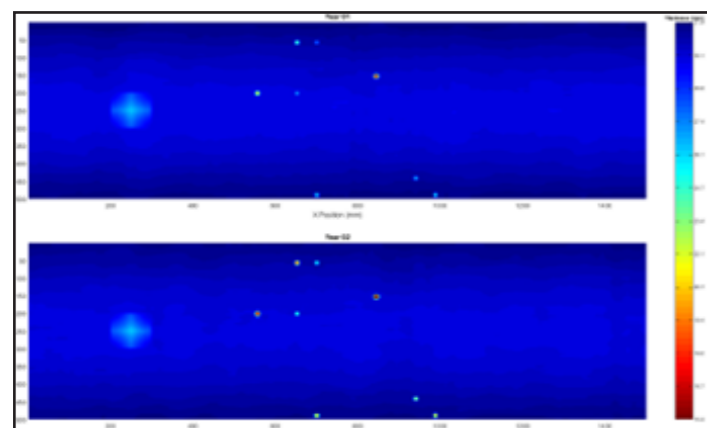


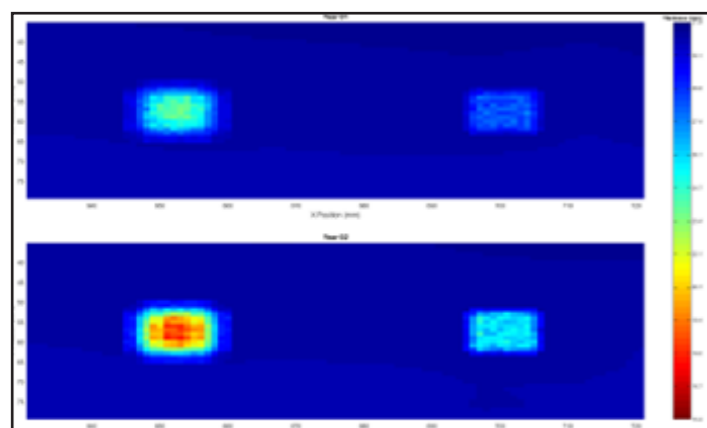
C~VIEW - ISOLATED PIT



This example loads two CScans named Year 1 and Year 2 which have the same features but with significantly more degradation in the 2nd year.

The aim of this example is to demonstrate the Pit Modelling analysis for comparing the changes in the pits between two inspections.

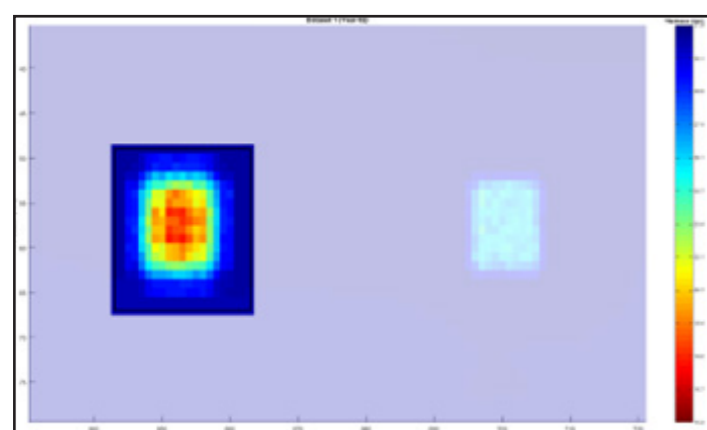
It can also be used with a single CScan to investigate pit depth without a comparison.



Zooming in and out to get a better view can be done with the magnifying glass icons on the toolbar or by using the shortcut keys

- + Zoom In
- - Zoom Out
- 0 Reset Zoom

The Image shown on the left is a zoomed in view of the example data above to highlight two pits. Note that in the Year 2 data the pits are deeper.



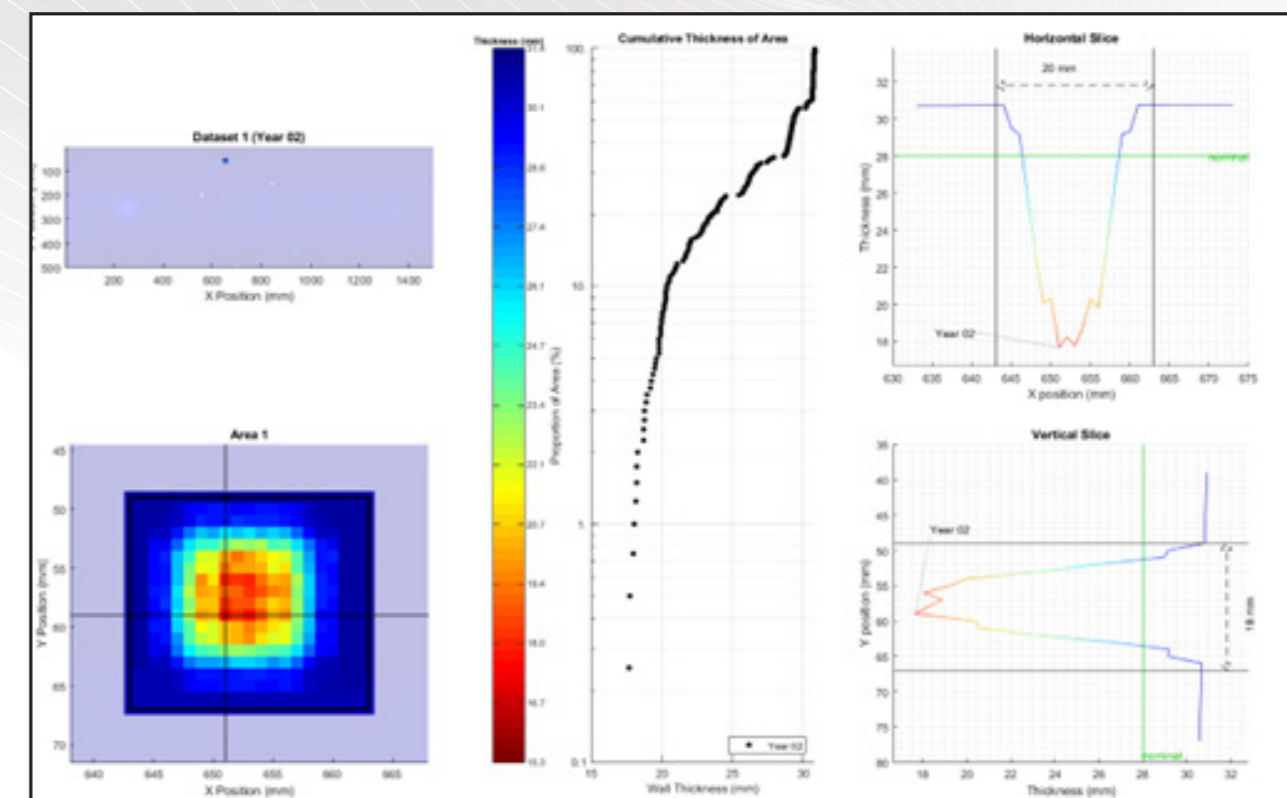
To use the Pit Analysis, create a lasso around a pit. A lasso can be created from the Tools menu or by pressing "Q" on the keyboard.

- Left click to add points
- Right click to finish
- Hold shift to help select straight lines

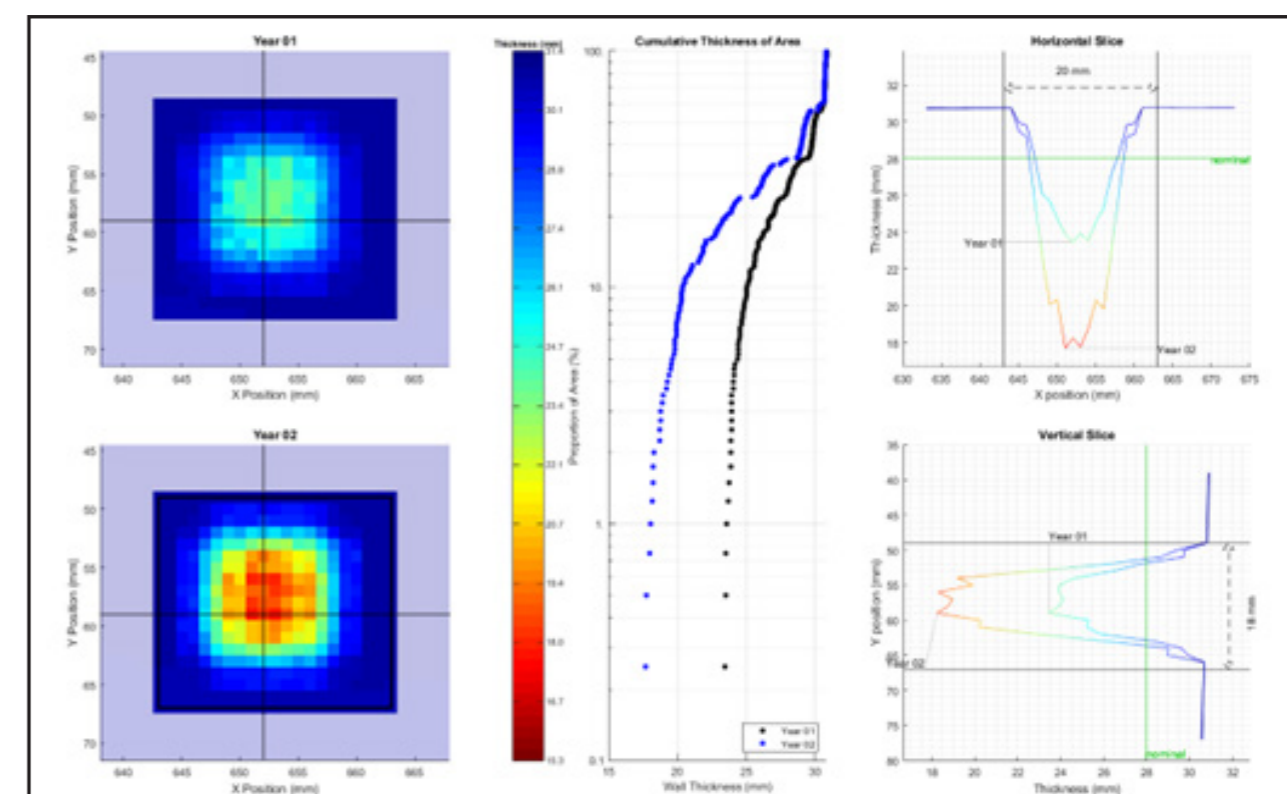
Once a lasso has been selected, click "Save Area" from the Tools menu or press "W" on the keyboard.

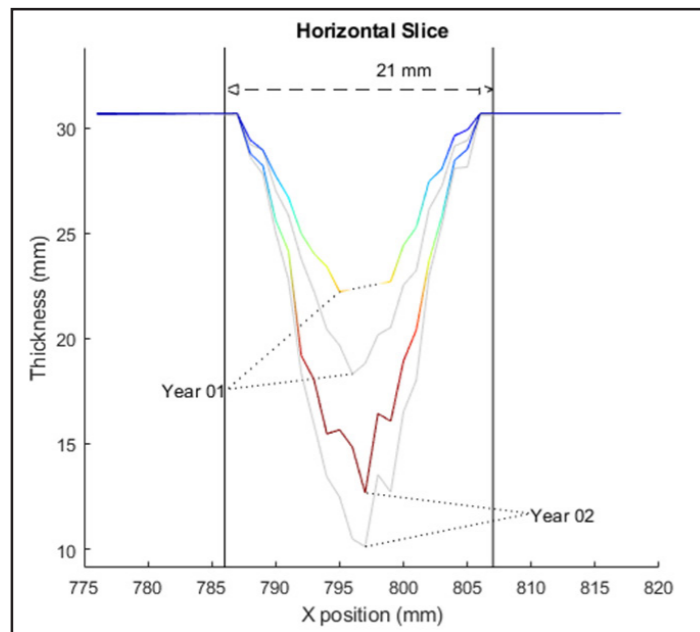
Repeat the process to select multiple areas.

Navigate to the Pit Modelling View. In the "Pit" Tab on the right any selected lasso areas are shown in a list. Selecting an item in the list will change the area in focus.



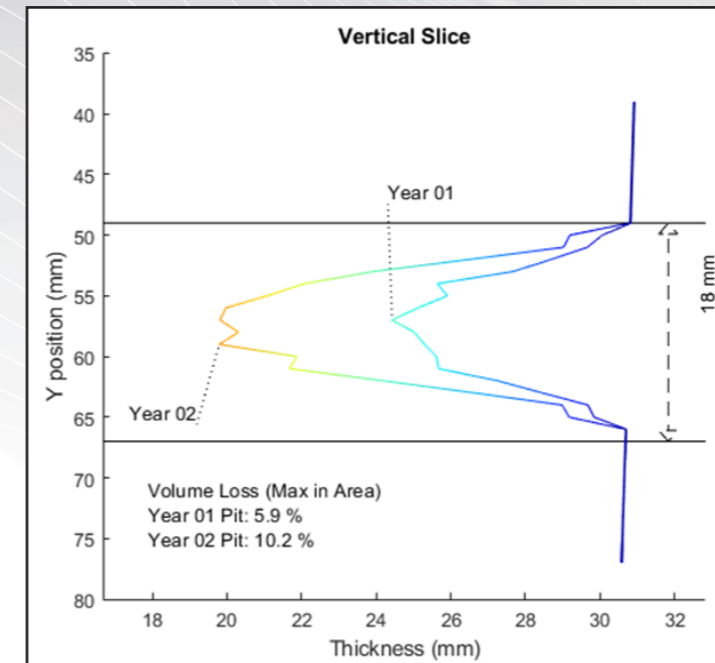
When only a single year is selected you can see the Area on the full CScan and a zoomed in view on the left as shown above. When both Year 1 and Year 2 are selected it instead shows the comparison of the two zoomed in areas as shown below.





Using the "Slice Options" button the appearance of the Slice plots can be changed:

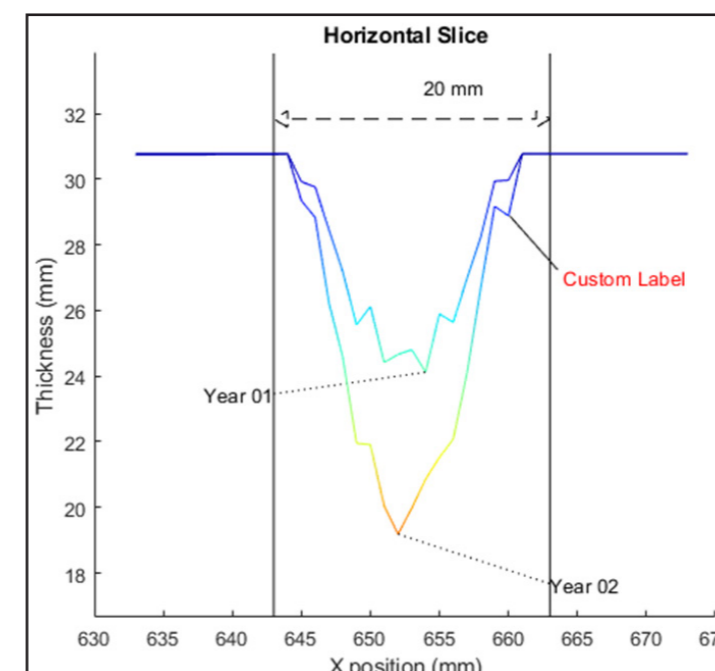
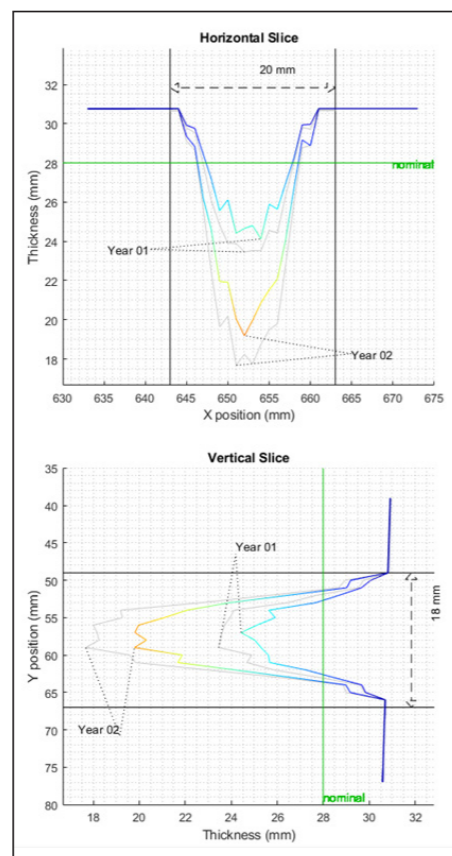
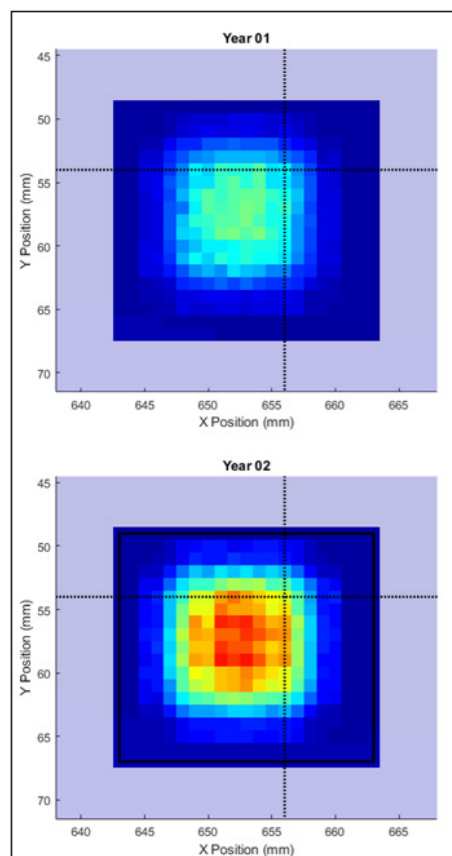
- Missing Data can be linearly interpolated (shown as a dotted line)
- The minimum slices can be shown (River Bottom Profile, in grey)
- Labels, Gridding, Nominals, Pit Volume can be toggled on/off
- The extent of the area outside the Lasso can be changed.



The "Calculate Pit Volume" button can estimate the volume loss of the pit in the lasso.

When prompted for a thickness, anything below this value inside the lasso is counted as a volumetric loss.

The results are displayed on the Vertical Slice plot.



Labels can be added using the "Add Label" button. They can be placed at specific coordinates or interactively with the mouse.

Right clicking a label allows for drawing linked lines, changing the colour of the text and lines or changing the text itself.

Labels can be placed on any of the plots in the Pit Modelling View.

The crosshairs on the CScan show the Horizontal and Vertical Slices intersecting the lowest point of the pit by default.

Dragging the dotted lines on the CScan lets you see slices through a different area of the pit.

The river bottom option always shows the slice crossing through the minimum point in grey.