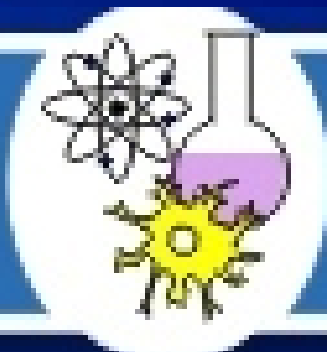




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**Hands-on Science - Romania**  
Instruire prin experiment

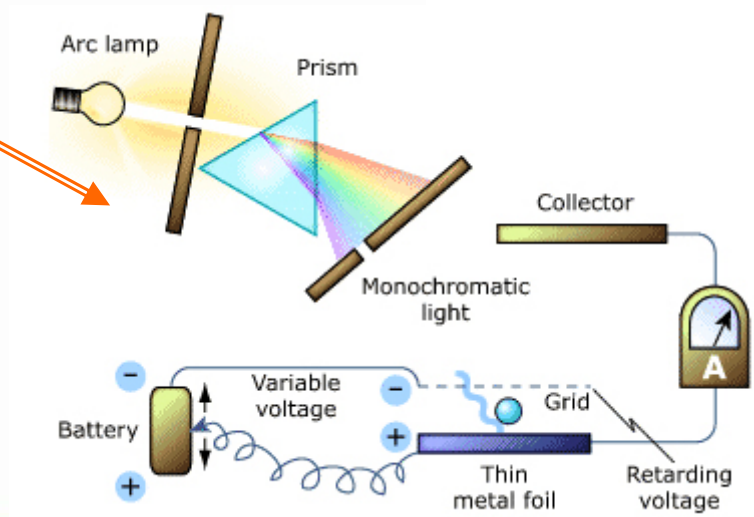
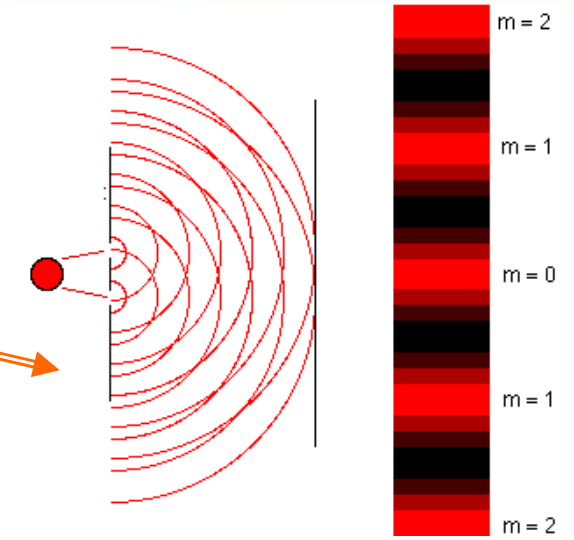
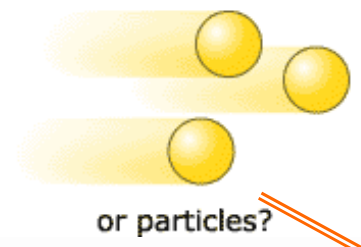
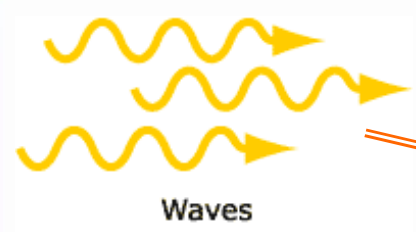
# Lumina între real și virtual



**Mihaela Garabet, Ion Neacșu,  
Liceul Teoretic "Grigore Moisil", București**

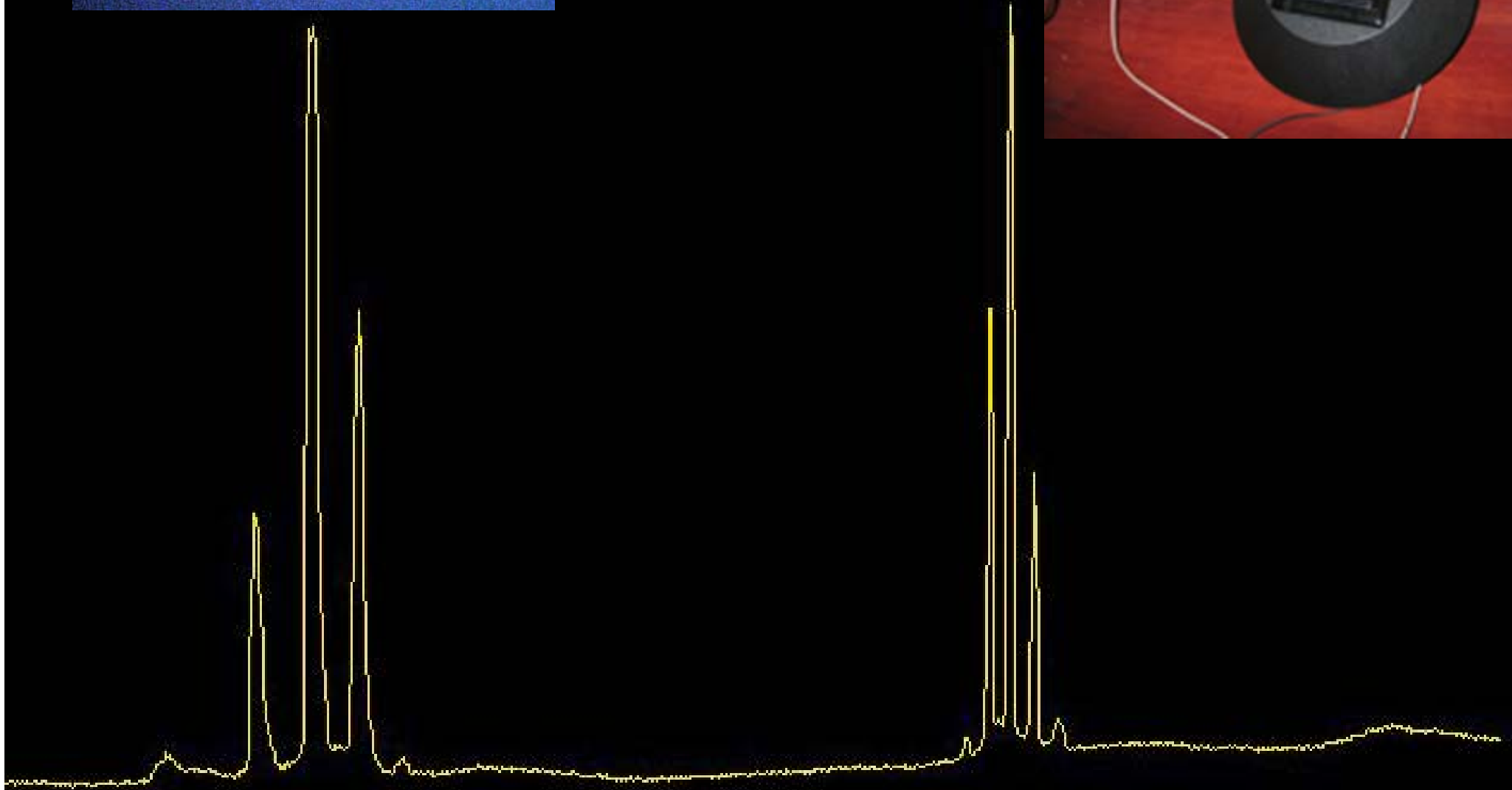


- Ce este lumina ?  
- Radiația electromagnetică



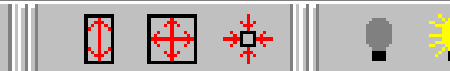
Electrons are emitted from a metal foil when it is bombarded with photons above a certain frequency.

# Difracția luminii roșii pe rețea. Distribuția intensității luminoase pe ecran, obținută cu celulă solară



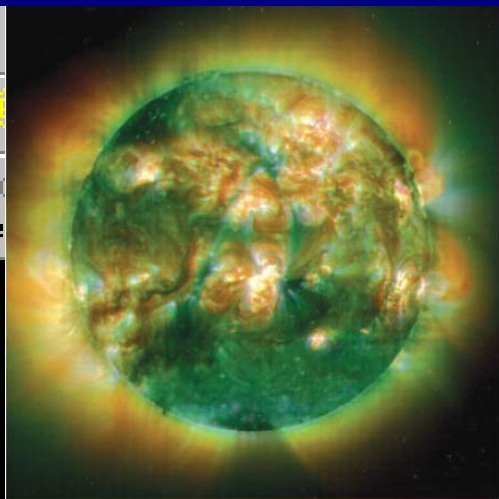
File Edit View Overlay

File Acquisition Script Window Help



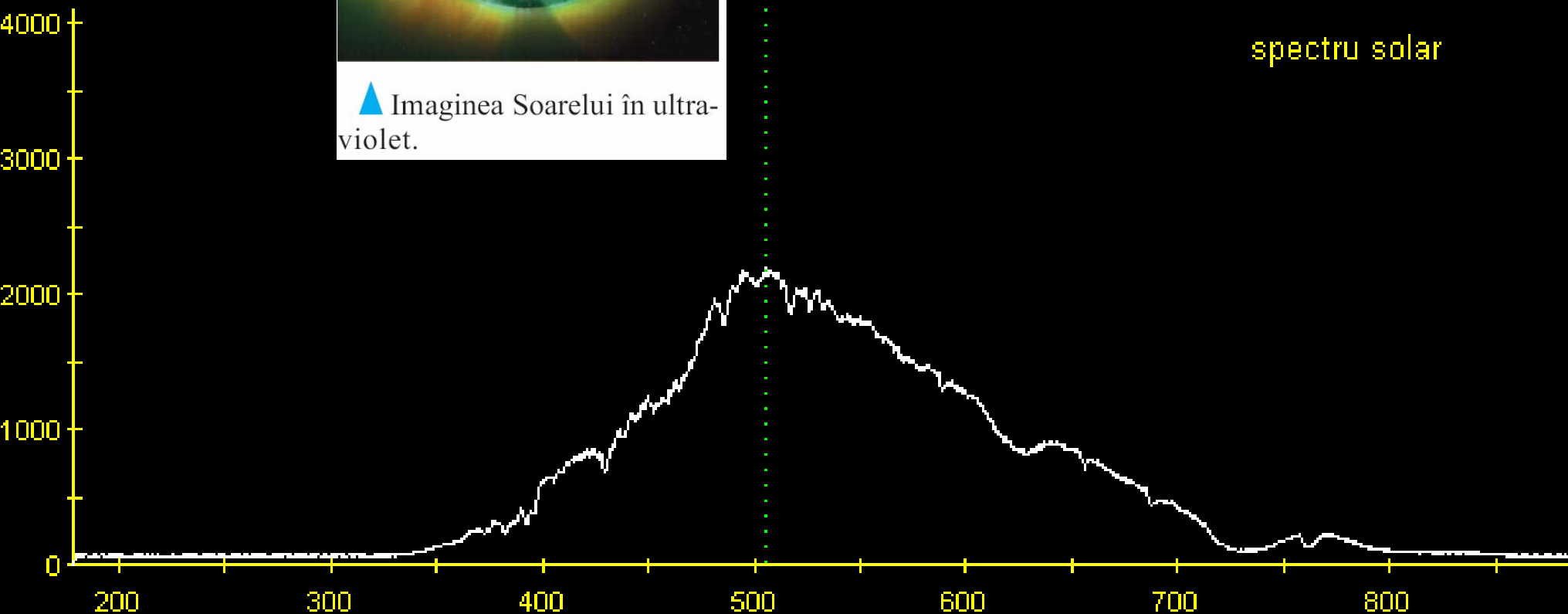
Integ. Time 25 [ ] [ ] user mse

0 Strobe Freq. (msec) 100 [ ] [ ] Strobe/Lamp Enable Correct for Elect. Dis



▲ Imaginea Soarelui în ultraviolet.

Intensity (counts)



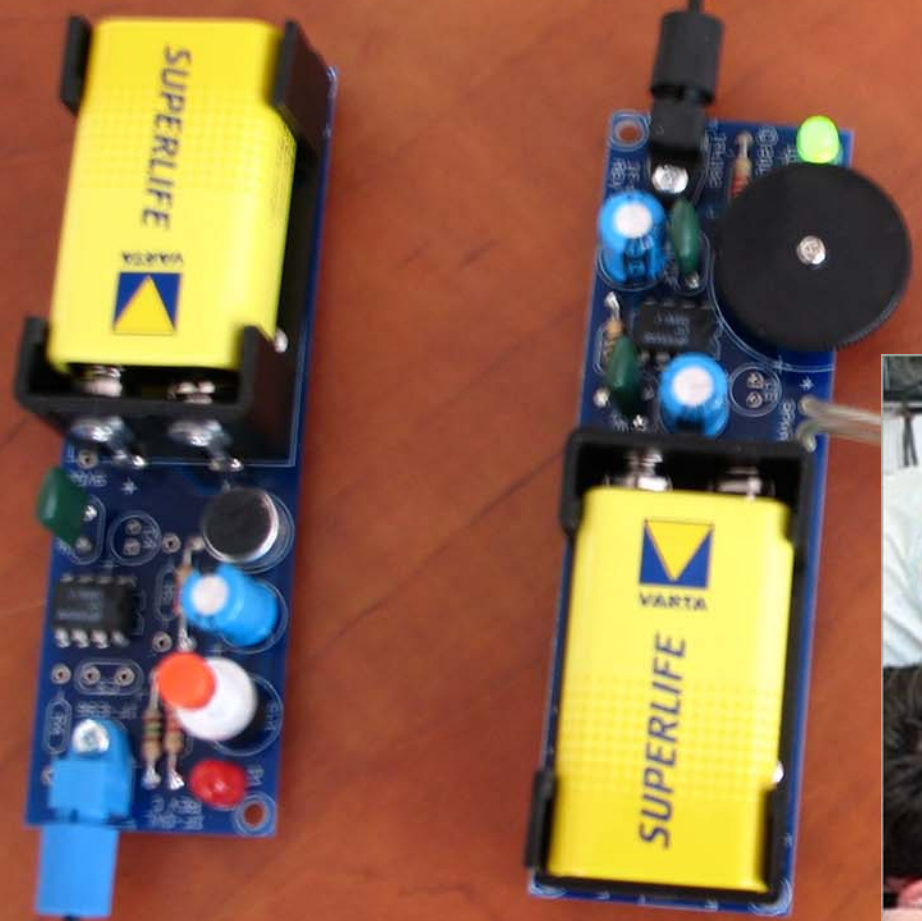
Wavelength (nm)

M: 505.27 nm-M: 882, 2167.00

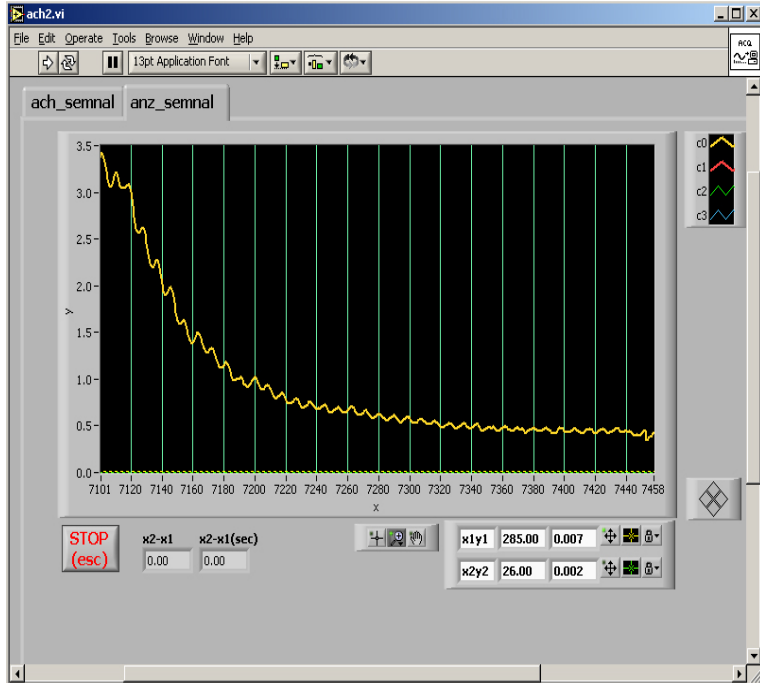


001 OOIBase32 - [Spectr...

10:46 PM



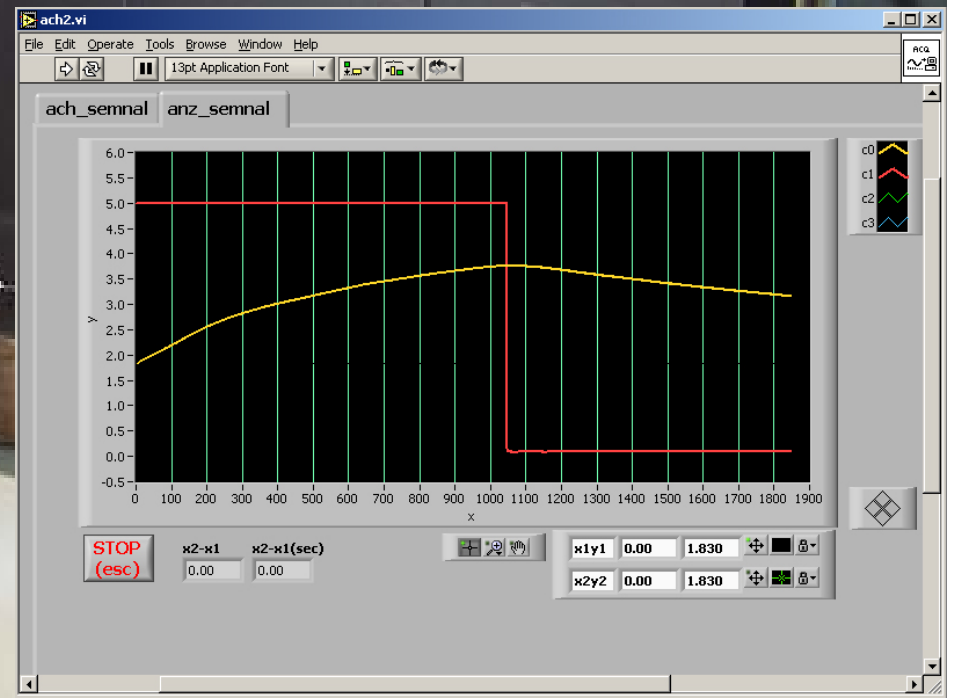
Transmisia vocii prin fibra optică



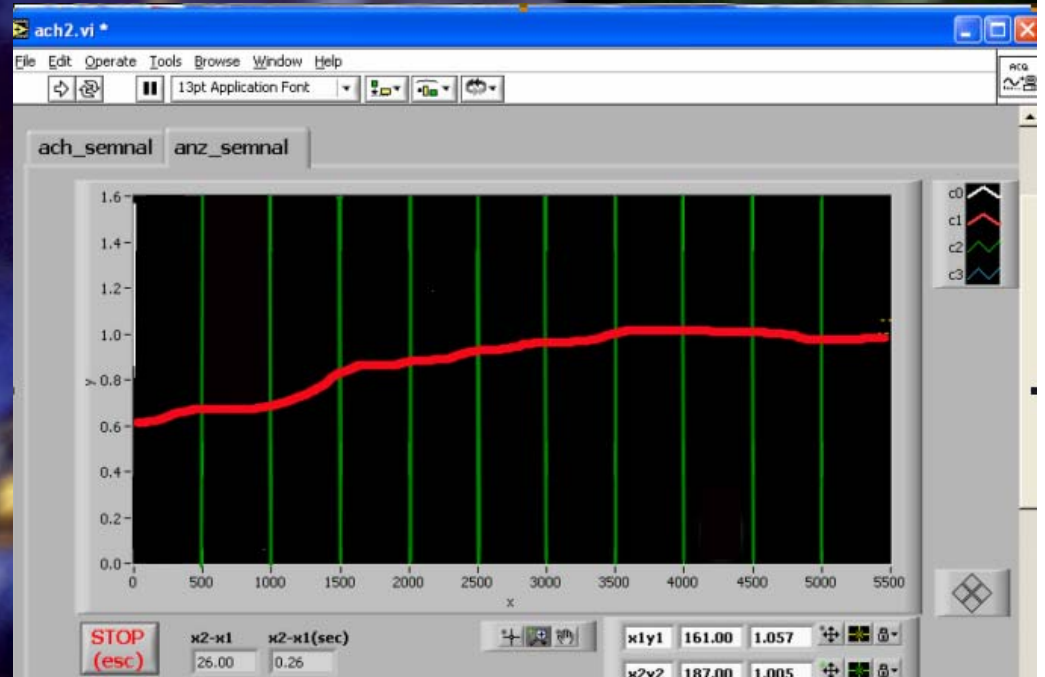
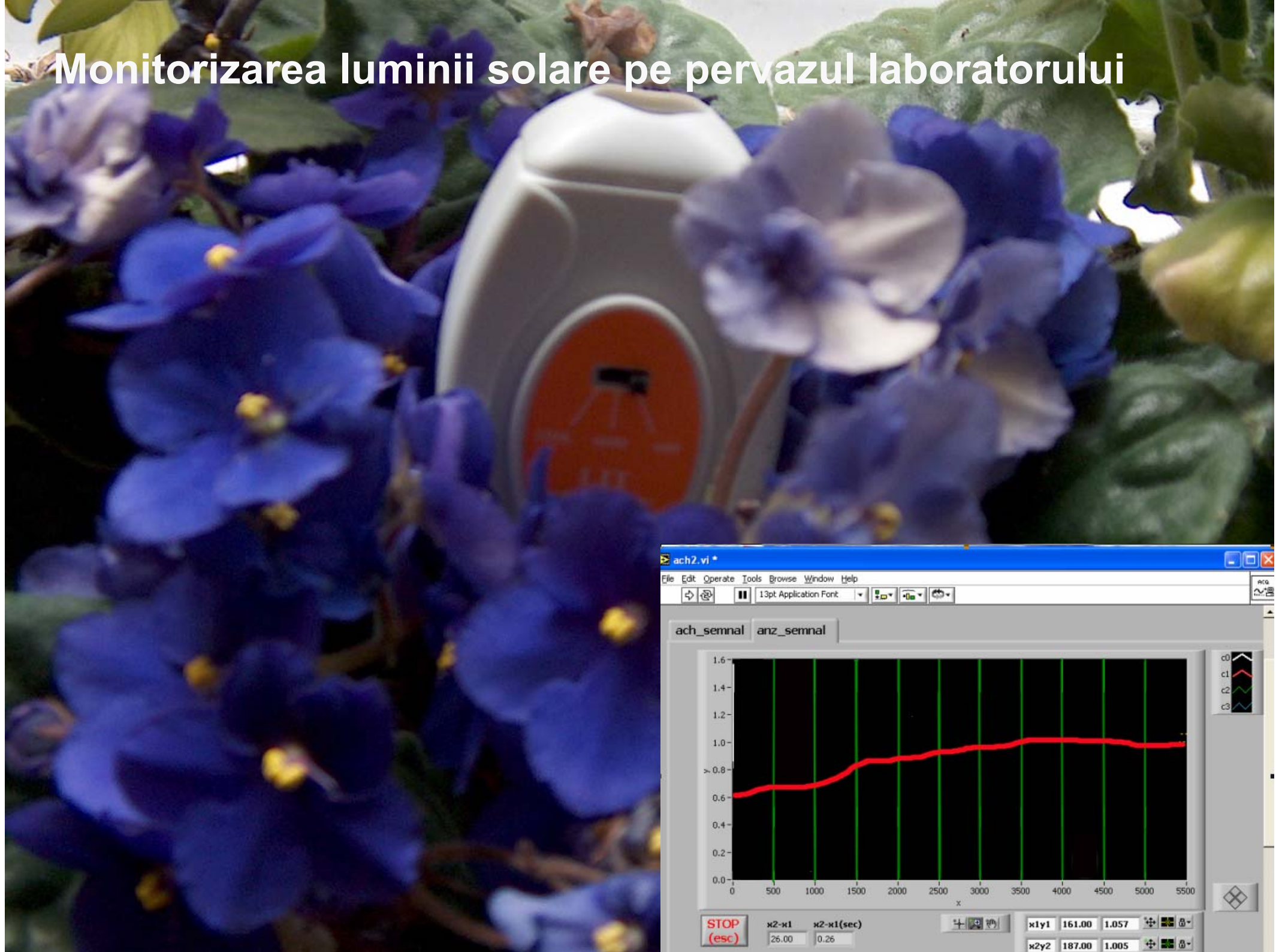
# Variația intensității luminoase cu distanța față de sursă

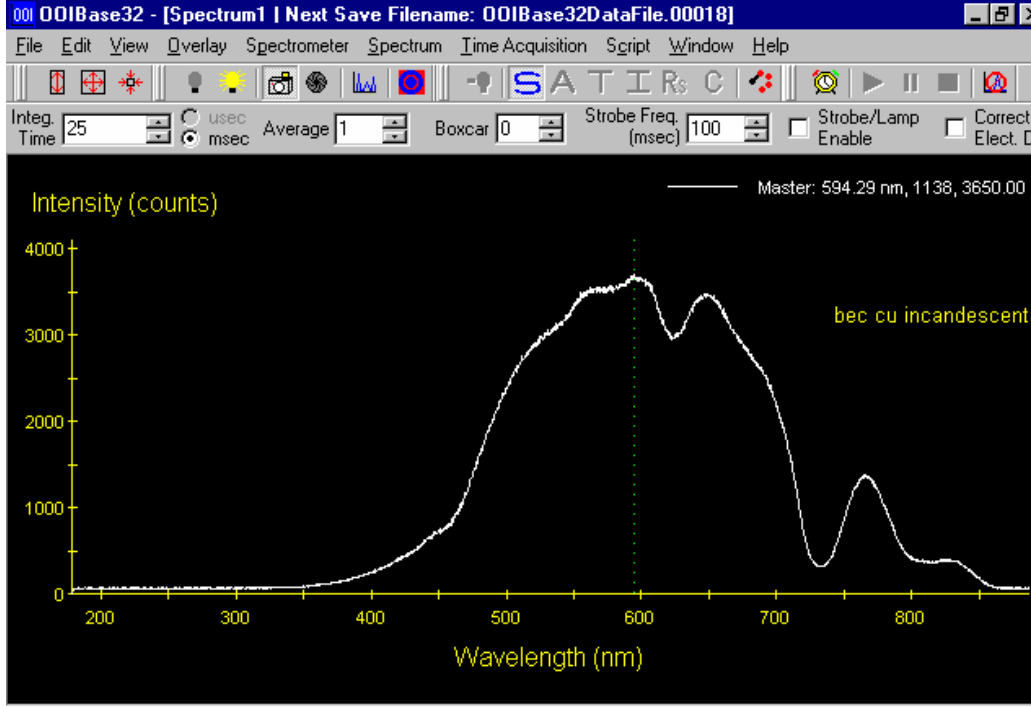


# Modelarea ritmului zi-noapte cu senzori de lumină (roșu) și de temperatură (galben)

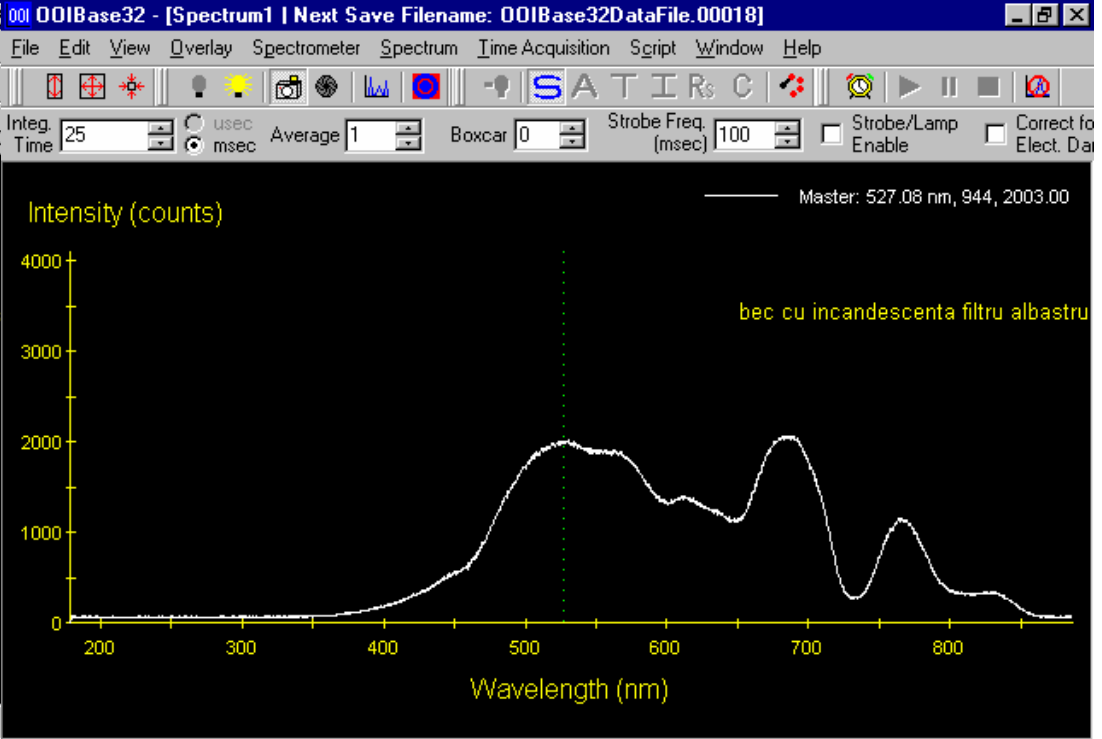


# Monitorizarea luminii solare pe pervazul laboratorului

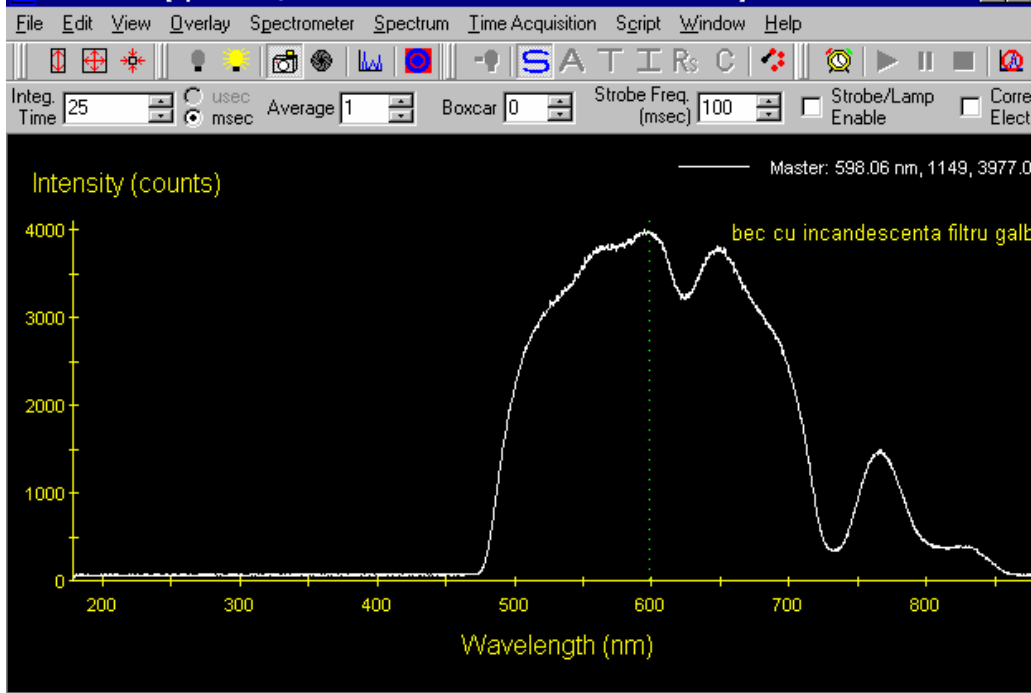




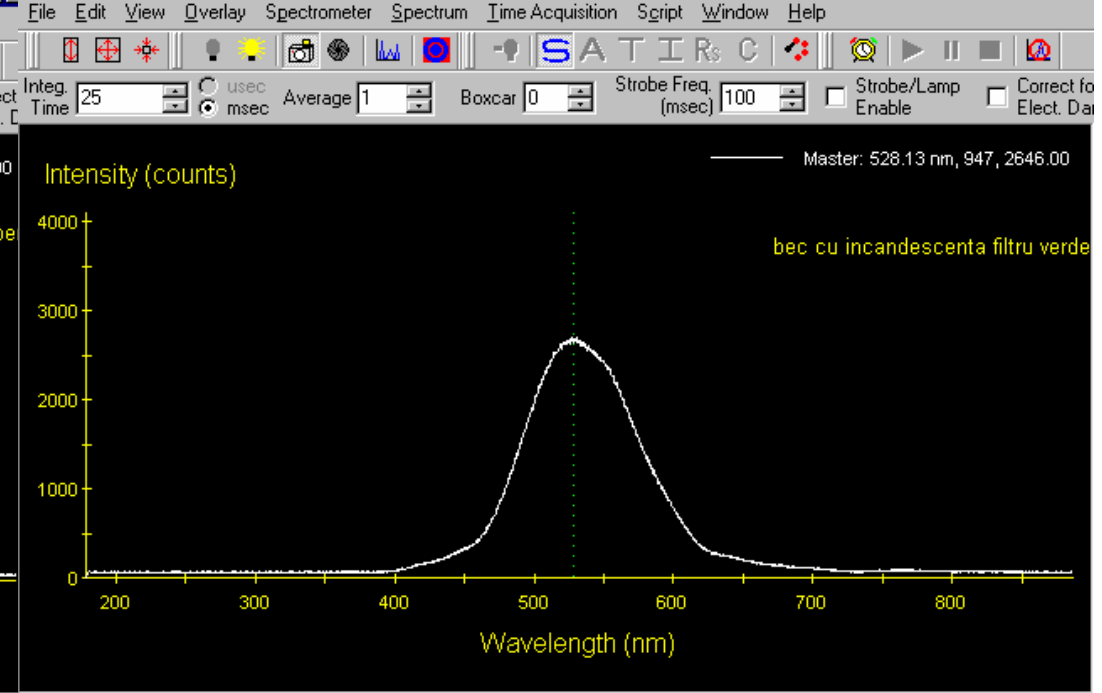
M: 594.29 nm-M: 1138, 3650.00



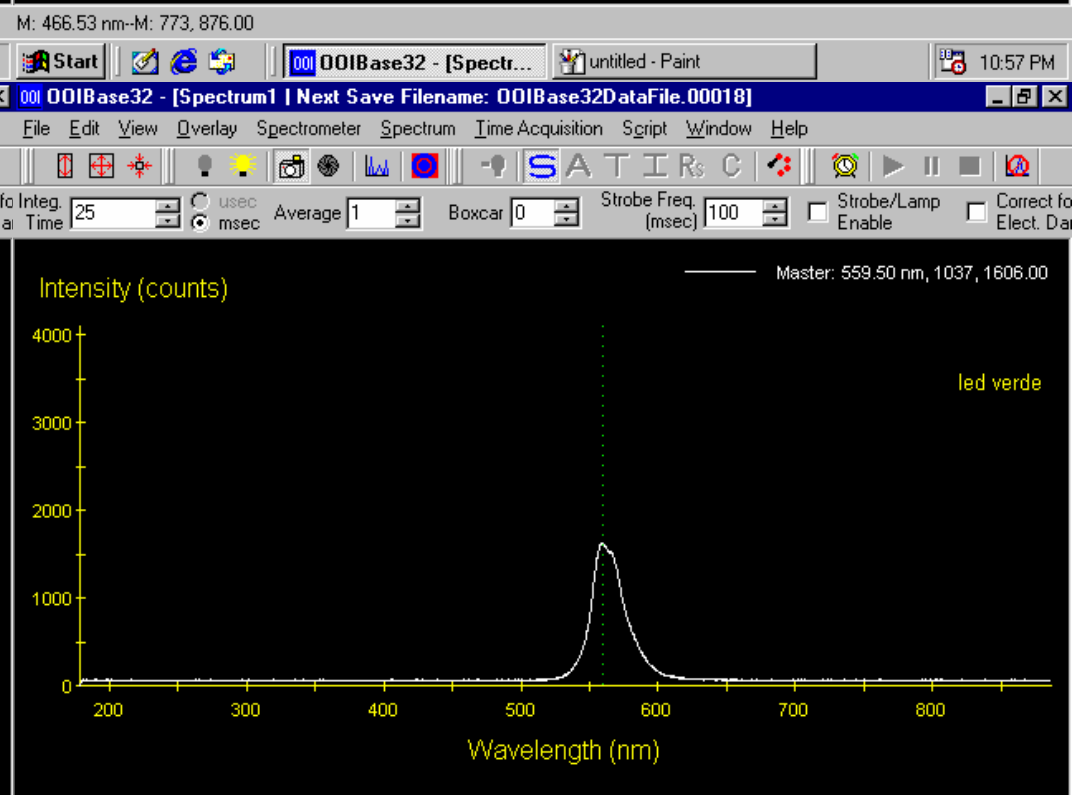
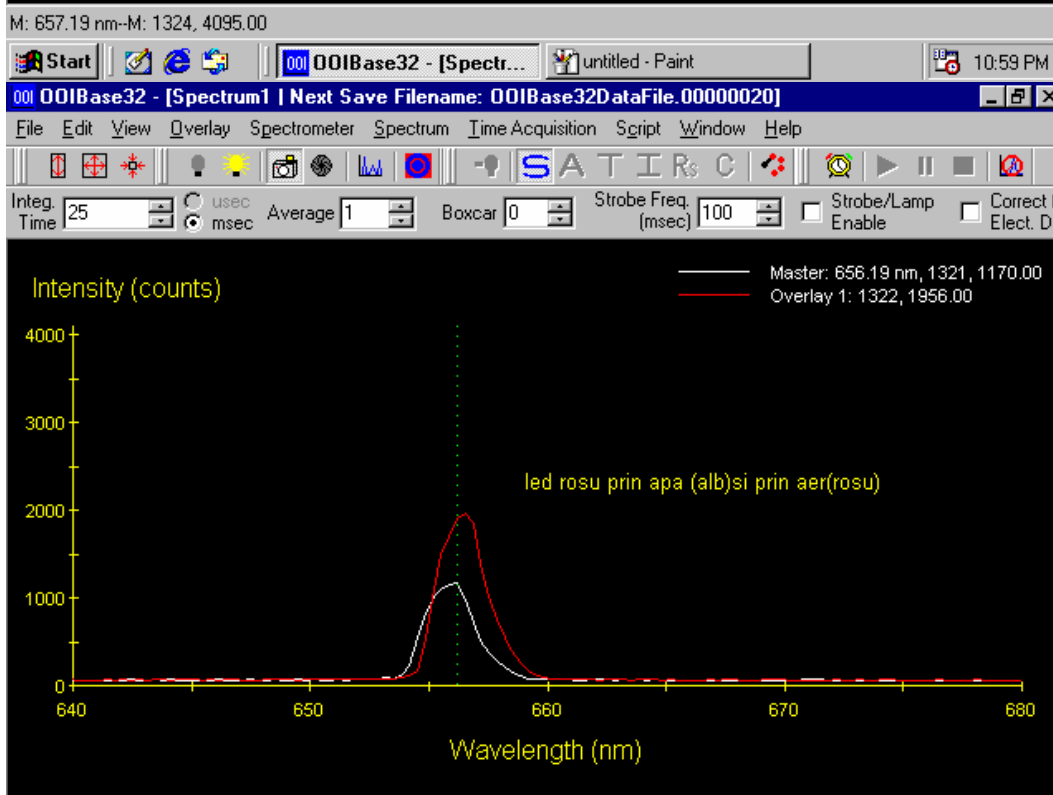
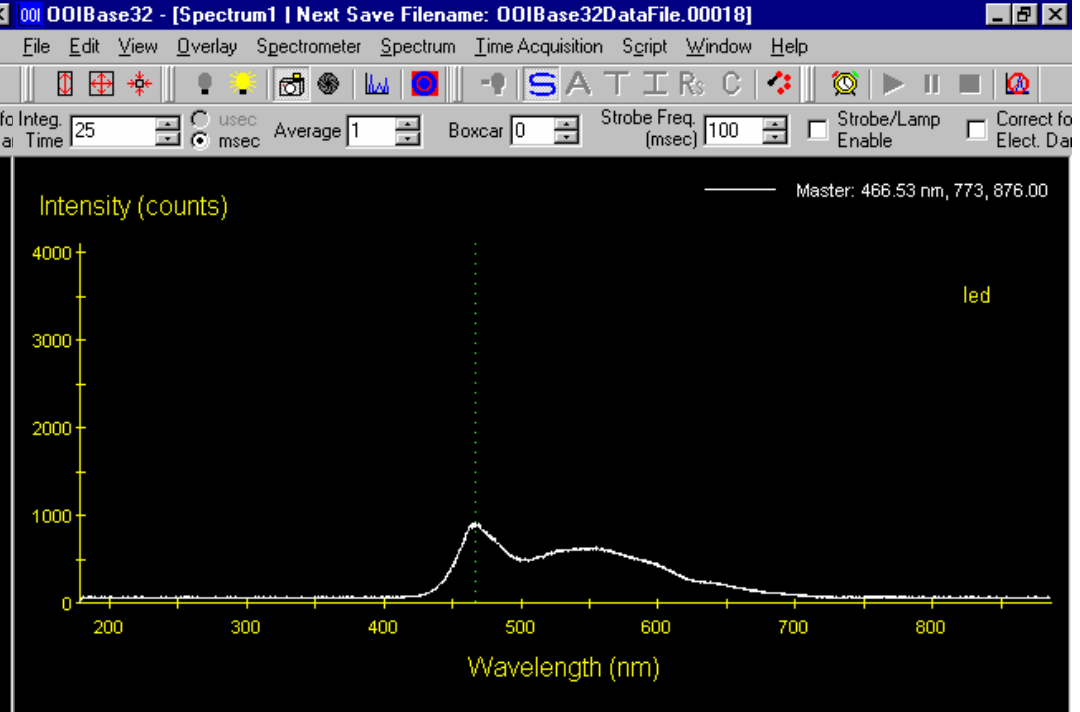
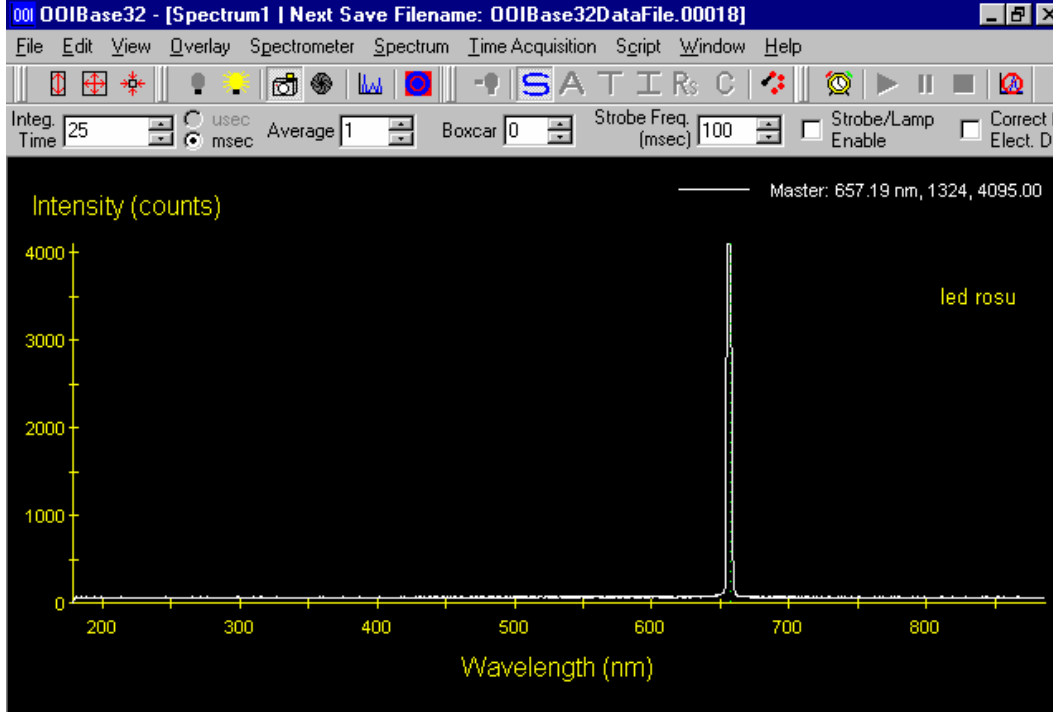
M: 527.08 nm-M: 944, 2003.00



M: 598.06 nm-M: 1149, 3977.00

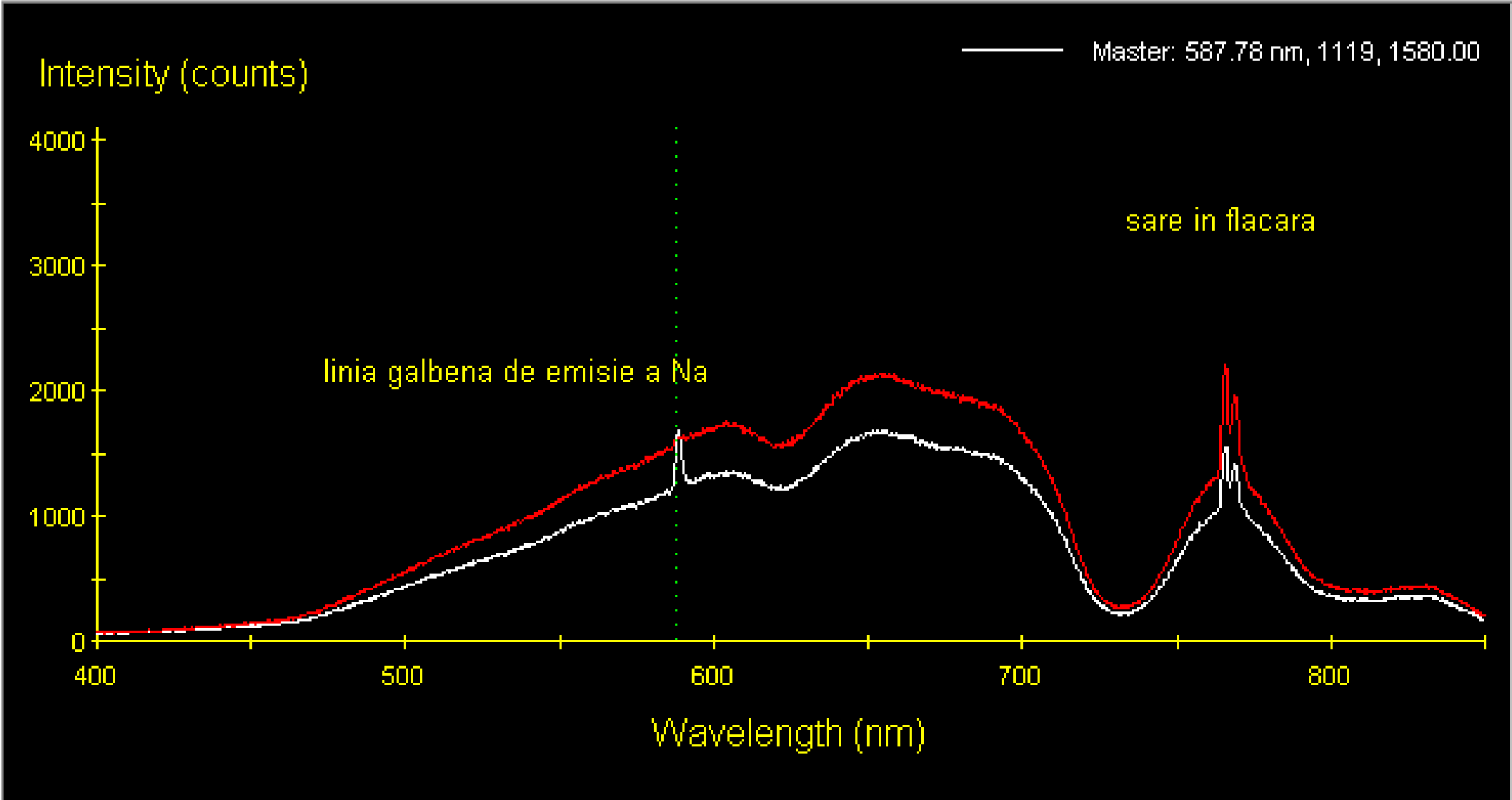


M: 528.13 nm-M: 947, 2646.00





Integ. Time: 25 [up/down]  usec  msec Average: 1 [up/down] Boxcar: 0 [up/down] Strobe Freq. (msec): 100 [up/down]  Strobe/Lamp Enable  Correct fo Elect. Da



M: 587.78 nm-M: 1119, 1580.00