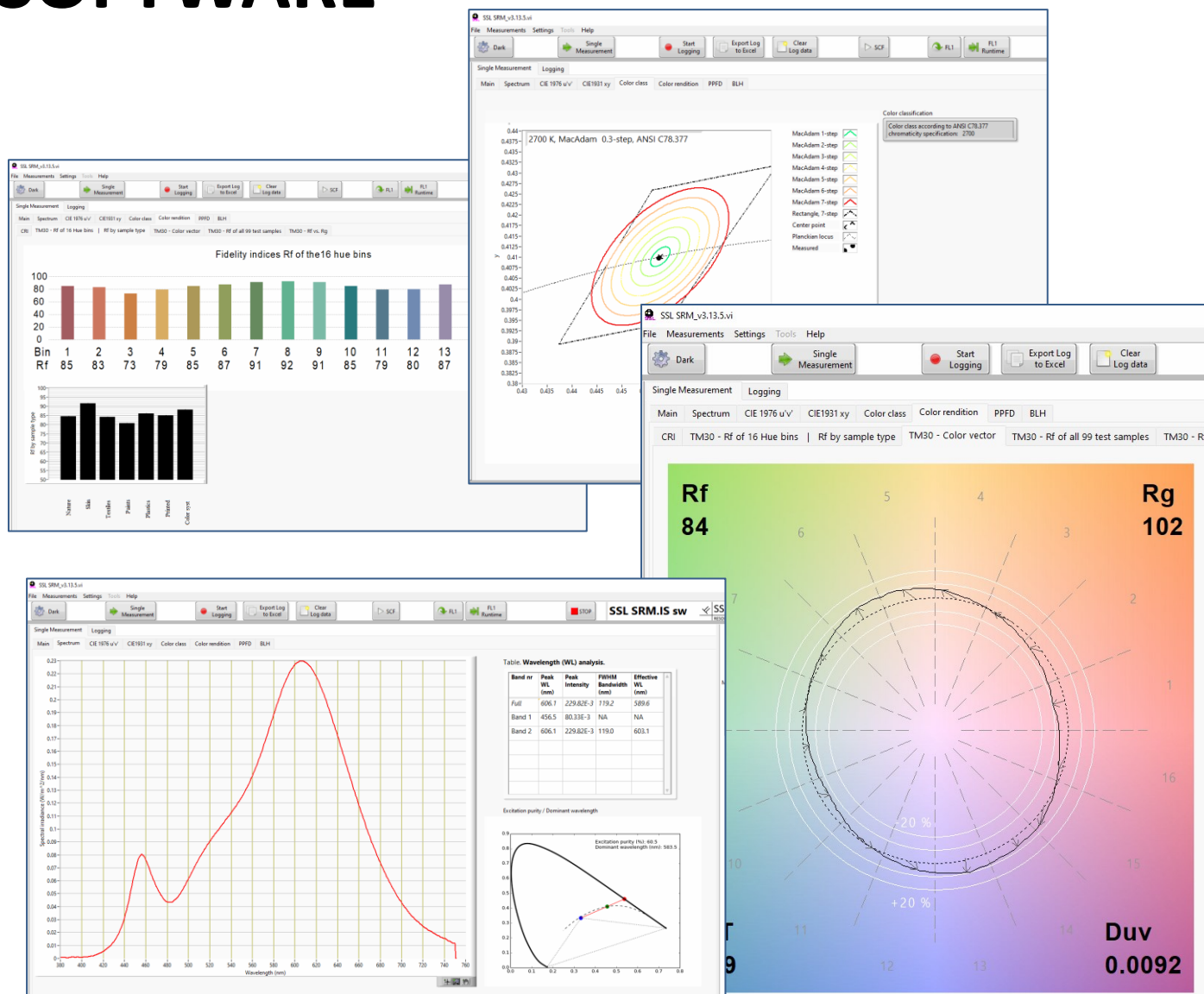


SSL Resource

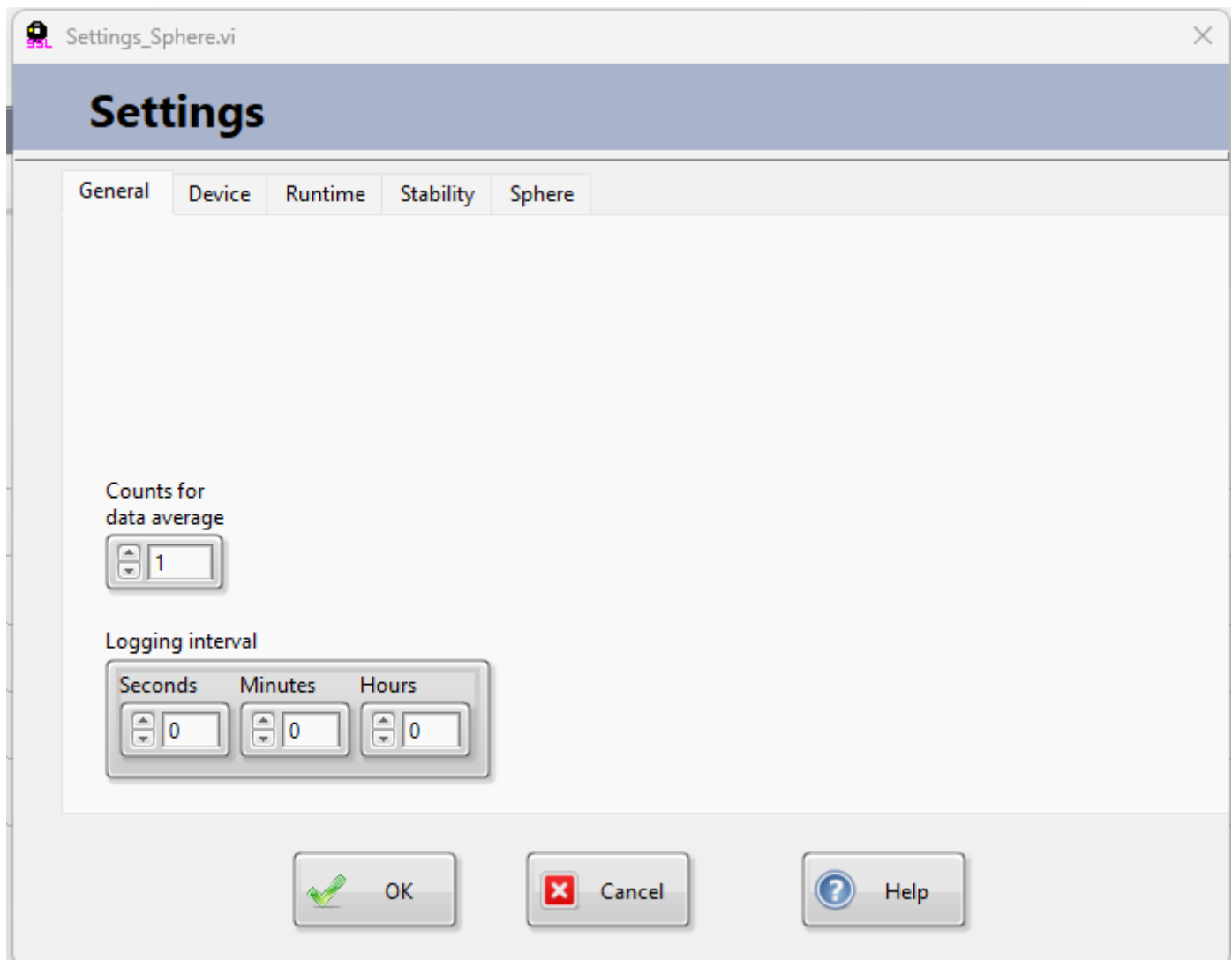
SSL SRM - SPECTRORADIOMETER SOFTWARE



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Settings – General:

- **Set data averaging, Logging interval ...**

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Settings_Sphere.vi

Settings

General Device Runtime Stability Sphere

Colormeter type
SPEKTRI S-80

COM - Colorimeter
COM9

Read Device Nr

Serial nr, sw version
COM9 found for device:
S80-060

Search COM

Autoscale ☒

Max Integration time (ms)
10000

WL min
330

WL max
780

☒ New USB measure (when HW autoscale)

☐ Measure dark

☐ Measure derivative

☒ HW autoscale (T) / SW autoscale (F)

OK Cancel Help

Settings – Device:

- Here the user can setup the device parameters

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The screenshot shows a software window titled "Settings_Sphere.vi" with a close button (X) in the top right corner. The window has a blue header bar with the word "Settings" in white. Below the header is a tabbed interface with five tabs: "General", "Device", "Runtime", "Stability", and "Sphere". The "Runtime" tab is currently selected. Inside the "Runtime" tab, there is a checkbox labeled "Send 'Runtime test is finished' by email?". Below this checkbox is a text input field labeled "outgoing mail server". Further down is another text input field labeled "email addresses", preceded by a small numeric spinner control showing the value "0". At the bottom of the window are three buttons: "OK" with a green checkmark icon, "Cancel" with a red X icon, and "Help" with a blue question mark icon.

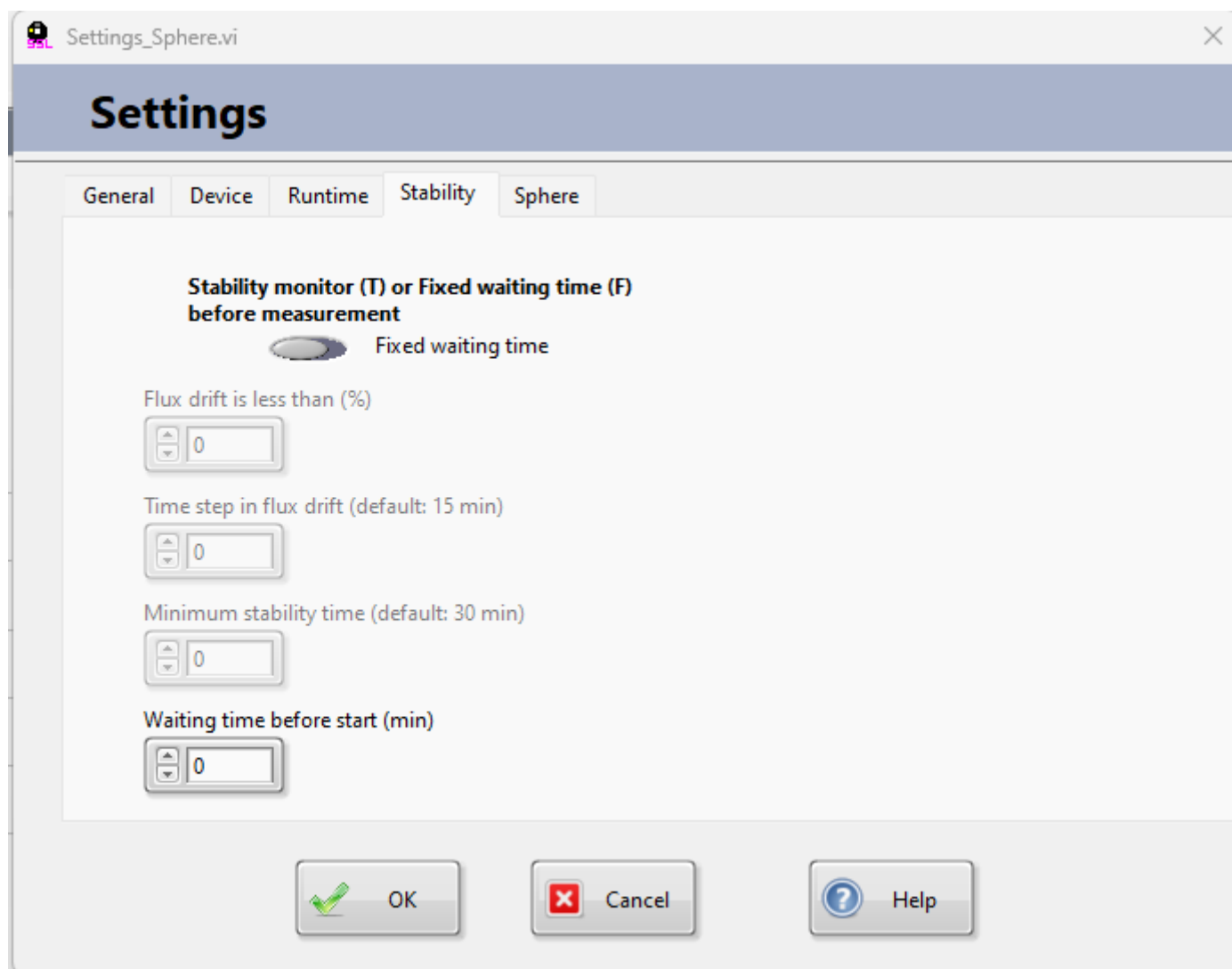
Settings – Runtime:

- A measurement can be stopped by an e-mail

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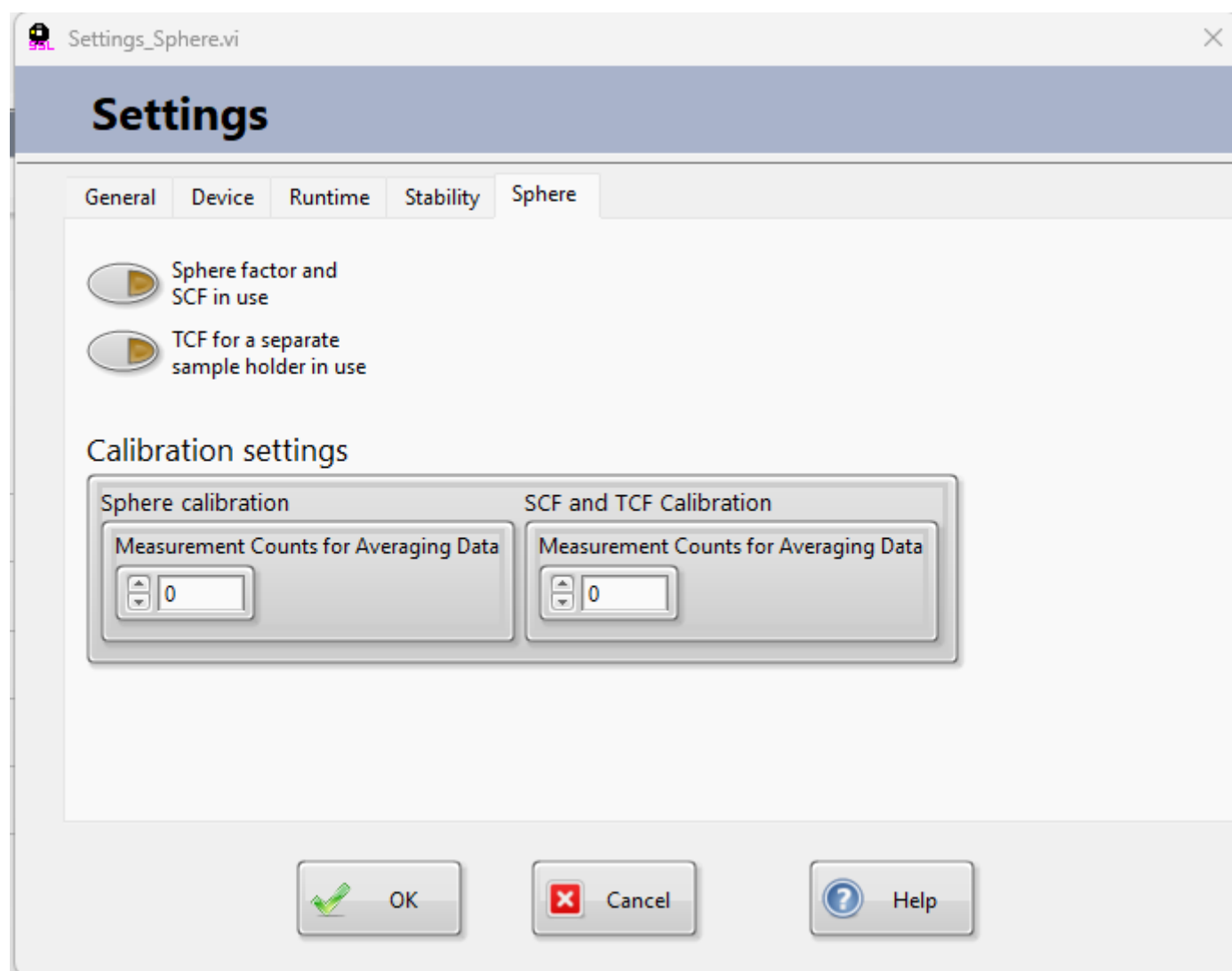
Settings – Stability:

- **Used for setting waiting time for stabilization before each measurements**

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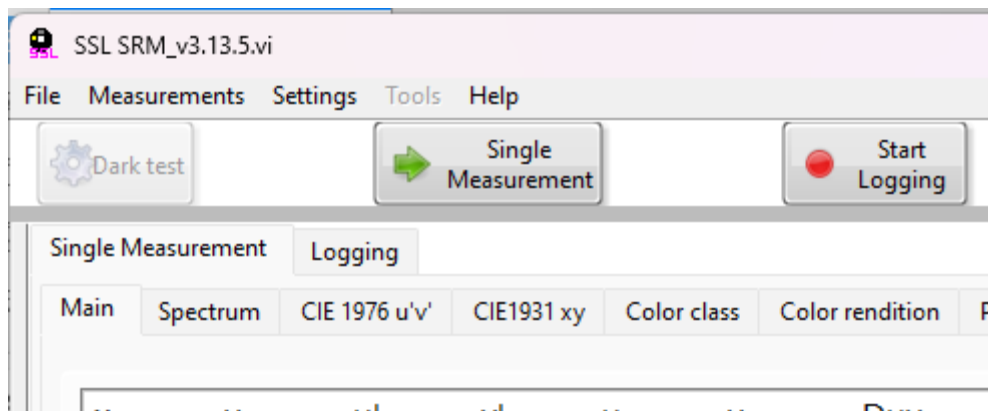
Settings – Sphere:

- **Settings for integrating sphere**

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For measurement press

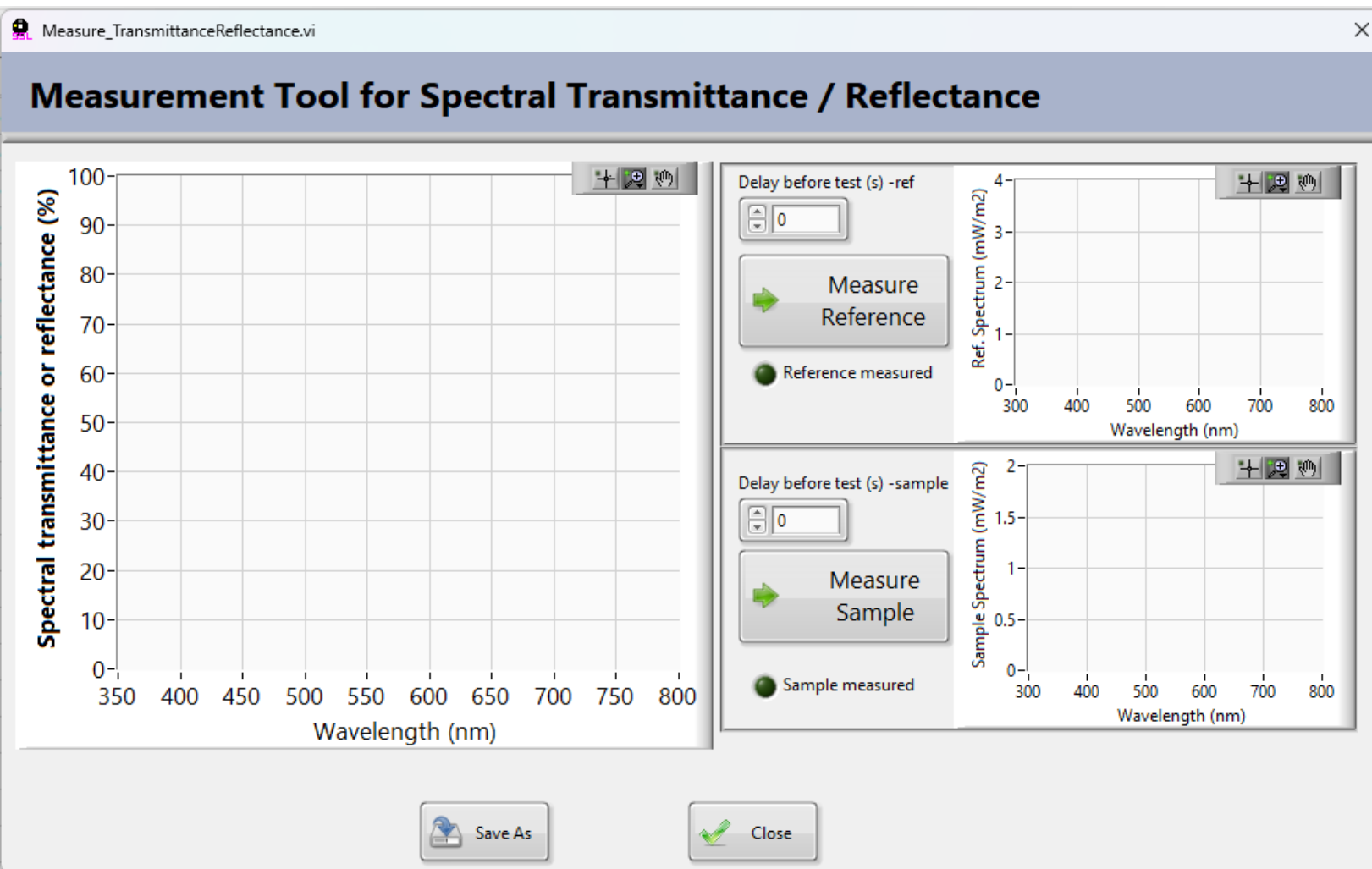
“Single measurement” or

“Start Logging”:

- **Different result screens can be viewed by selecting different TABs**

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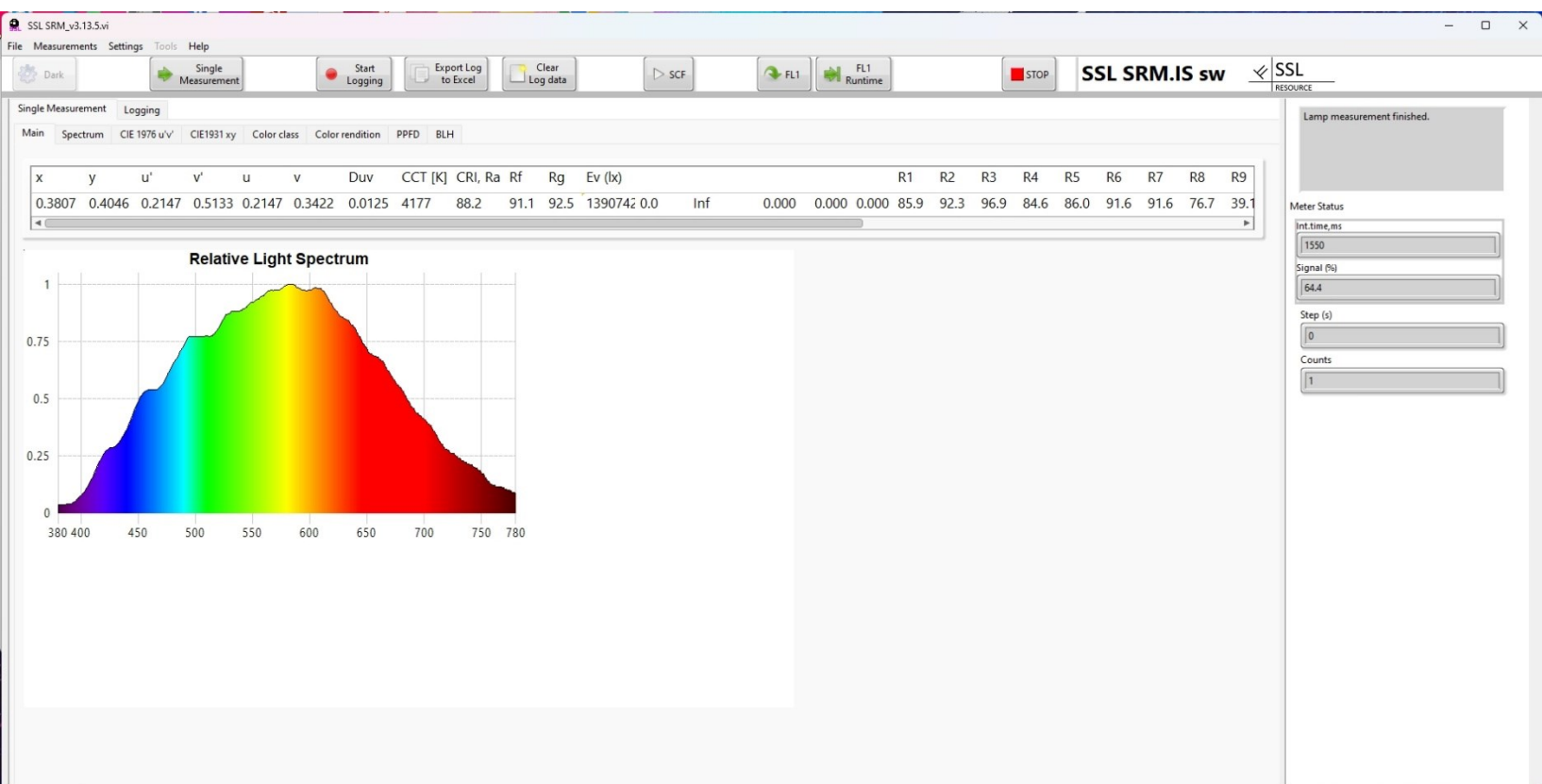


Menu: Measurement – Transmittance / Reflectance:

- This tool makes it easier to measure transmittance / reflectance

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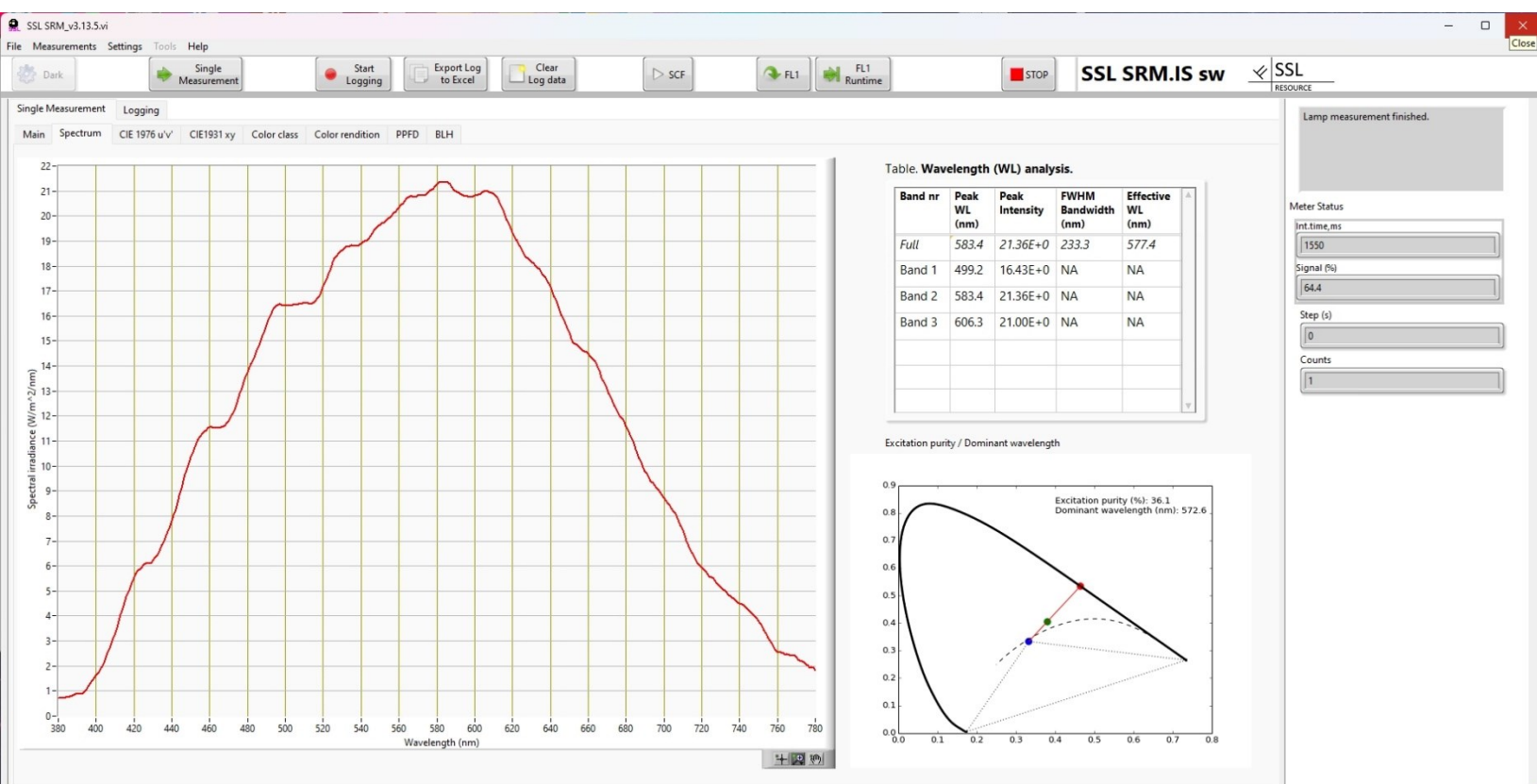


Main:

- Overview of the measured parameters

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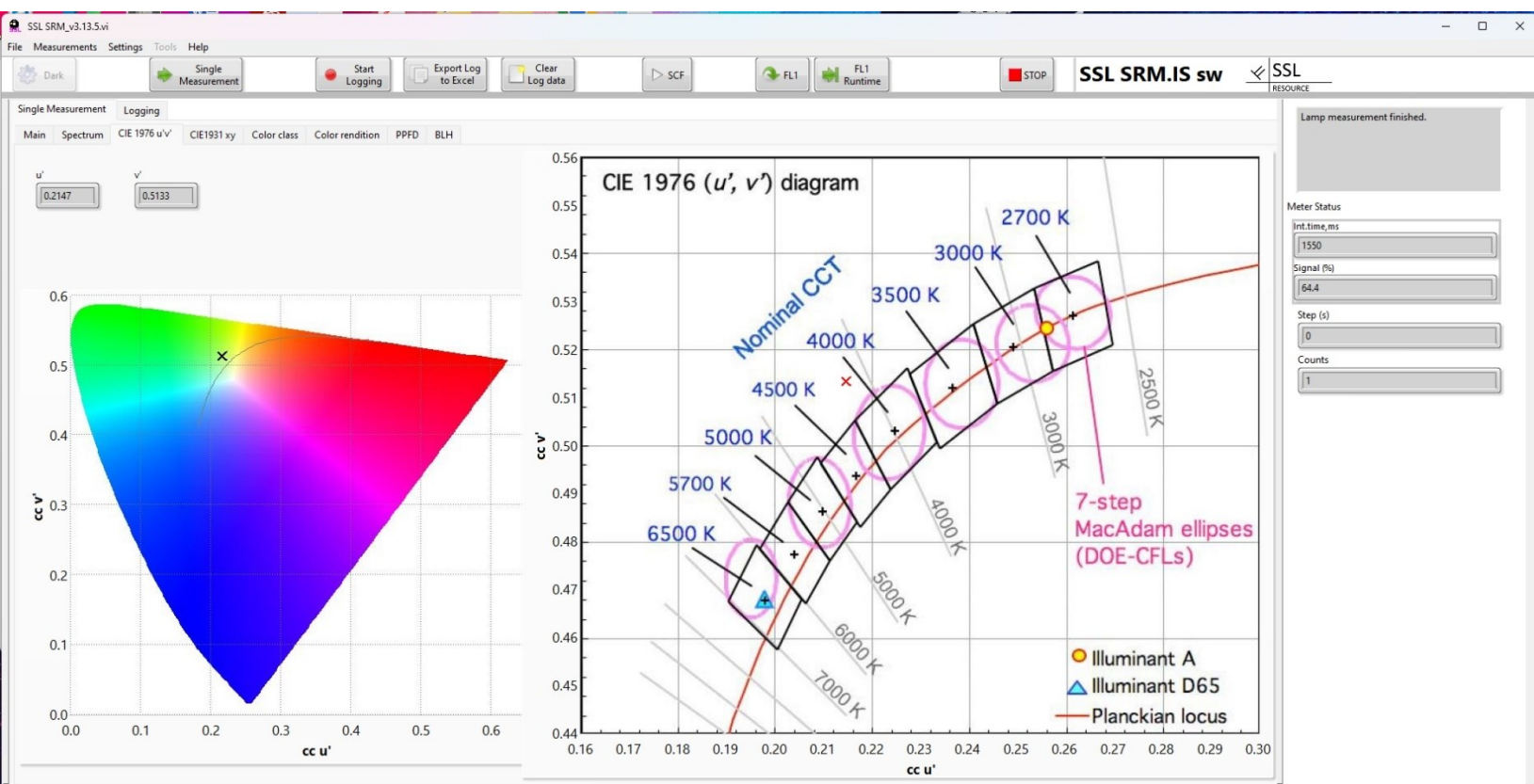
Single measurement – Spectrum:

- Displays spectrum and some wavelength analysis

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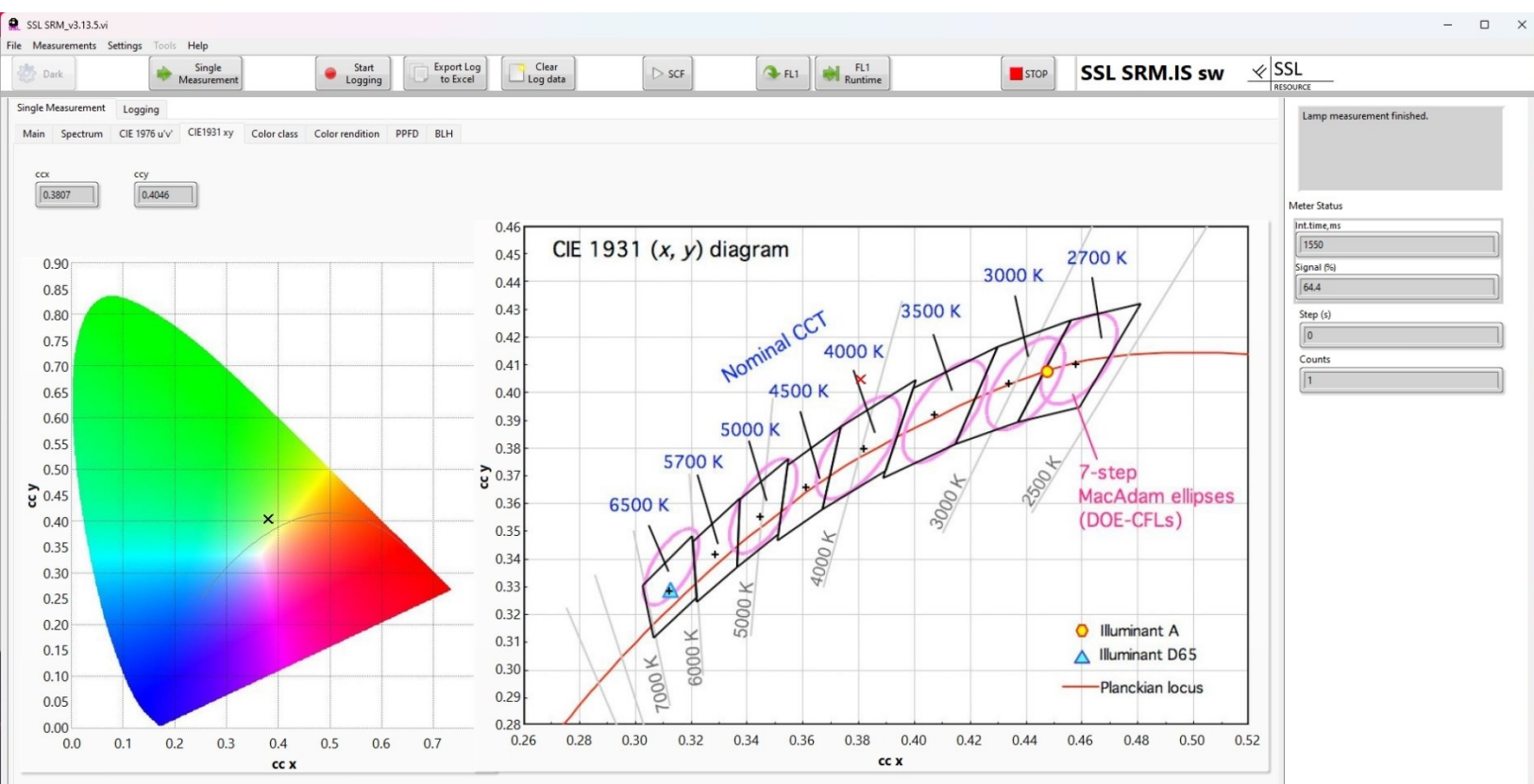


Single measurement – CIE 1976 $u'v'$:

- CIE color coordinates u' and v'

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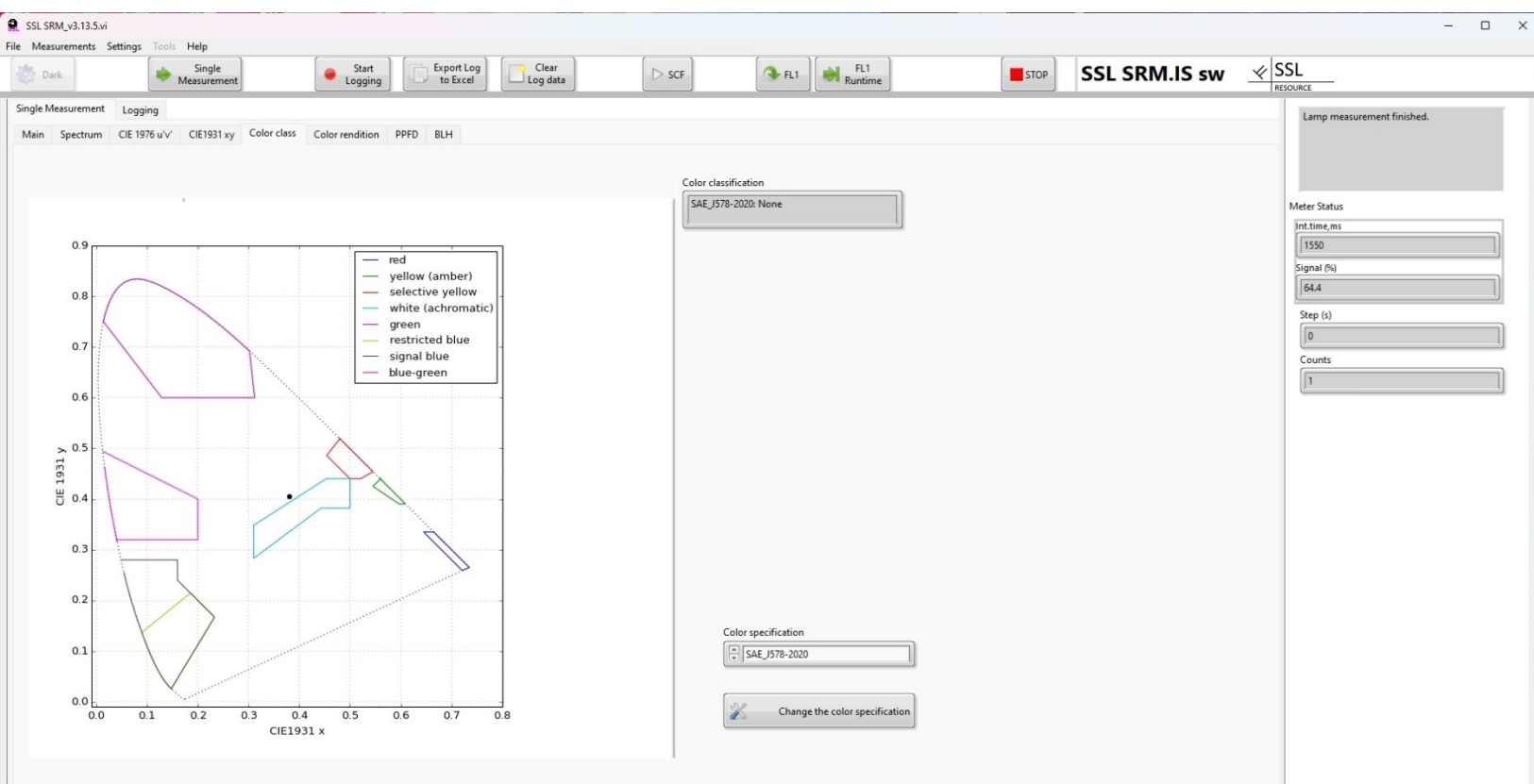
Single measurement – CIE 1931 xy:

- CIE color coordinates x and y

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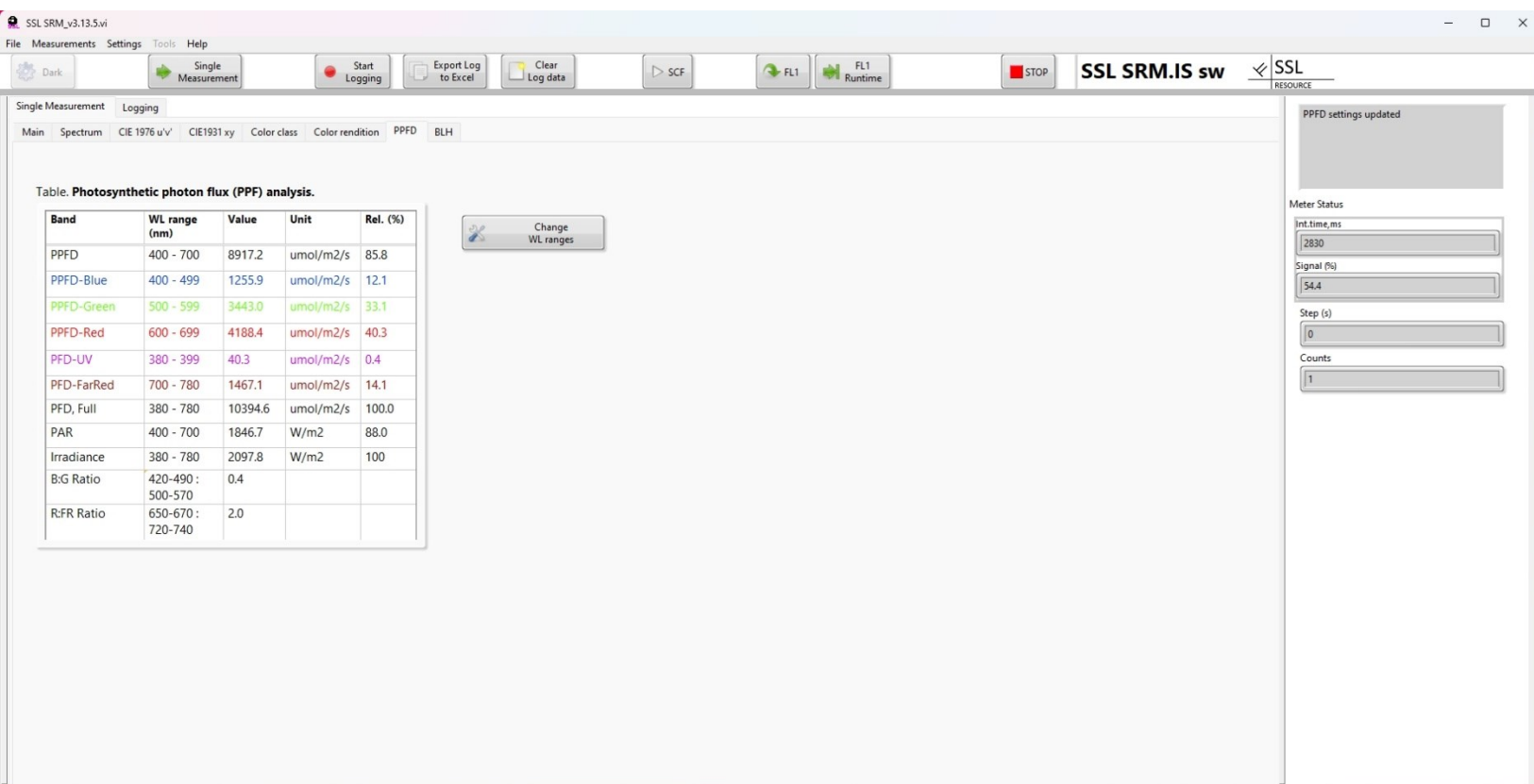


Logging - color class:

- Various color specifications preloaded

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Single measurement – PPFD:

- A tab for horticultural parameters

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The screenshot displays the SSL SRM software interface. The main window has a menu bar (File, Measurements, Settings, Tools, Help) and a toolbar with buttons for 'Single Measurement', 'Start Logging', 'Export Log to Excel', 'Clear Log data', 'SCF', 'FL1', 'FL1 Runtime', and 'STOP'. The 'Single Measurement' tab is active, and the 'BLH' sub-tab is selected. The interface contains several input fields and buttons for configuring measurements:

- Measurement distance (mm):** 200
- Aperture (mm):** 2.2
- Source diameter (mm):** 2.9
- Max Luminous Intensity:** 500
- EB:** 0.0429583
- Limit distance, Dthr (m):** 0
- Ev:** 555632
- Limit illuminance, Ethr (lx):** 0
- LB:** 452.034
- Test type:** Radiance test
- Risk class:** RG1 unlimited

On the right side, there is a 'Meter Status' panel with the following values:

- Int.time.ms: 2830
- Signal (%): 54.4
- Step (s): 0
- Counts: 1

A message box at the top right indicates 'PPFD settings updated'.

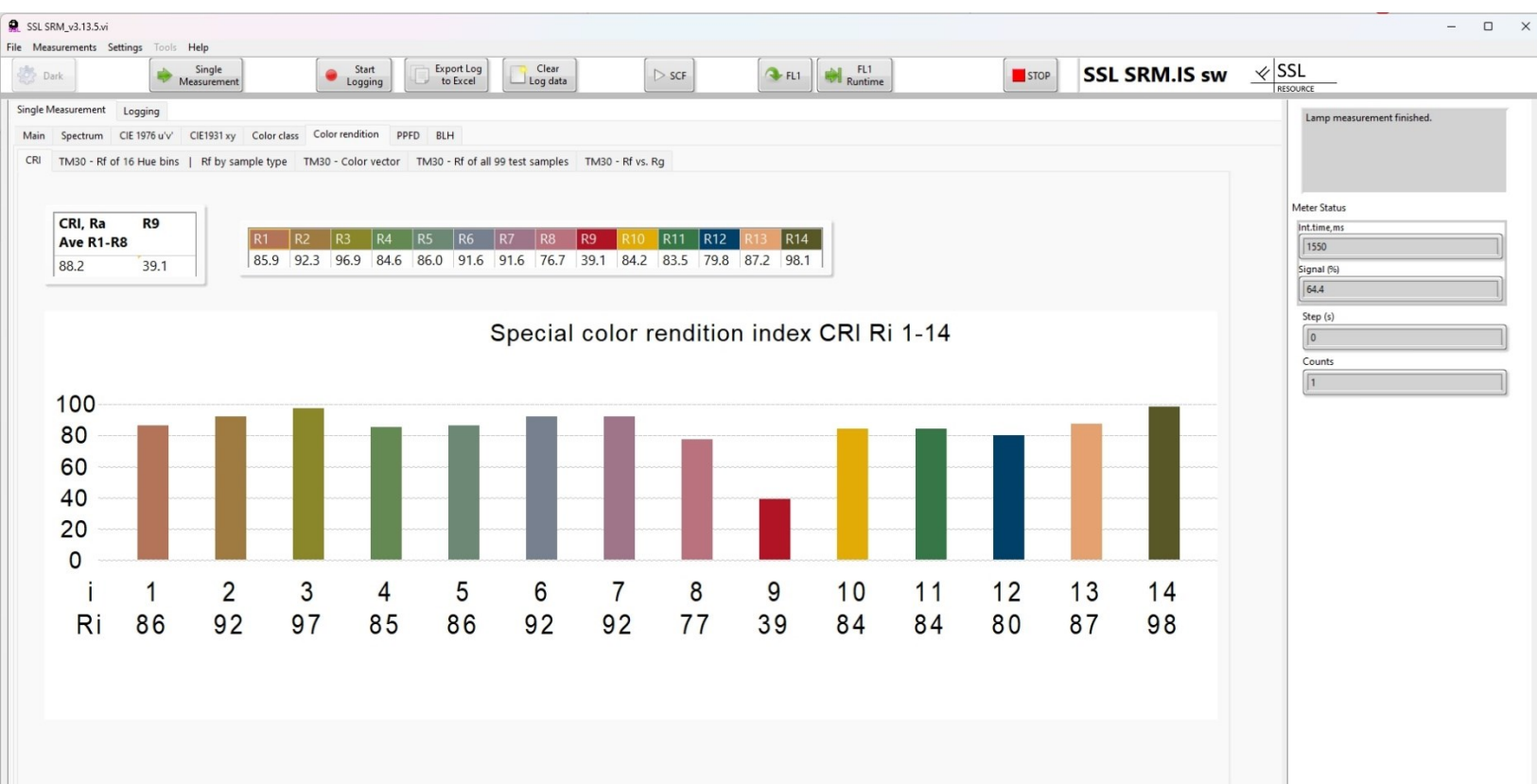
Single measurement – BLH:

- Parameters of Blue Light Hazard measurements

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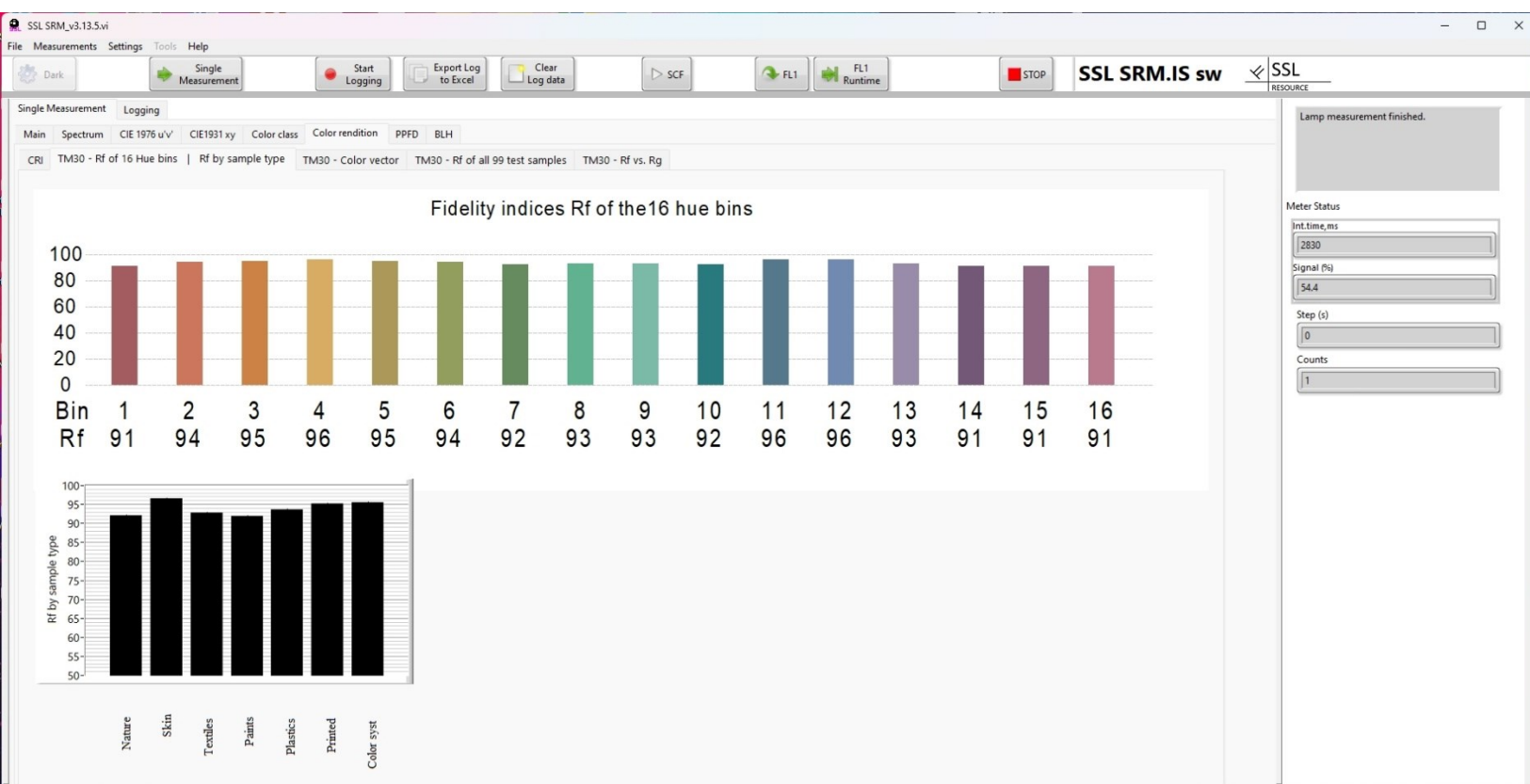


Color rendition - CRI:

- Most common color rendition indices

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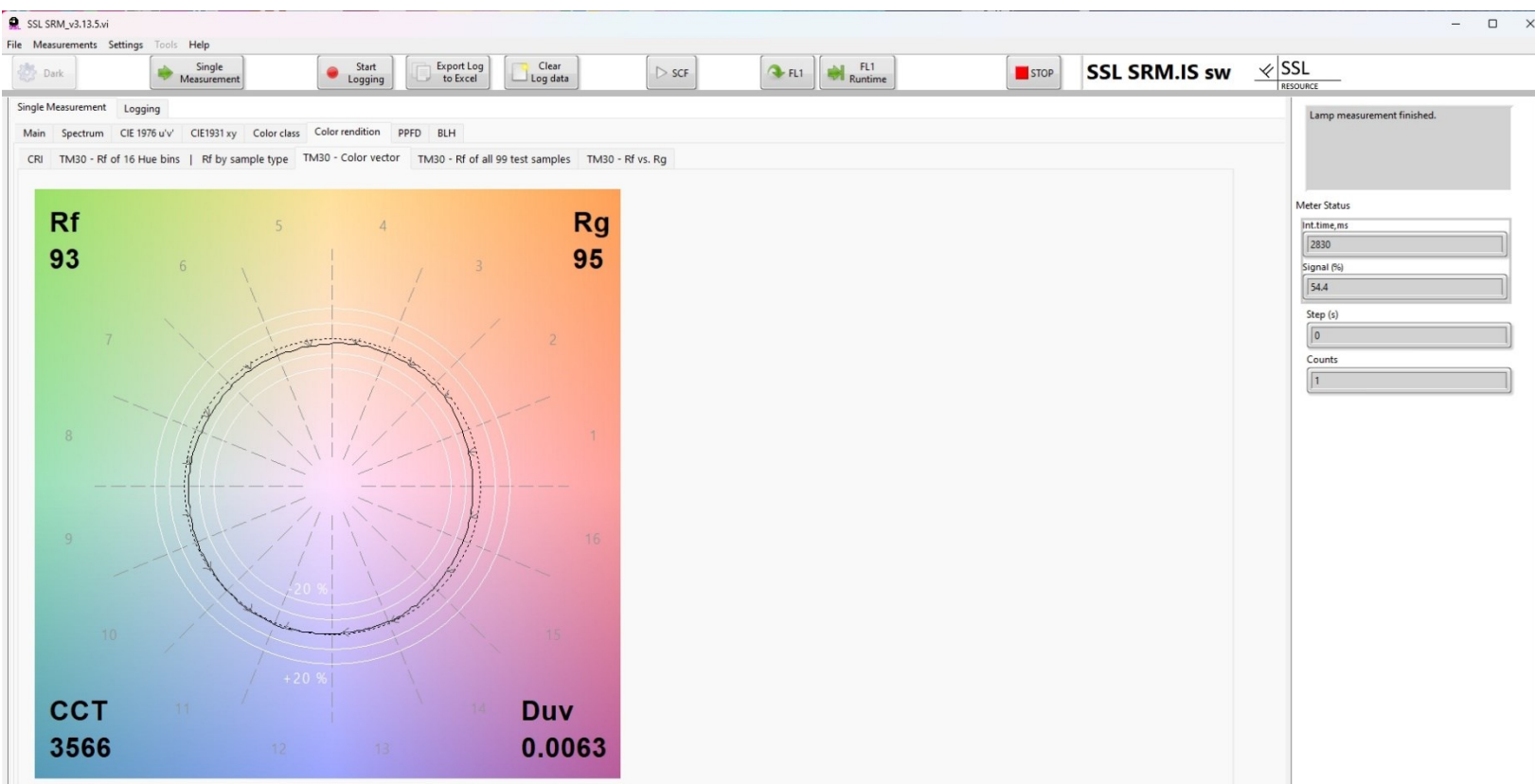


TM30 - Rf by sample type:

- Fidelity indices of 16 hue bins plotted

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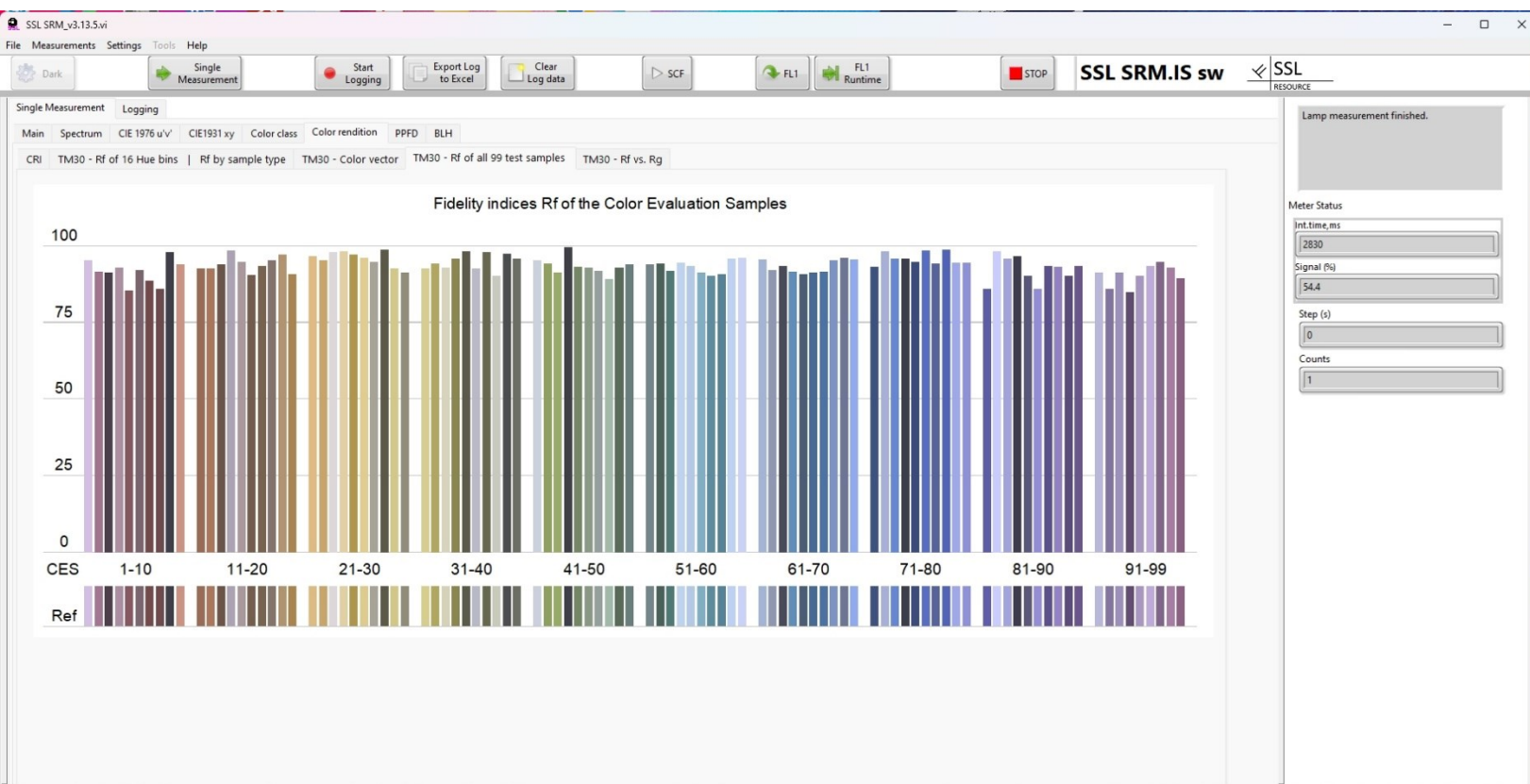
Color rendition - TM30 Color vector:

- RF, Rg, CCT and Duv figure

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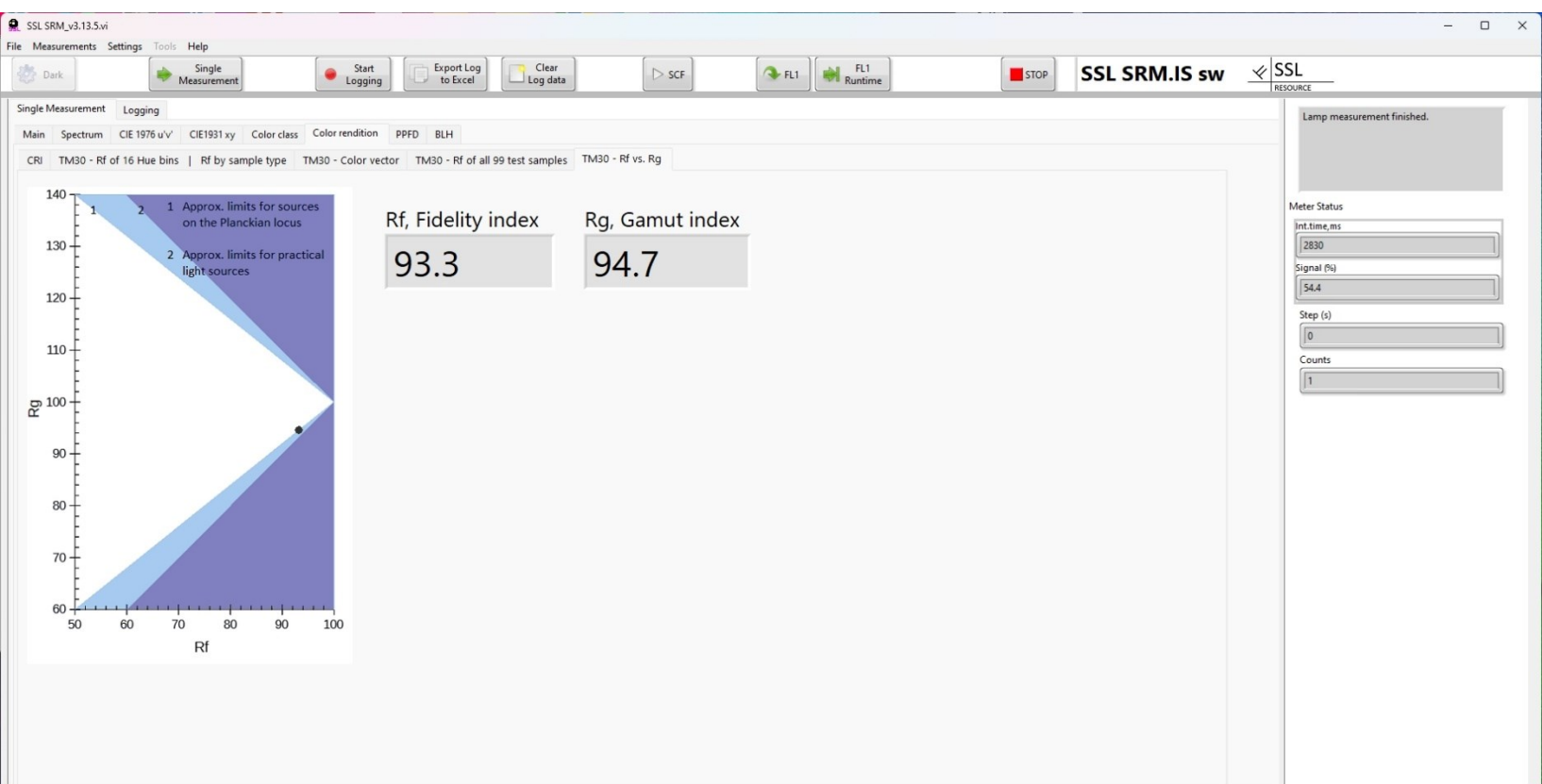
TM30 – RF of all 99 test samples:

-

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TM30 - Rf vs Rg:

- Fidelity and Gamut index

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SSL SRM_v3.13.5.vi

FileMeasurementsSettingsToolsHelp

Dark

Single Measurement

Start Logging

Export Log to Excel

Clear Log data

SCF

FL1

FL1 Runtime

STOP

SSL SRM.IS sw

SSL RESOURCE

Single MeasurementLogging

TableE or PhiCCTCRI CIE1931CIE1976Spectrum

Date	Time	x	y	u'	v'	u	v	Duv	CCT [K]	CRI, Ra	Rf	Rg	Ev (lx)	R1	R2	R3	R4	
24 Jul 2023	11.52.45	0.4037	0.4052	0.2289	0.5169	0.2289	0.3446	0.0066	3648	92.2	93.2	94.6	592754.2 0.0	Inf	0.000	0.000	0.000	90.9 95.2 98.3 90
24 Jul 2023	11.52.49	0.4038	0.4052	0.2289	0.5169	0.2289	0.3446	0.0066	3646	92.2	93.1	94.5	593137.7 0.0	Inf	0.000	0.000	0.000	90.9 95.2 98.3 90
24 Jul 2023	11.52.53	0.4033	0.4048	0.2288	0.5167	0.2288	0.3445	0.0065	3654	92.3	93.2	94.6	595751.8 0.0	Inf	0.000	0.000	0.000	91.0 95.3 98.3 90
24 Jul 2023	11.52.57	0.4033	0.4048	0.2288	0.5167	0.2288	0.3444	0.0065	3654	92.3	93.2	94.6	595253.7 0.0	Inf	0.000	0.000	0.000	91.0 95.3 98.3 90
24 Jul 2023	11.53.01	0.4032	0.4047	0.2287	0.5166	0.2287	0.3444	0.0065	3656	92.3	93.2	94.6	593664.9 0.0	Inf	0.000	0.000	0.000	91.0 95.3 98.3 90
24 Jul 2023	11.53.05	0.4030	0.4046	0.2287	0.5166	0.2287	0.3444	0.0065	3659	92.2	93.2	94.6	595134.4 0.0	Inf	0.000	0.000	0.000	90.9 95.2 98.3 90
24 Jul 2023	11.53.09	0.4042	0.4052	0.2292	0.5170	0.2292	0.3446	0.0065	3637	92.3	93.2	94.6	584546.1 0.0	Inf	0.000	0.000	0.000	91.0 95.3 98.4 90
24 Jul 2023	11.53.13	0.4045	0.4053	0.2293	0.5171	0.2293	0.3447	0.0065	3632	92.3	93.2	94.6	585565.6 0.0	Inf	0.000	0.000	0.000	91.0 95.3 98.3 90

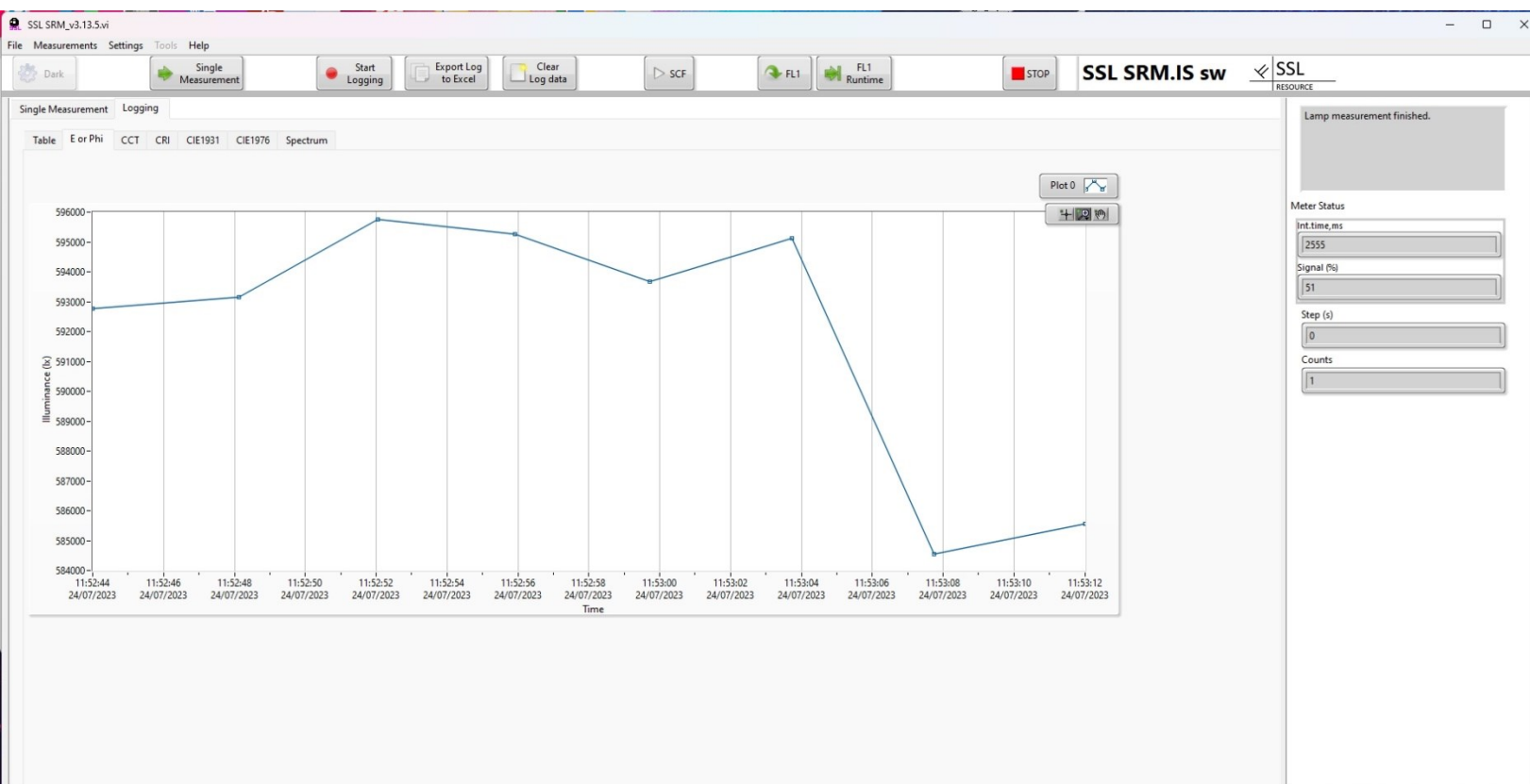
Logging – Table:

- **Logging mode repeats a measurement several times**

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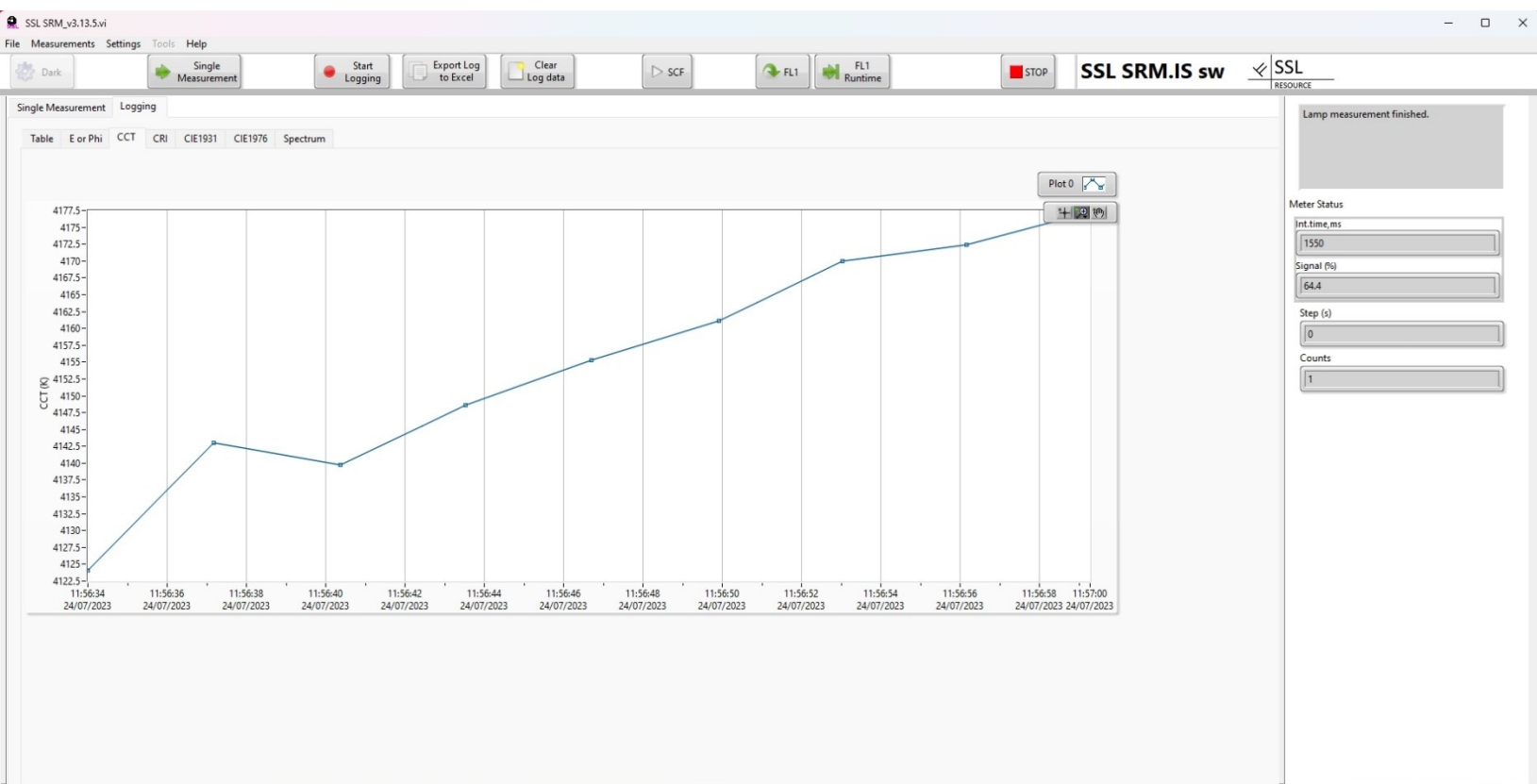
Logging – E or Phi / :

- Illuminance of each measurement plotted

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Logging – CCT :

- CCT of each measurement plotted

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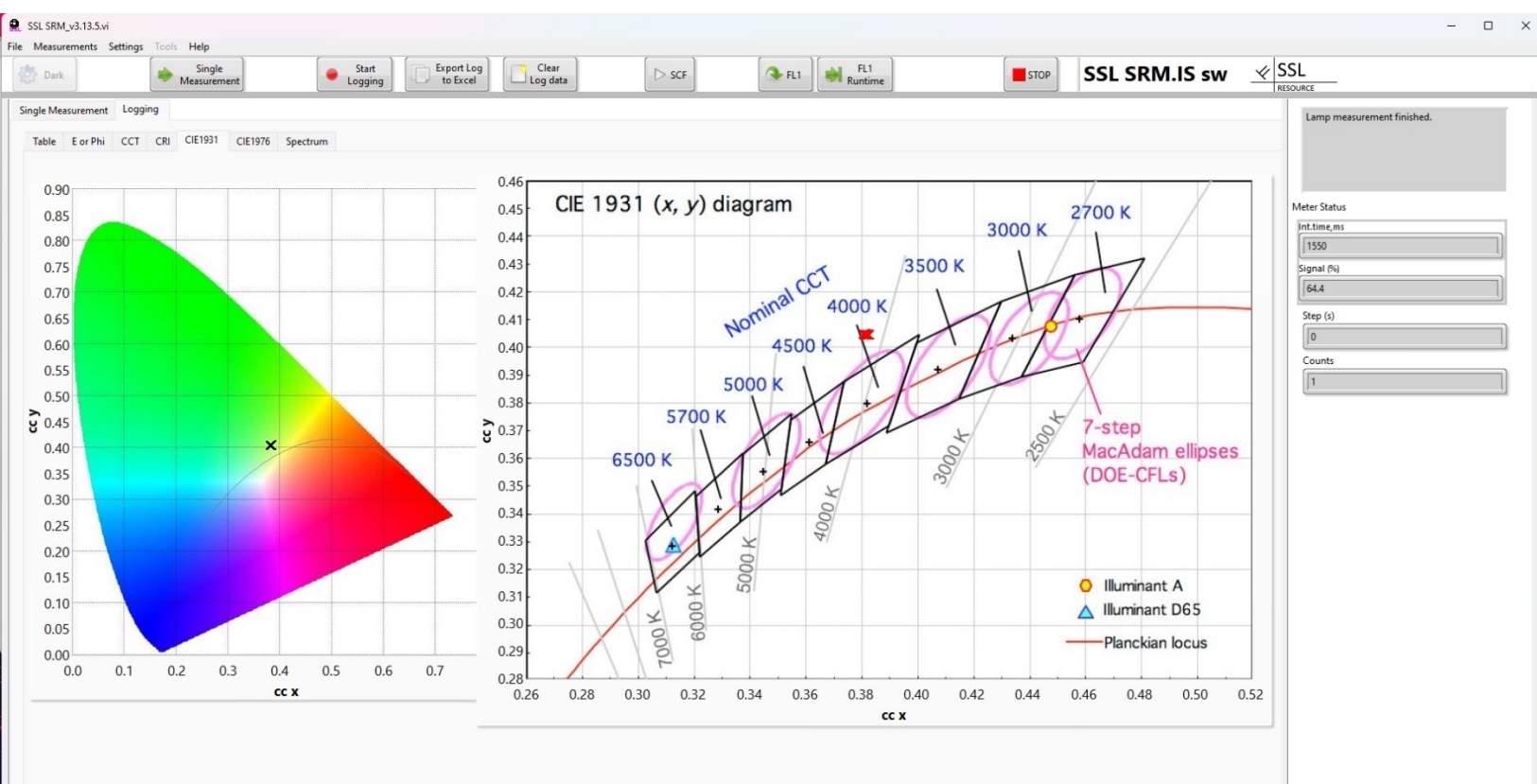
Logging – CRI :

- CRI of each measurement plotted

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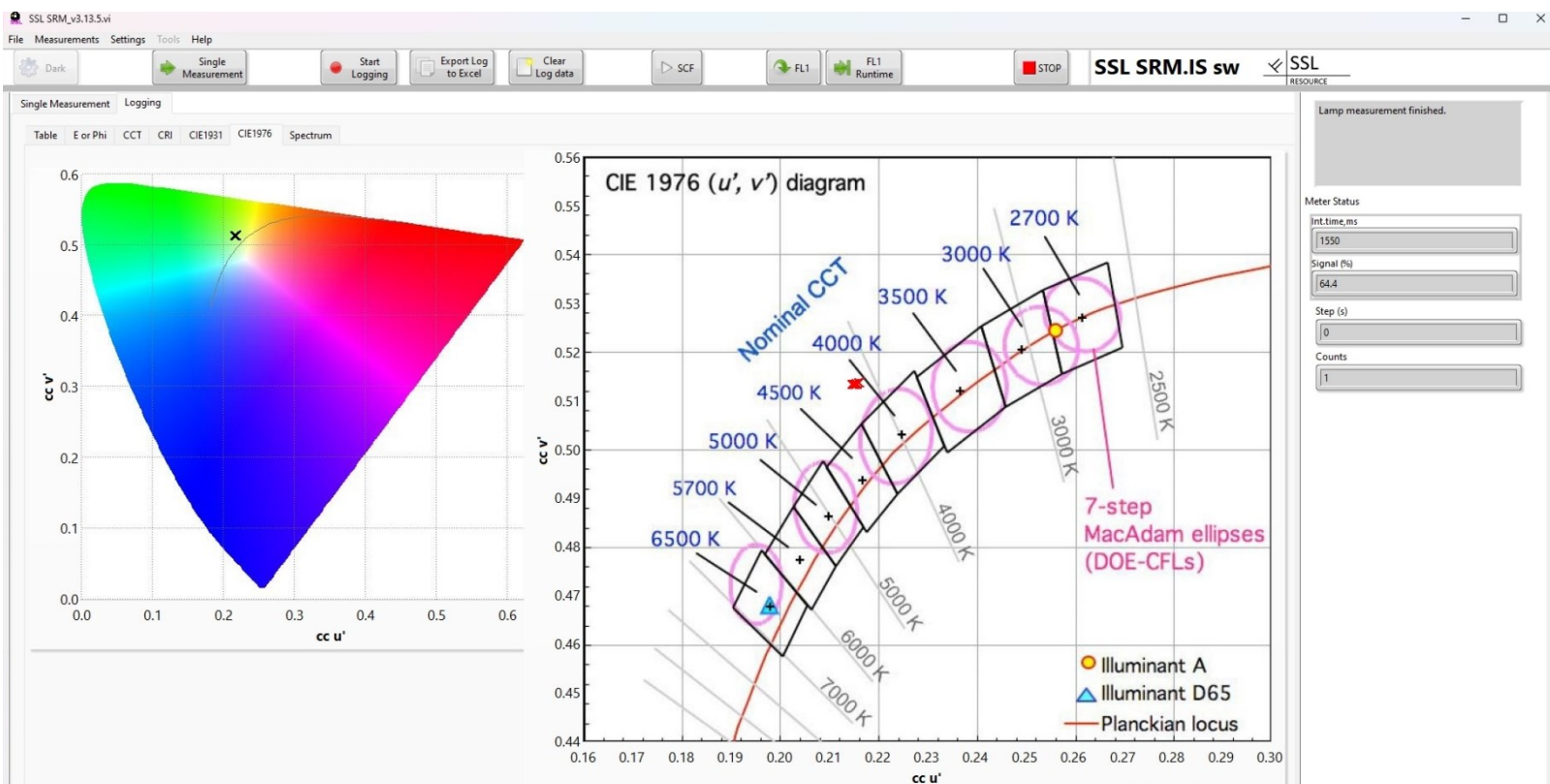


Logging – CIE 1931:

- CIE color coordinates x and y

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Logging – CIE 197:

- CIE color coordinates u' and v'

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Logging – Spectrum:

- The logged spectra displayed

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SSL SRM

Report IHS.vi

Print/Save the Spectro Test Report

Comments

Demomstration Lamp276

Test report nr:

25674

Data folder

C:\Users\ari\Dropbox\03_Sales\03_Markkinointi\14_Tuotteet\SSL SRM

Lamp code (filename)

P123456

Lamp name

DemoLamp

☐ Append image

☒ 1. Summary page

☒ Test conditions

☒ Summary table

☒ Spectrum graph

☒ Luminous log

☒ CRI details

☒ Color Spec

☒ CCT log

☒ TM30 details

☒ PPF table

☒ CRI log

☒ CIE1976 full

☒ Peak WL table

☒ CIE 1976 full log

☒ CIE1976 white

☒ CIE 1976 white log

☒ CIE1931 full

☒ CIE 1931 full log

☒ CIE1931 white

☒ CIE 1931 white log

report type

Word

Print the report

Cancel

Print/Save parameters:

- For selecting what is included in the report

SSL Resource Instruments for light measurement



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