

Specular Inter-laboratory comparison (ILC) 2026 for IGDB submitters and volunteers

This package contains your ILC samples. Be careful when unpacking in case any glass has broken in the shipping. Take extra care if you are not used to handling thin glass, the topmost sample in the box is a 0.5 mm piece of glass.

Please check the contents so that you have all three samples and that they are in good shape. It should be possible to distinguish between the three samples through visual inspection:

1. 0.5 mm thick.
2. Blue laminate.
3. Low-E coating on the back side.

The current version of the instructions is available at:

https://windows.lbl.gov/sites/default/files/2026-03/nfrc_ilc_2026_instructions1.0.pdf

You are to measure the solar (300 nm-2500 nm) reflectance and transmittance in 5 nm steps as well as the thermal IR (5000 nm-25000 nm) reflectance for all three samples.

New for this ILC: If your instruments allow we would appreciate if you reported data in the 2500-5000 nm range as well. This is not mandatory.

Example files are available at: <https://windows.lbl.gov/current-inter-laboratory-comparison>

Please store the samples in case you want to verify that your instrument is still accurate after service, moving, or other events.

It would be appreciated if your results are submitted as quickly as possible but at the latest by July 1st 2026. Please let me know if it is not possible for you to complete the measurements by that date.

If you have any further questions or comments, please contact me at JCJonsson@lbl.gov or +1 (510) 486 7329

Best regards,
Jacob C. Jonsson