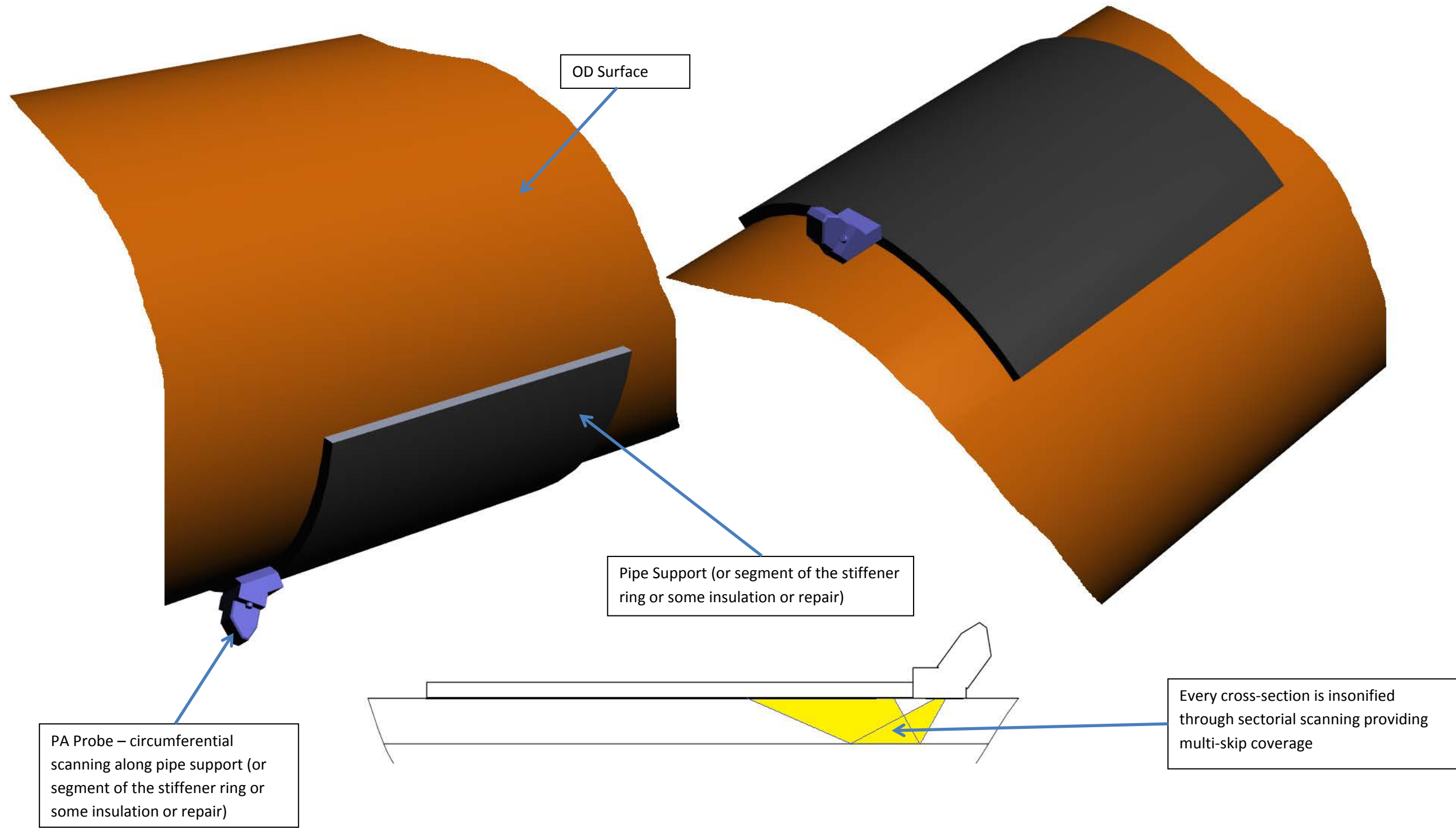
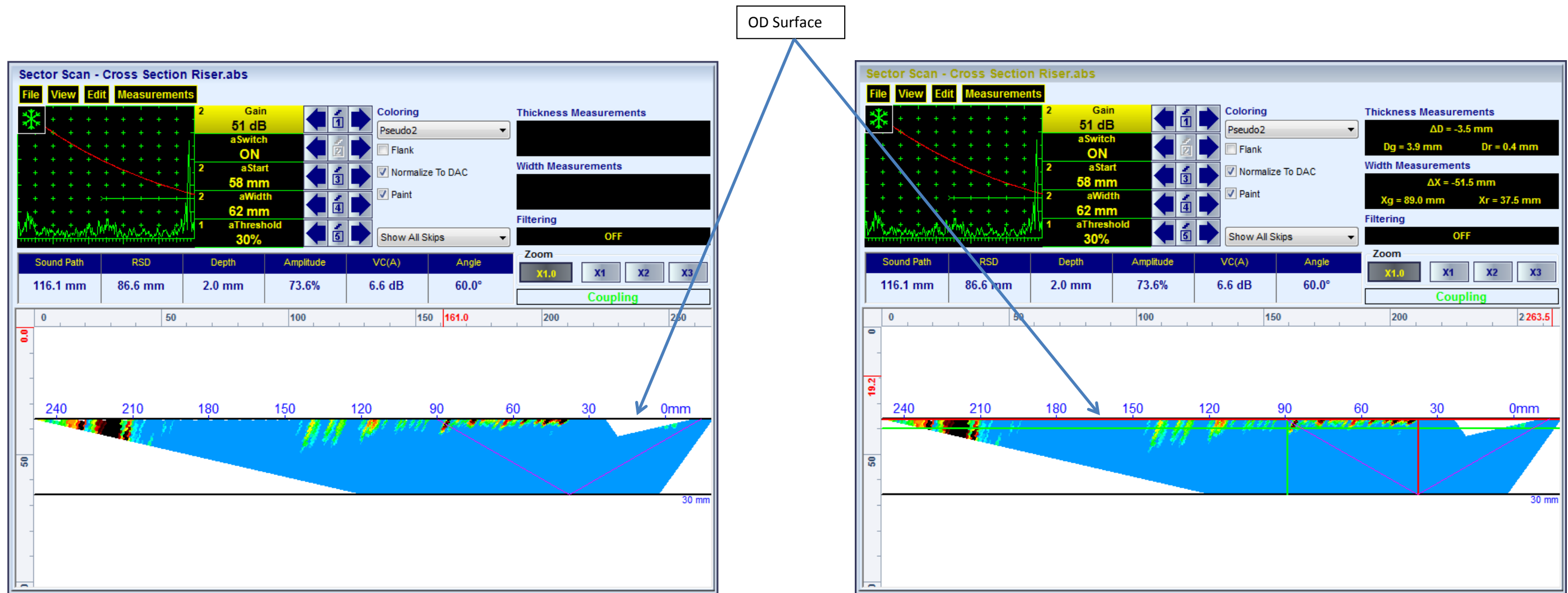


Longitudinal Insonification



Typical cross sectional indication obtained from one placement of the PA probe: 30 mm WT riser – scattered corrosion on the OD surface under stiffener ring

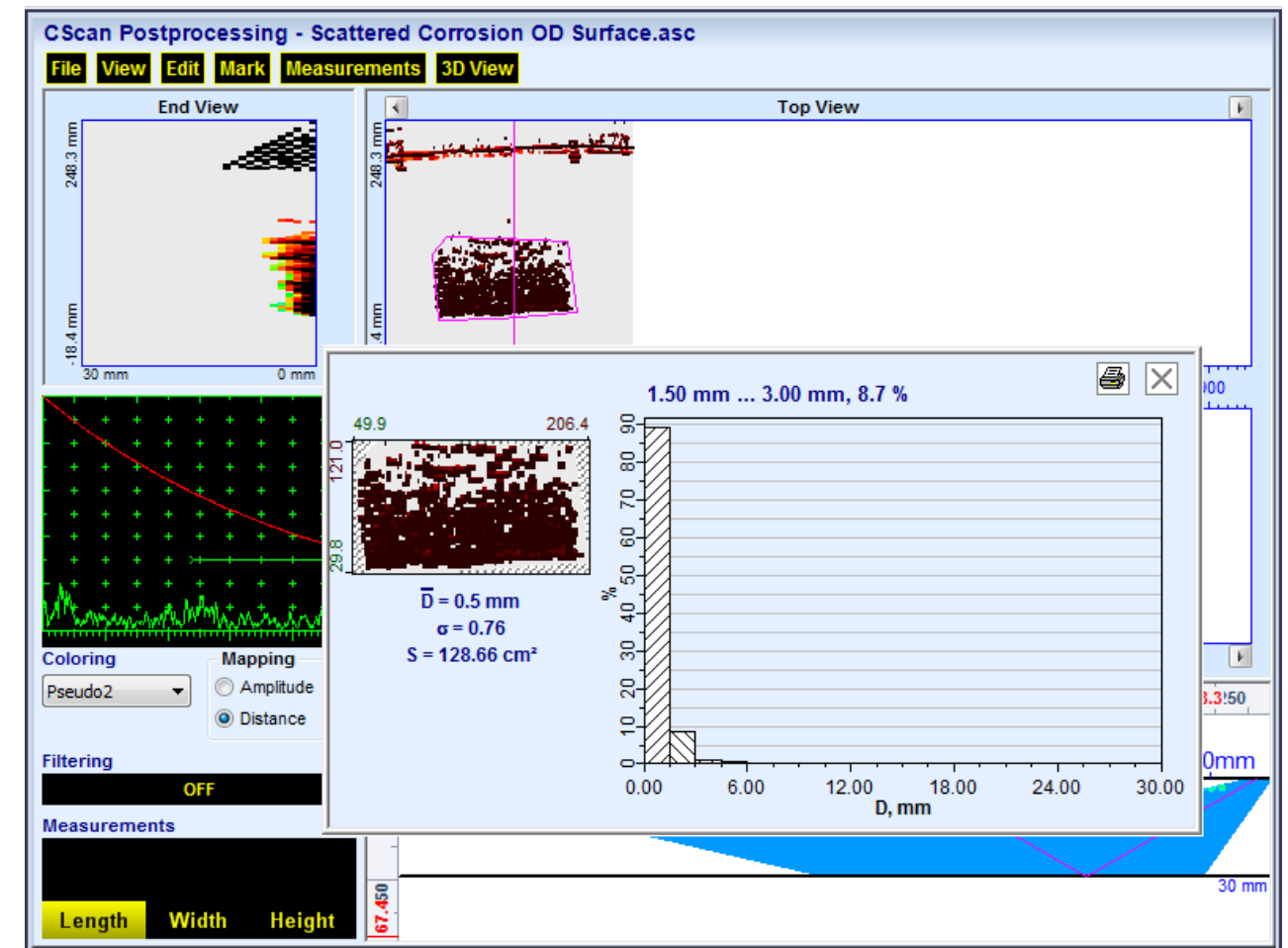
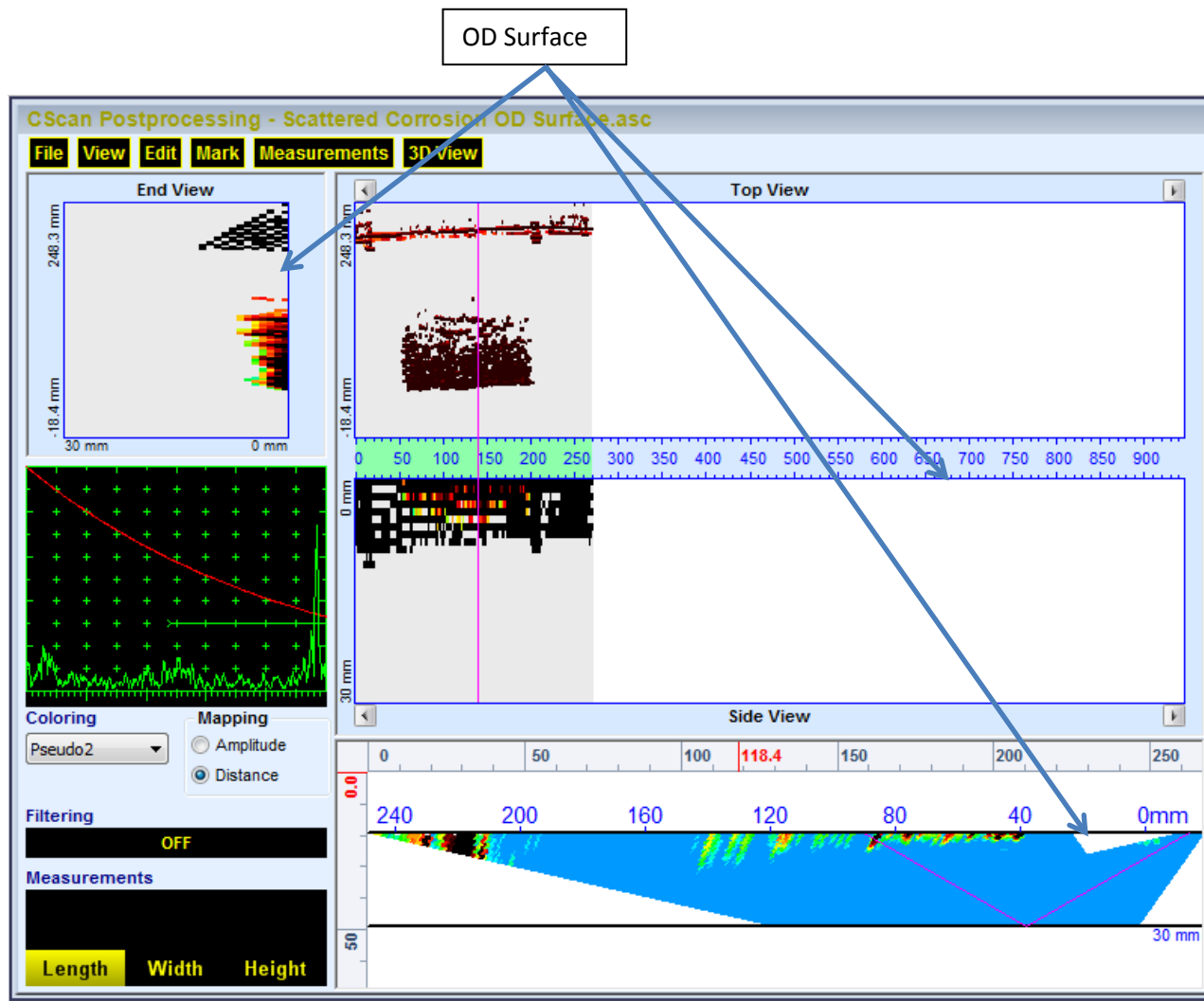


The degree of corrosion damage may be evaluated through:

- A-Scan evaluation
- Setting measuring cursors above the true-to-geometry sectorial scan image, which may be obtained easily through setting nominal WT value, beam steering range, and number of skips to be implemented

The probe should be equipped with the CU-contoured contact face allowing stable coupling for the *longitudinal insonification*

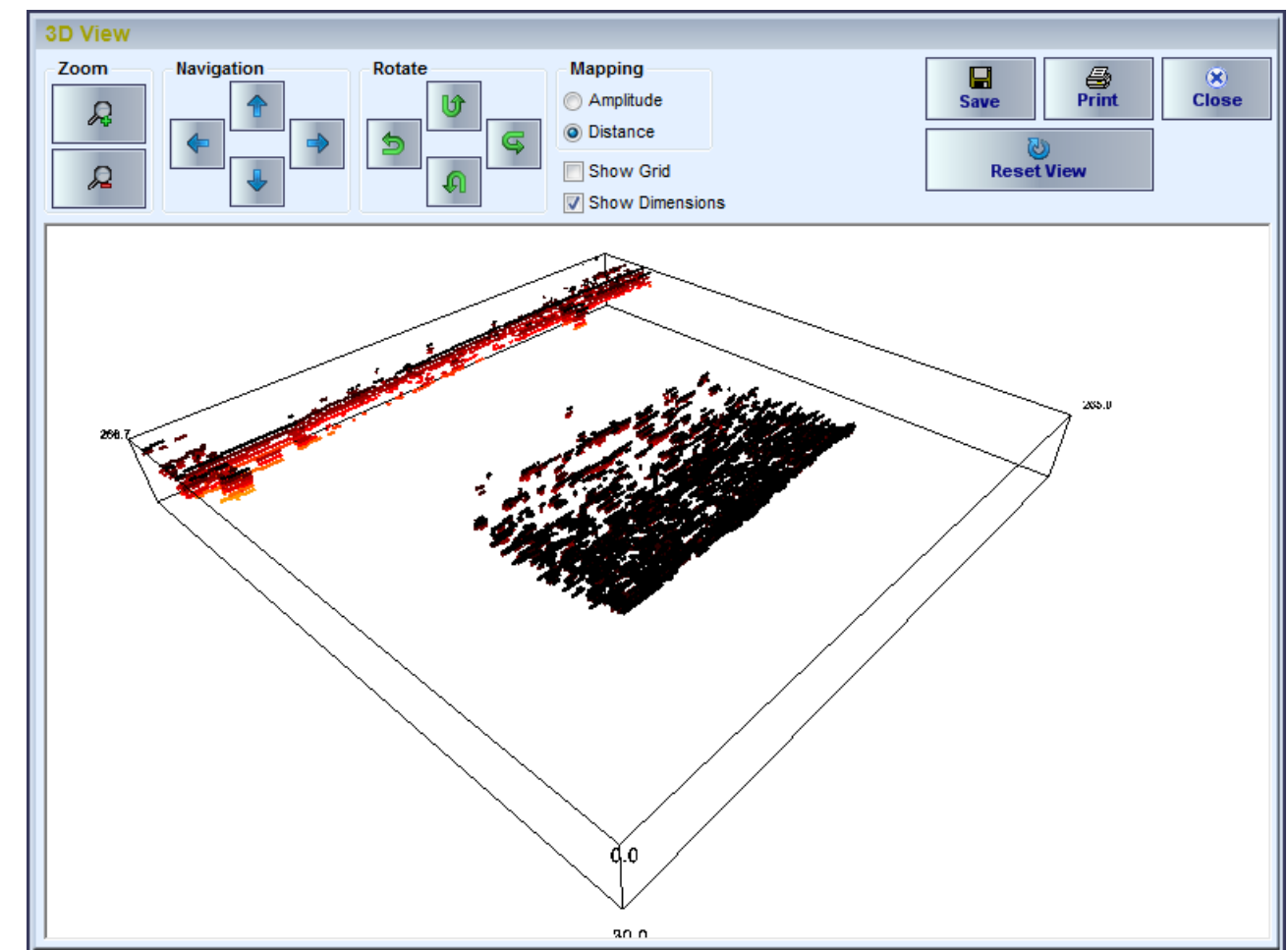
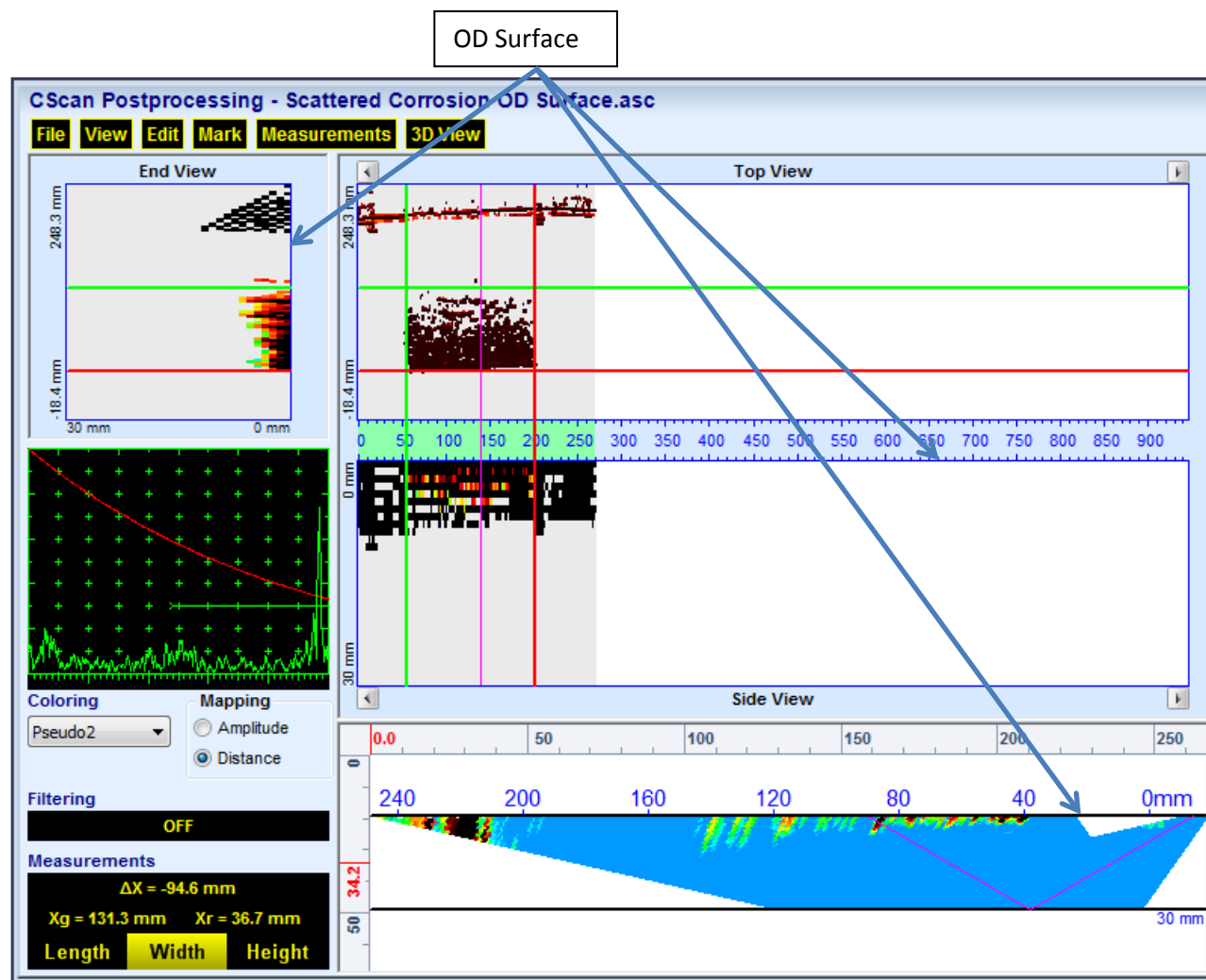
Typical C-Scan indication obtained through manipulating PA probe circumferentially: 30 mm WT riser – scattered corrosion on the OD surface under stiffener ring



At every position along the C-Scan the cross sectional data captured during the scanning may be stored into a separate file and evaluated as it is shown above

The integrated degree of corrosion damage of the selected area may be evaluated statistically using *POLYGON* function applied to distance C-Scan (Top View)

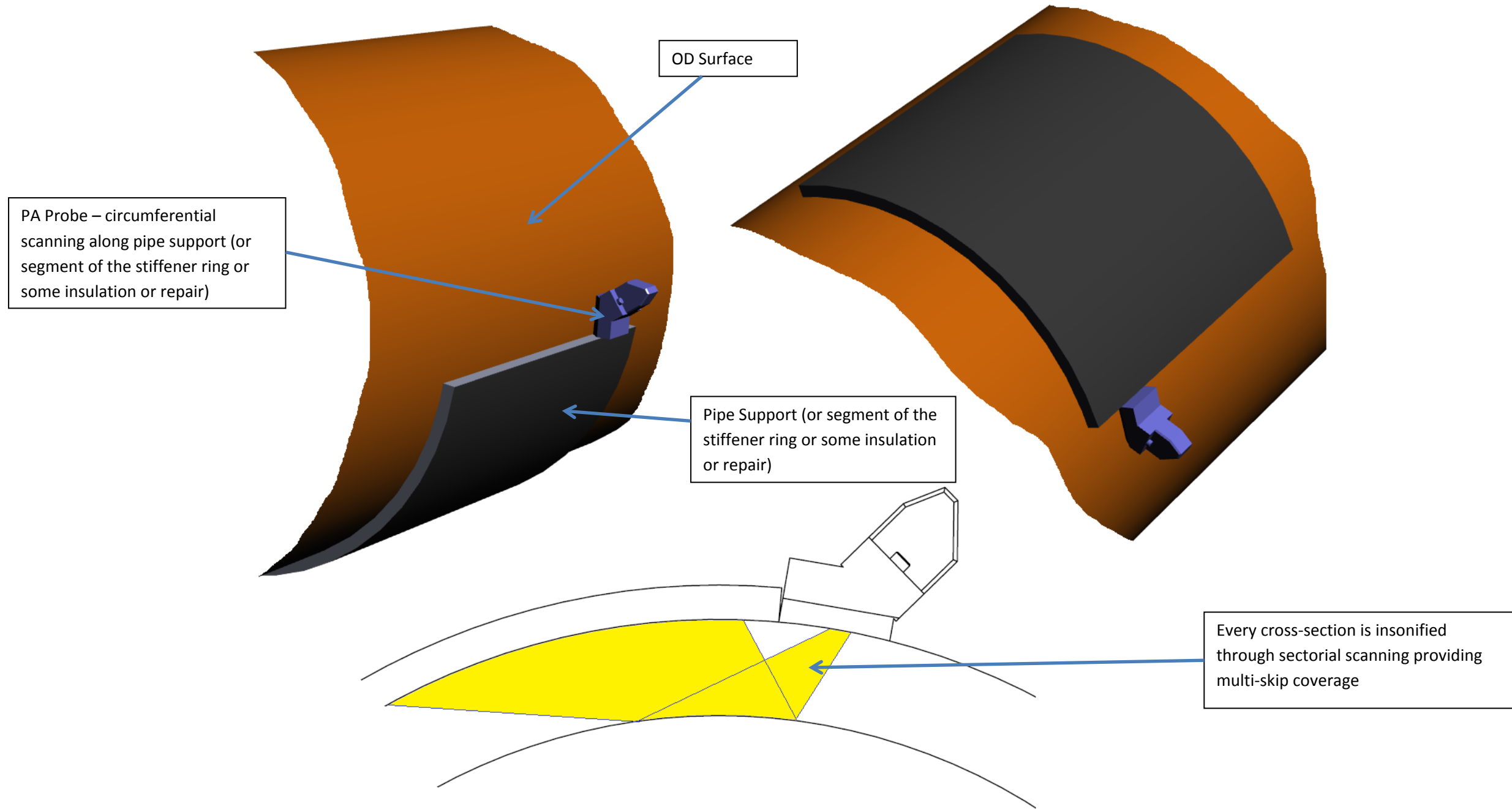
Typical C-Scan indication obtained through manipulating PA probe circumferentially: 30 mm WT riser – scattered corrosion on the OD surface under stiffener ring



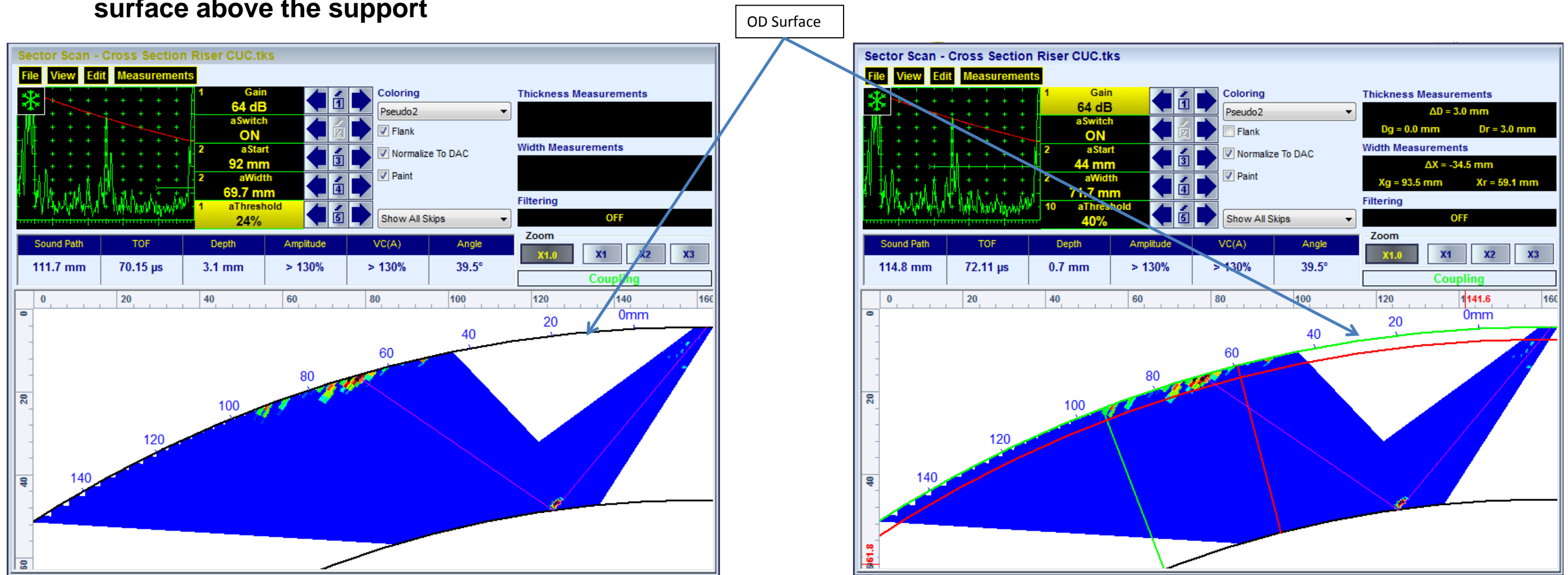
The length and width of the damage area may be evaluated through boxing with the appropriate cursors

3D-presentation provides better understanding for the non-UT personnel

Circumferential Insonification



Typical cross sectional indication from one placement of the PA probe: 42 mm WT pipe – scattered corrosion on the OD surface above the support



The degree of corrosion damage may be evaluated through:

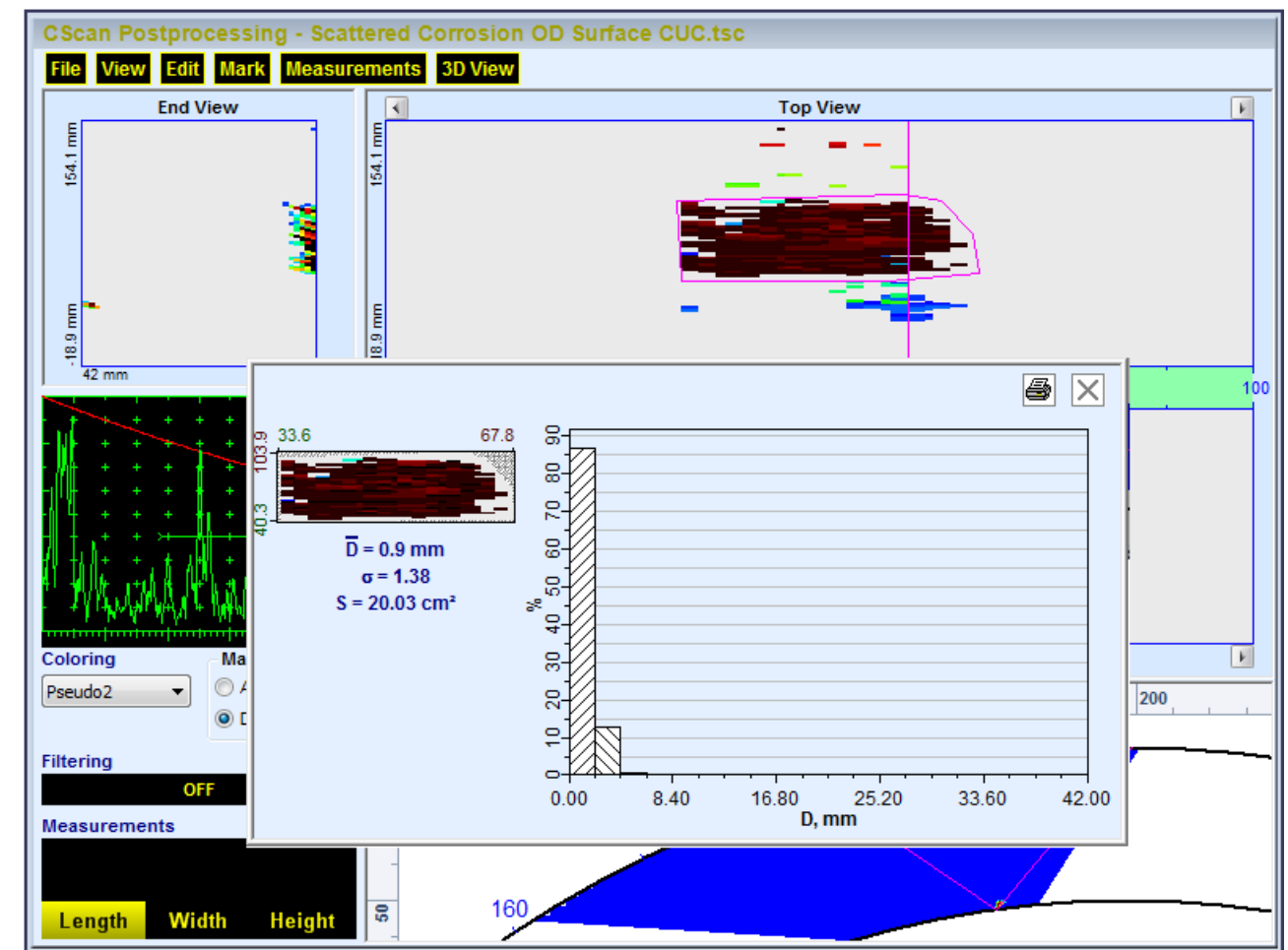
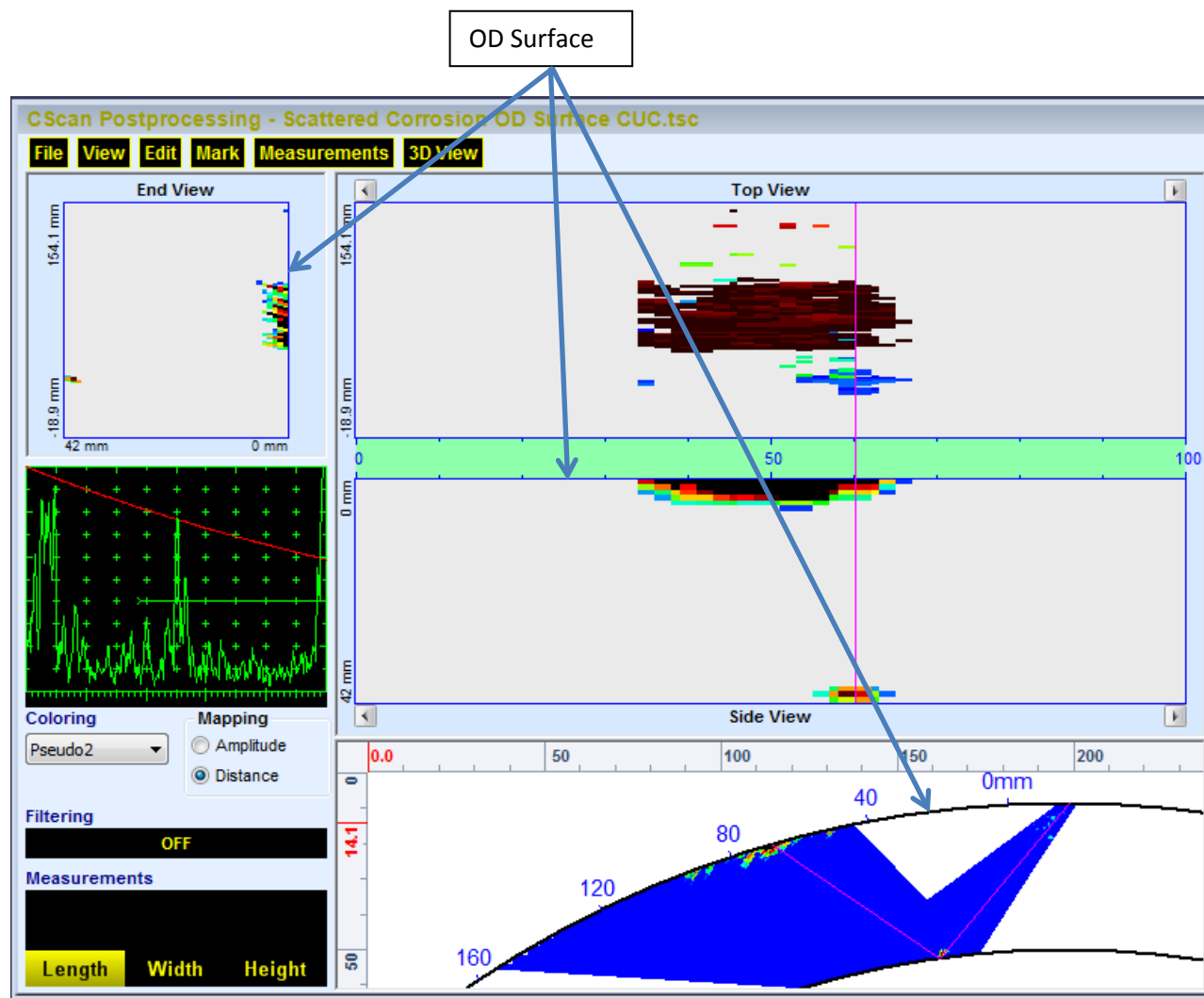
- A-Scan evaluation
- Setting measuring cursors above the true-to-geometry sectorial scan image, which may be obtained easily through setting nominal WT and OD values, beam steering range, and number of skips to be implemented (Optional Inspection SW Package EXPERT CU)

The probe should be equipped with the CUC-contoured contact face allowing stable coupling for the *circumferential insonification*



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Typical C-Scan indication obtained through manipulating PA probe along the pipe: 42 mm WT pipe – scattered corrosion on the OD surface above the support

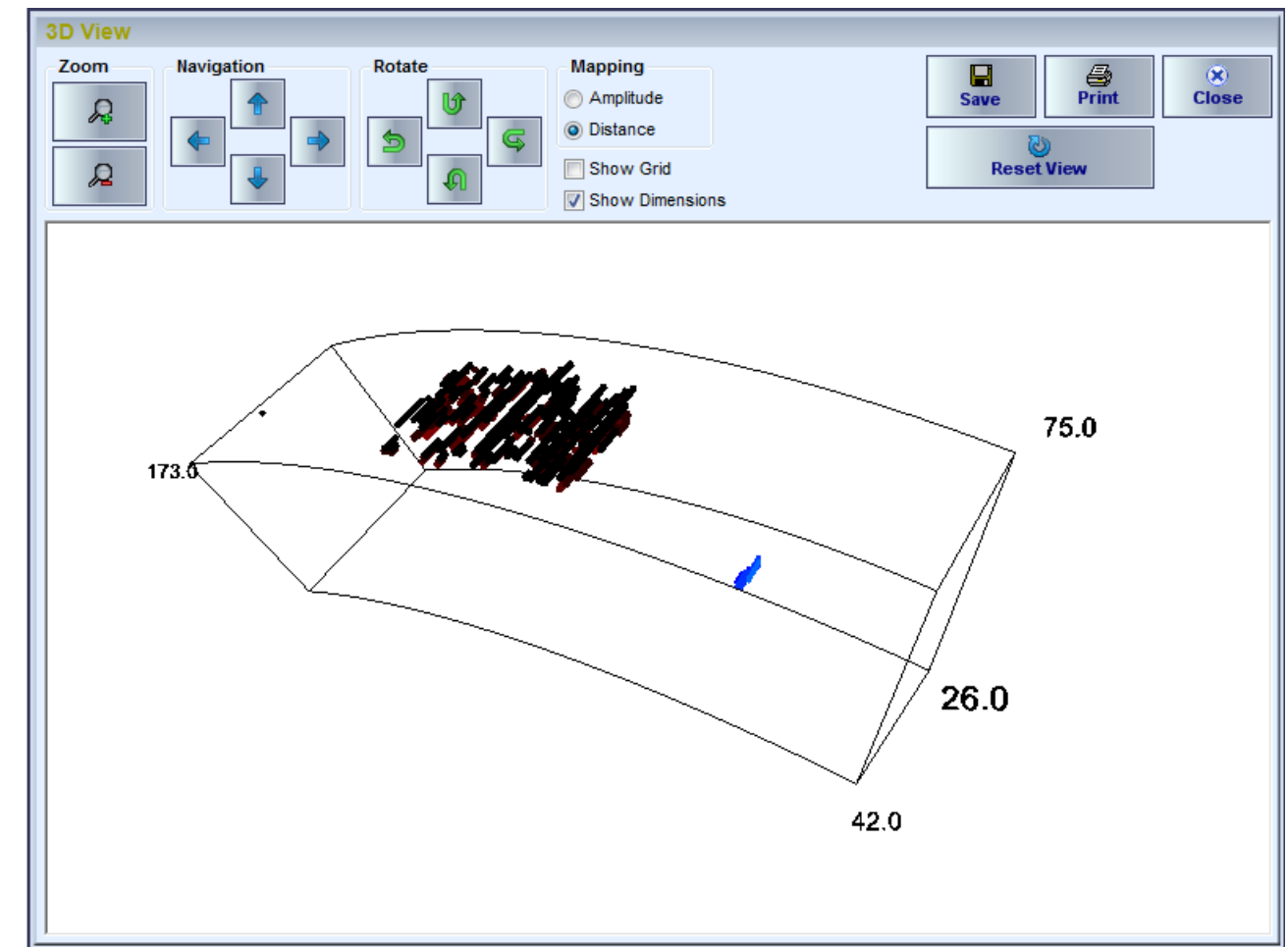
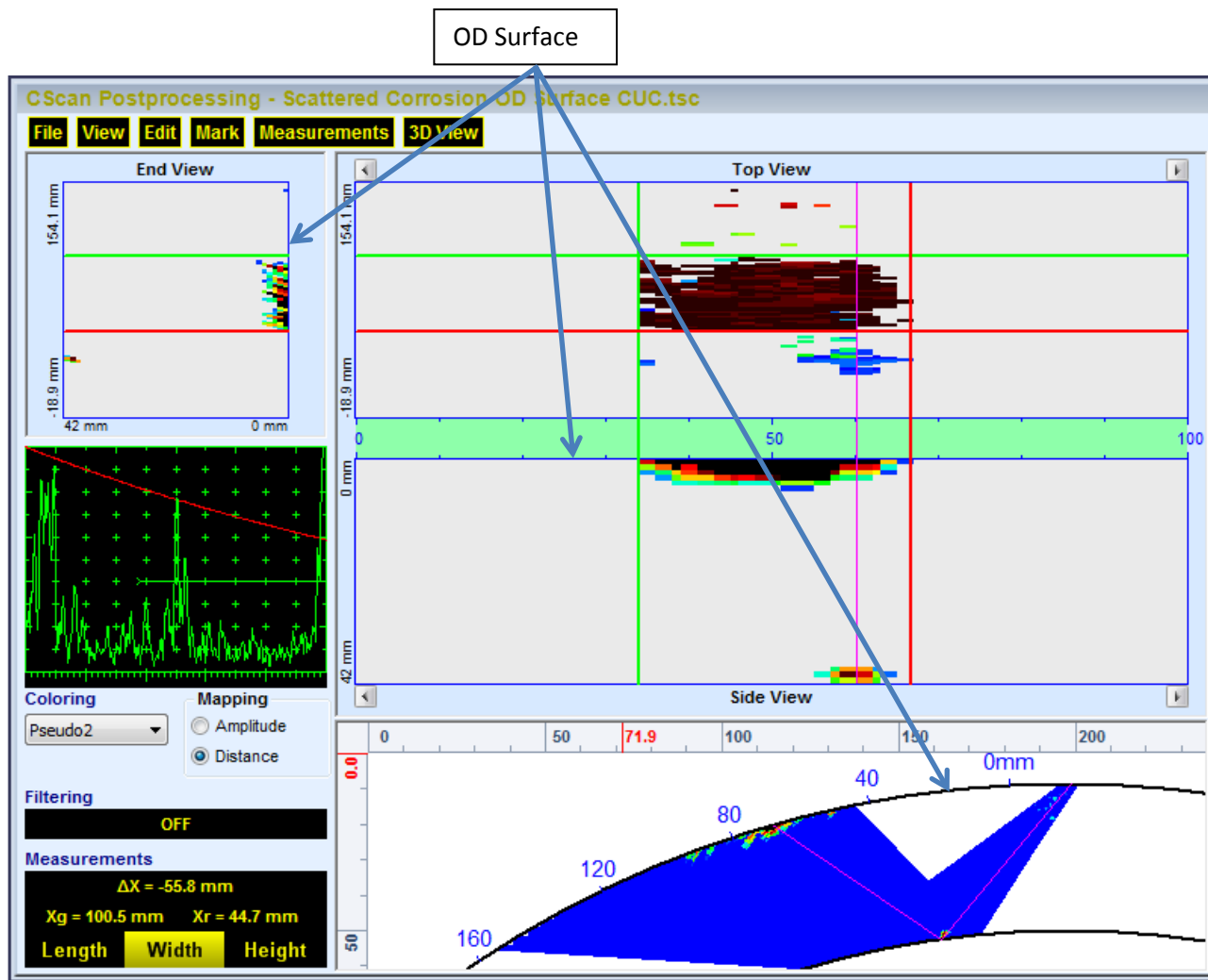


At every position along the C-Scan the cross sectional data captured during the scanning may be stored into the separate file and evaluated as it is shown above

The integrated degree of corrosion damage of the selected area may be evaluated statistically using *POLYGON* function applied to distance C-Scan (Top View)



Typical C-Scan indication obtained through manipulating PA probe along the pipe: 42 mm WT pipe – scattered corrosion on the OD surface above the support



The length and width of the damage area may be evaluated through boxing with the appropriate cursors

3D-presentaton provides better understanding for the non-UT personnel

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