

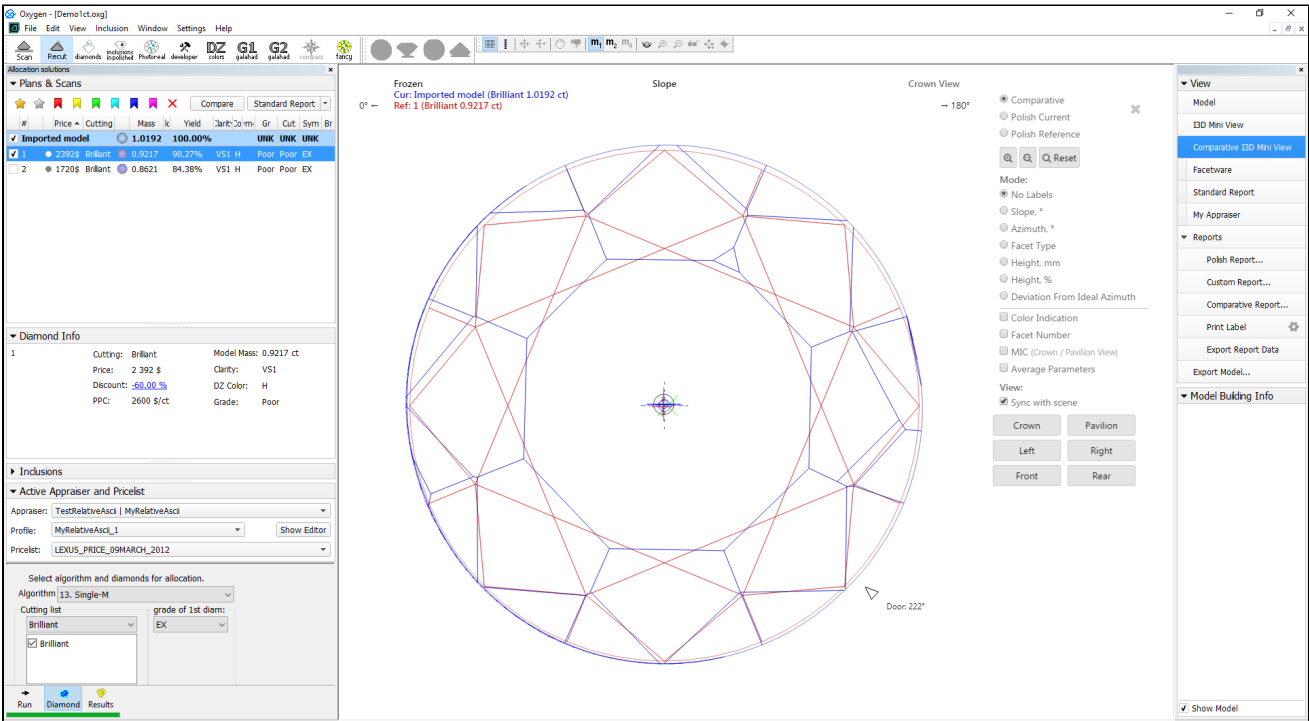
# Comparative I3D Mini View

On this page:

- 1 [Overview](#)
- 2 [Facet Identification](#)
- 3 [Displaying Model Mass in Correspondence with Plan List](#)
- 4 [Distance from Reference/Current](#)
- 5 [Related Pages](#)

## Overview

Comparative Interactive 3D View (Comparative I3D Mini View) represents the two selected stone models in 3D for comparison. Comparing with the standard Scene, in Comparative I3D Mini View, the models are displayed with a number of additional details mapped over the displayed facets.



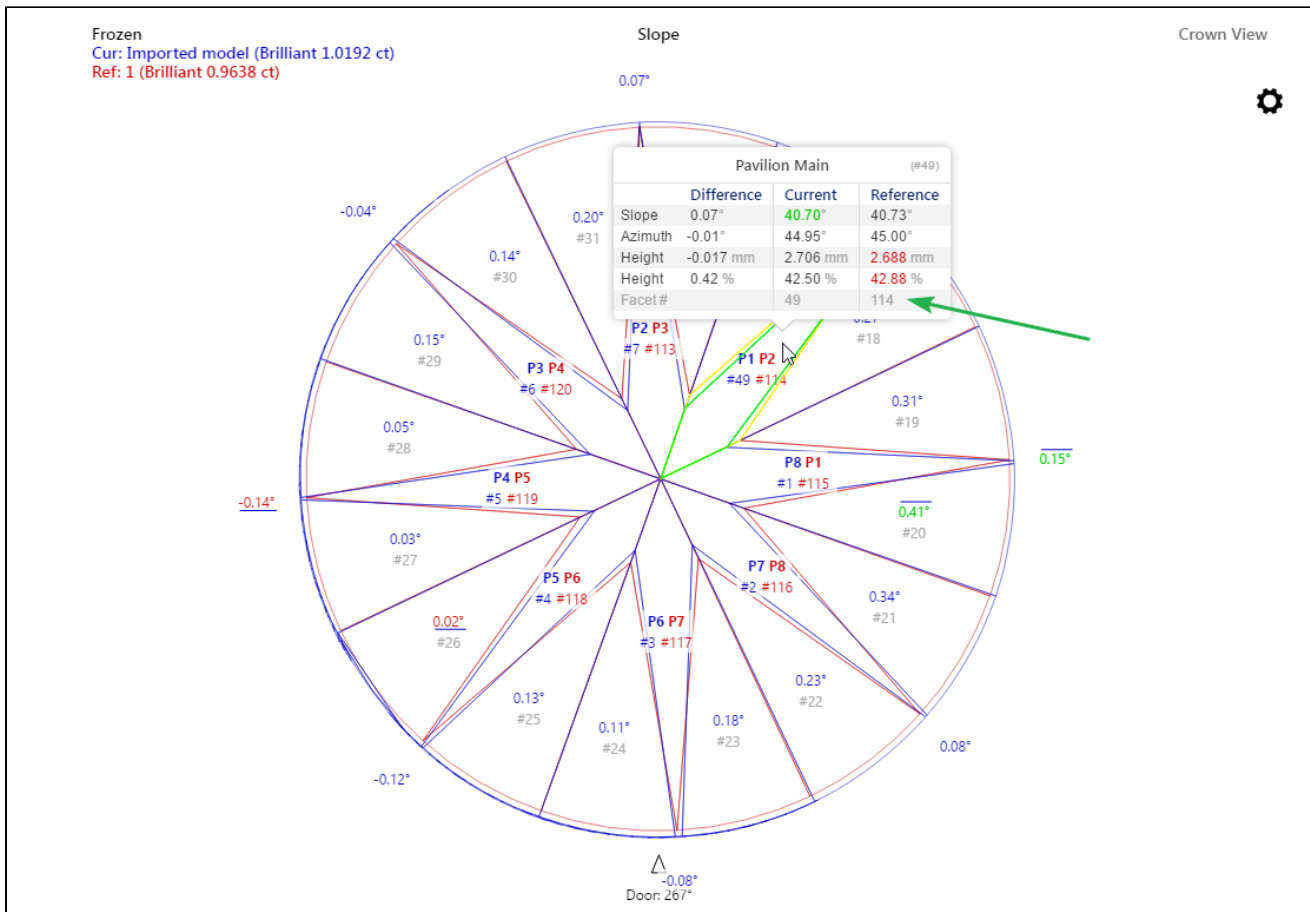
## Facet Identification

In Comparative I3D Mini View, in "Comparative" mode, short names of the main facets and their numbers are displayed both for the current and for the reference models. They are colored correspondingly.



Facet numbers are displayed only when the **Facet Number** check box is selected.

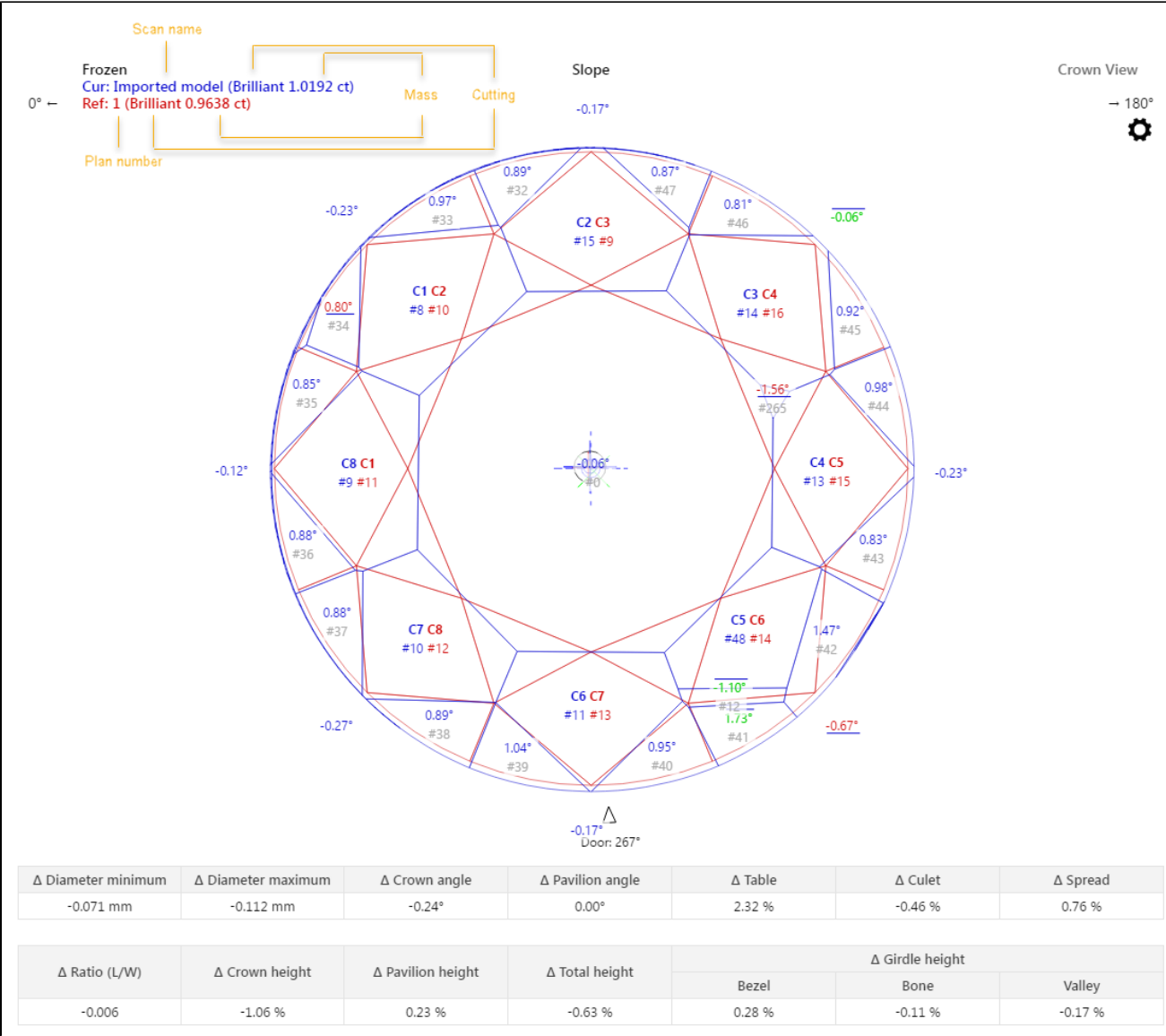




## Displaying Model Mass in Correspondence with Plan List

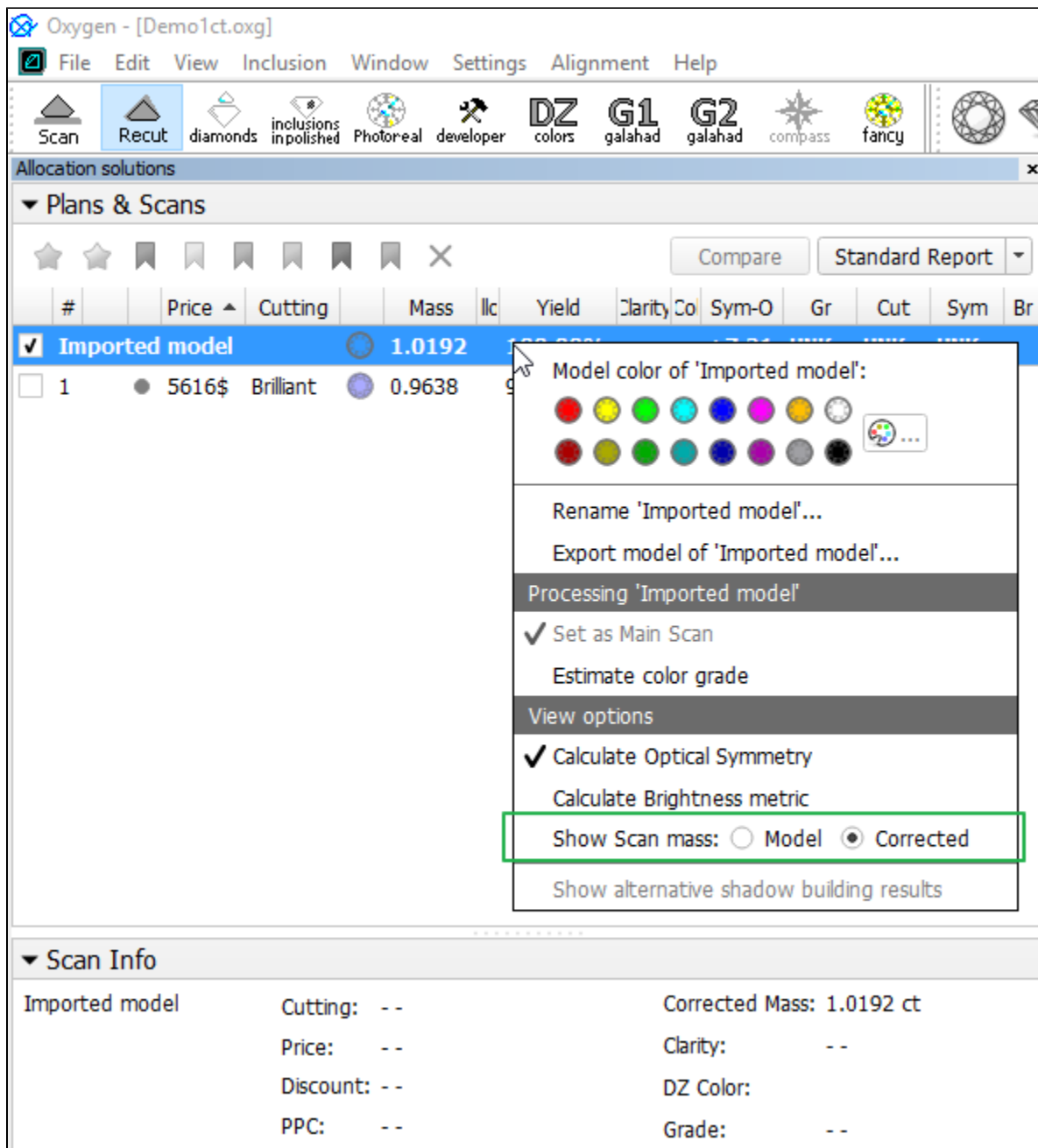
In comparative I3D Mini View, for what was selected from the plan list as the current and reference models the following information is displayed:

- Scan name (for example, "Imported Model") or plan number (for example "1"), followed by (in brackets):
- Cutting name
- Model mass, ct



For the scan, the displayed mass will be in correspondence with the mass displayed in the plan list. This may be:

- Model mass
- Corrected mass

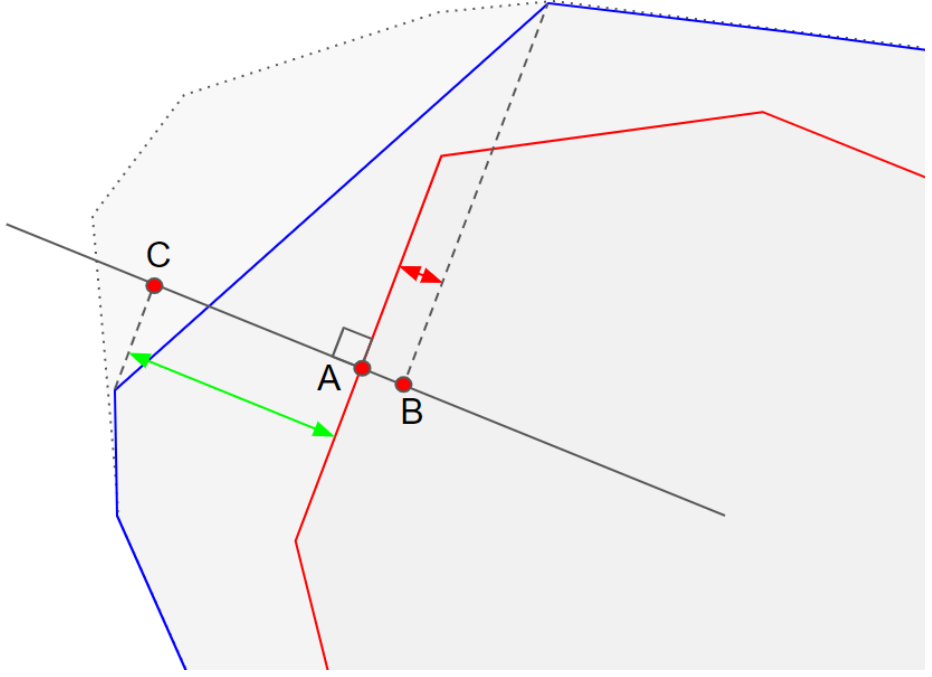
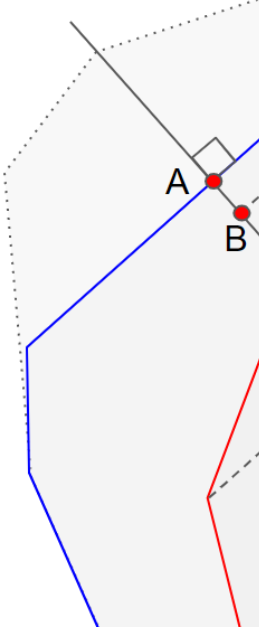


## Distance from Reference/Current

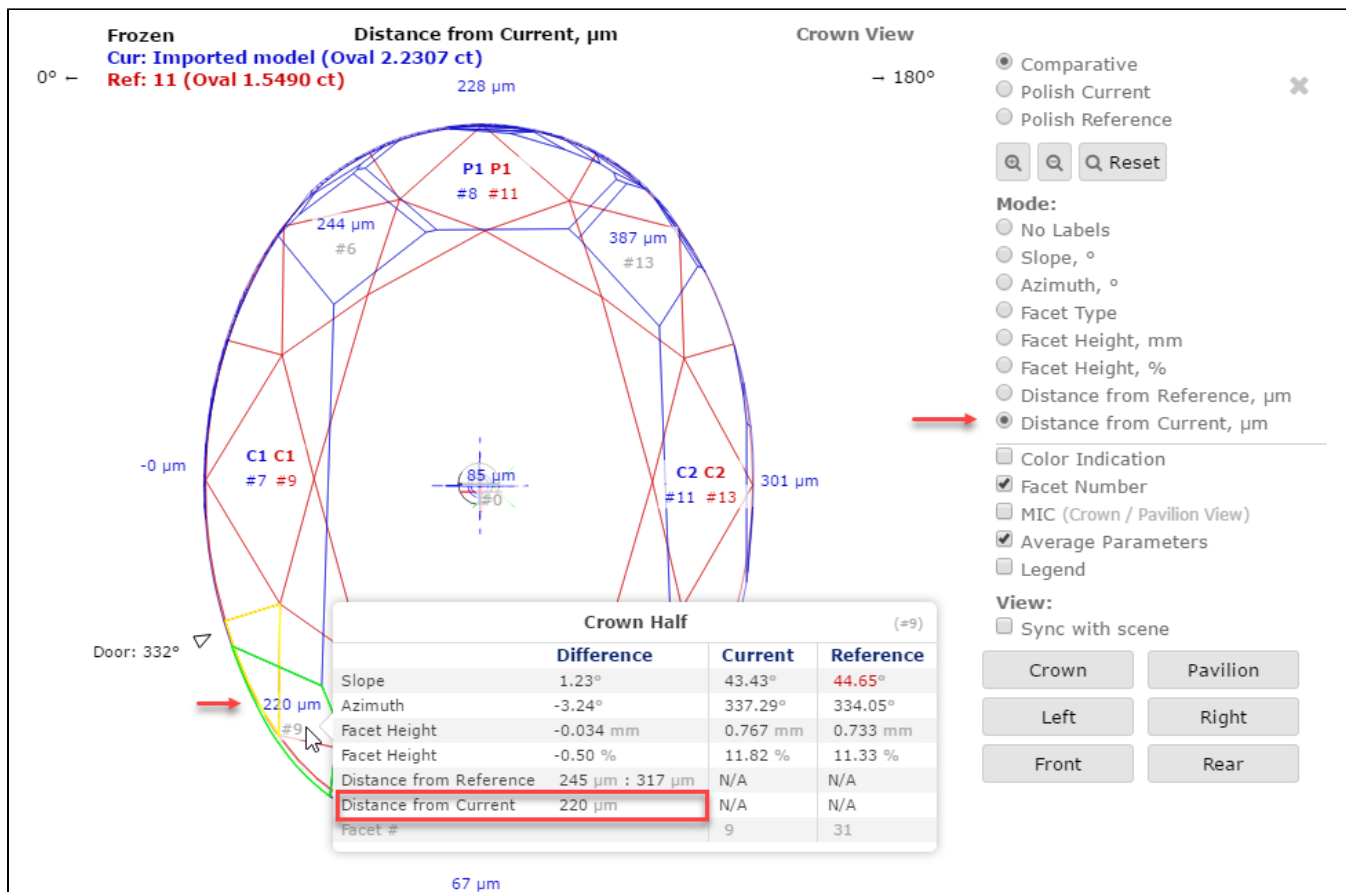
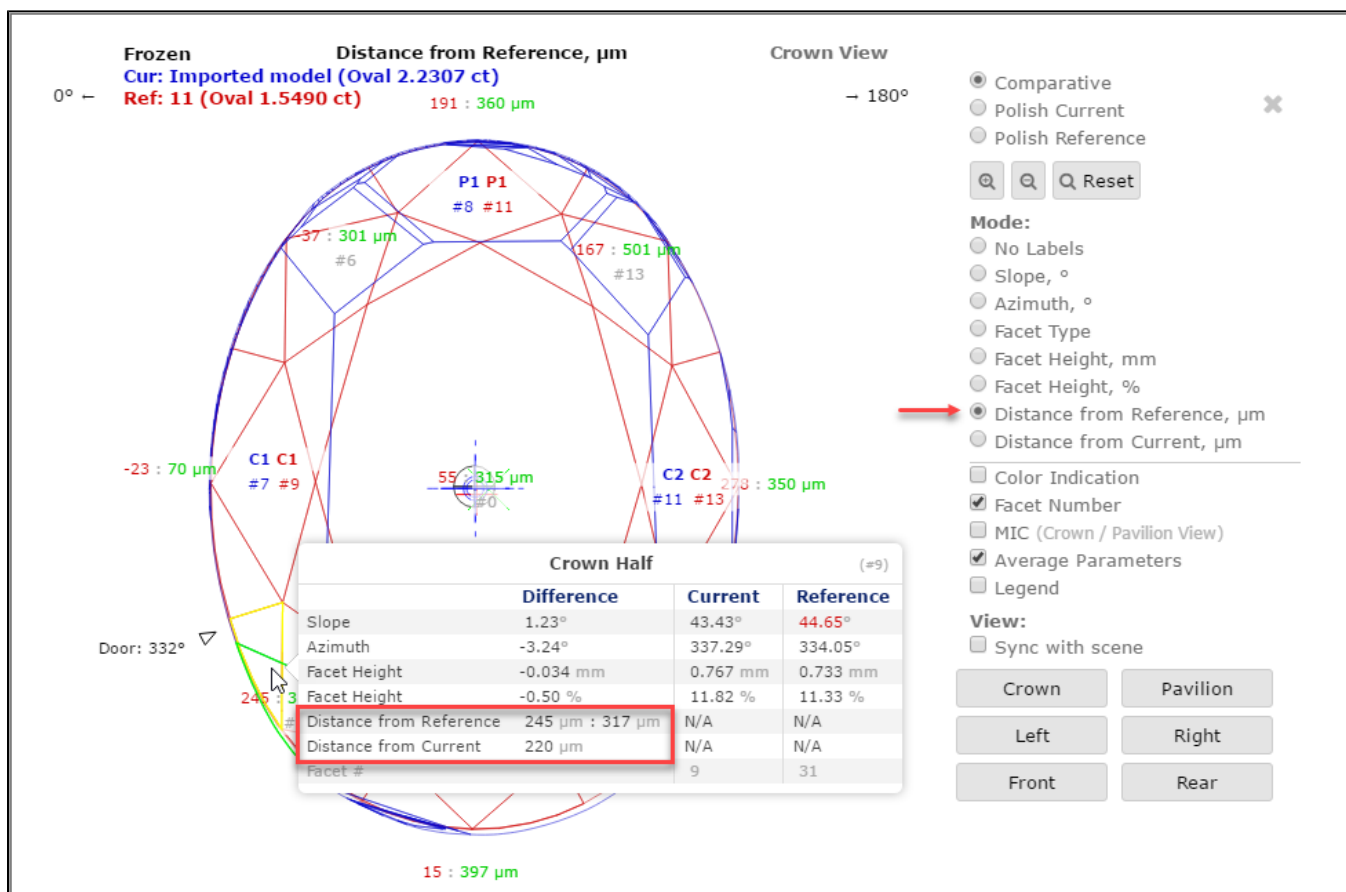
In Comparative I3D Mini View, two special modes are available:

- Distance from Reference,  $\mu\text{m}$
- Distance from Current,  $\mu\text{m}$

Distance from Reference, $\mu\text{m}$	Distance from Current, $\mu\text{m}$
--	--------------------------------------

	
<ul style="list-style-type: none"> <li>• A - intersection of facet of <b>reference</b> and normal to it</li> <li>• B - from all the projections of facet of current onto normal - the one with minimum distance from the center</li> <li>• C - from all the projections of facet of current onto normal - the one with maximum distance from the center</li> <li>• A-B - Distance from Reference, <math>\mu\text{m}</math></li> <li>• A-C - Distance from Reference, <math>\mu\text{m}</math></li> </ul>	<ul style="list-style-type: none"> <li>• A - intersection of facet of <b>current</b> and normal to it</li> <li>• B - from all the projections of facet of <b>reference</b> onto normal - the one with minimum distance from the center</li> <li>• A-B - Distance from Current, <math>\mu\text{m}</math></li> </ul>
<b>Notes on meaning:</b>	
<ul style="list-style-type: none"> <li>• The less the difference between <b>maximum</b> and <b>minimum</b>, the more parallel the facets of <b>current</b> and <b>reference</b> are.</li> <li>• Both values positive means the <b>current</b> is larger than the <b>reference</b>.</li> <li>• If Distance from Reference, <b>min</b> is negative (like on the picture above), this means a part of the facet of <b>current</b> should be kept.</li> <li>• Distance from Reference, <b>max</b> shows "how much should be cut in the correct direction" to get the result.</li> </ul>	<ul style="list-style-type: none"> <li>• "How much more can be cut parallel to the reference facet"</li> <li>• A positive value means the <b>current</b> is larger than the <b>reference</b></li> </ul>

Here is an example:



# Related Pages

- [Comparative I3D Mini View](#)
- [I3D Mini Views](#)
- [Interactive 3D Report](#)