed data to be placed on the NetProfiler server for further evaluation and diagnostics by X-Rite.

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7) Following another calibration of the instrument (Step 5 Above) we will proceed to the Inter Instrument Agreement Test (IIA). This is the first of two series measuring all of the color tiles in the profiling process. Fill in the tile set temperature in the box provided and click on "Measure Tile."

👻 IIA - Measure Tiles to g	enerate SCI profile	
STS162S - 2/19/2008 calibrat	ion	Cancel
White	Orange	Current Profile: 1/29/2009
LightGray	Yellow	Tiles' Temperature: 66.9
MidGray	Green	Last Measurement:
DarkGray	BlueGreen	
DarkGrayBlue	Blue	•
Maroon	DarkBlue	
Red		Measure Tile

In the event that you are using a portable handheld instrument the following screen will appear after clicking on "Measure Tile". Complete measurements on all tiles. **This screen will not apply to bench top instruments.**







After measuring all of the color tiles click on "Yes" to proceed.

You will next be prompted to calibrate the instrument again. Follow Step 5 above to calibrate your instrument.



8) The next step in the profiling process is to measure the tile set White Tile in SCE (SPEX) mode. The instrument will be automatically configured for this condition (the 7000 bench top will need to be manually set to SCE mode). The following screen signifies the starting point for this test. Please enter the tile set temperature in the box provided and initialize the white tile measurement by clicking on the "Measure Tile" button. The following three screens depict this process. This step will not apply to 0/45 geometry instruments.

👻 IIA - Measure WHITE Tile only to generate SCE profile	. 🔀
STS162S - 2/19/2008 calibration	Cancel
White	Current Profile: 1/29/2009
	Tiles' Temperature: F
NOTE: Only the WHITE Standard tile from "STS162S" is required to generate SCE profile.	Last Measurement:
	\$
	7
	Measure Tile

This screen will be present when measuring with an X-Rite handheld instrument. This will not apply to bench top instruments.





9) At the end of this measurement process you will be presented with a Flashing screen before the NetProfiler server is contacted to generate the profile for the instrument.



When the new profile has been created on the NetProfiler server the following message will appear

NPTestL	Jnits 🔀
į)	A new profile for your instrument was available. The expected average DE for SCI = 0.237 You now need to re-measure the tiles with this profile before you can use it in a production environment.
	OK



10) Before the profile can be used in a production environment, and to complete the profiling process, the previous IIA and SCE measurements must be repeated. Again, you will be prompted to calibrate your instrument similar to Step 5 above. At the completion of this calibration the following two screens will be presented.



After clicking on the "Proceed with Test" arrow (bent arrow) the following screen will appear with out any check marks next to the color tiles. The temperature box will need to be filled in with the current tile set temperature. Similar steps to Steps 7 (IIA test) and 8 (SCE test) above will be repeated. After measuring all of the color tiles the following screens will be presented



👻 IIA - Measure Tiles to g	generate SCI profile	
_ STS162S - 2/19/2008 calibra	ation	Close
Vhite	Orange	Current Profile: 3/2/2009
LightGray	Yellow	Tiles' Temperature: 67.5
MidGray	NPTestUnits	Mascurament
DarkGray	You have measured all the tiles. Pro	oceed?
DarkGrayBlue		
Maroon	DarkBlue	7
Red		Measure Tile

Click on "Yes" to proceed



Another calibration cycle will be prompted. This is similar to Step 5 above. Once the calibration cycle has been completed the SCE measurements will be prompted. Again fill in the tile set temperature and measure the tile set White Tile. The following two screens depict this process. **Again, this will not apply to 0/45 geometry instruments.**



👻 IIA - Measure WHITE Tile only to generate SCE profile	e 🔀
STS162S - 2/19/2008 calibration	Cancel
White	Current Profile: 3/2/2009
	Tiles' Temperature: 67.5 F
NOTE: Only the WHITE Standard tile from "STS162S" is required to generate SCE profile.	Last Measurement:
	\$
	7
	Measure Tile

👻 IIA - Measure WHITE Tile only to generate SCE profil	e 🔀
STS162S - 2/19/2008 calibration	Close
Vhite	Current Profile: 3/2/2009
NPTestUnits	Files' Lemperature: 67.5
NOTE: Only the WHI "STS162S" is require	:Measurement:
<u>Y</u> es <u>N</u> o	le 🐺
	7
	<u>₽</u>
	Measure Tile



11) By clicking on "Yes" the verification rounds of IIA and SCE will have been completed. The information will be sent to the server and the comparison of the profile and verification rounds will be performed. The results will be reported in the following screeen.

NPTestl	Jnits 🛛 🔀
٩	The new profile performs within IIA tolerances. The average dE is 0.232 (SCI) .
	(OK

After clicking on "OK" on the screen above, you will have an opportunity to review any test results during the profiling process from the screen below.



After reviewing any test results the data will be sent to the server and the server will request if you wish to make the new profile the current profile for the instrument. Select "Yes" to accept the new profile. Again, even if the profile failed, by completing the profile process valuable diagnostics information will be available for X-Rite Technical Support to diagnose instrument issues. **It is highly recomended you complete the profiling process.**

Uploading Test Run 'SP64A00193'			
		t	
	Receiving Response		
	NetProfiler 🛛		
	Set the new profile as the current profile for this instrument?		
	<u>Y</u> es <u>N</u> o		



The following screen denotes the completion of the test.

