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NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

September 19, 1984

ERRATA SHEET

Report Number: NUREG/CR-3625

Report Title: Review and Discussion of the Development  
of Synthetic Aperture Focusing Technique  
for Ultrasonic Testing (SAFT-UT)

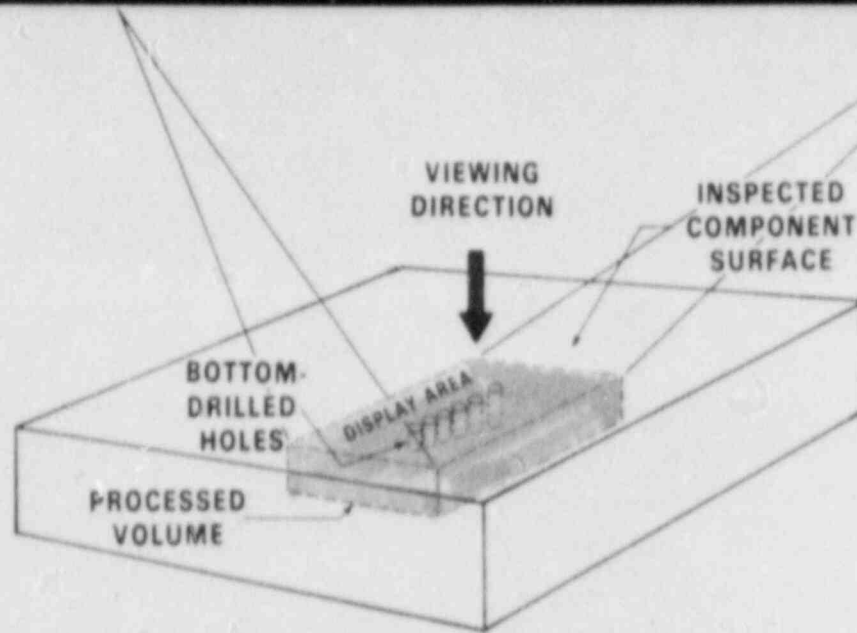
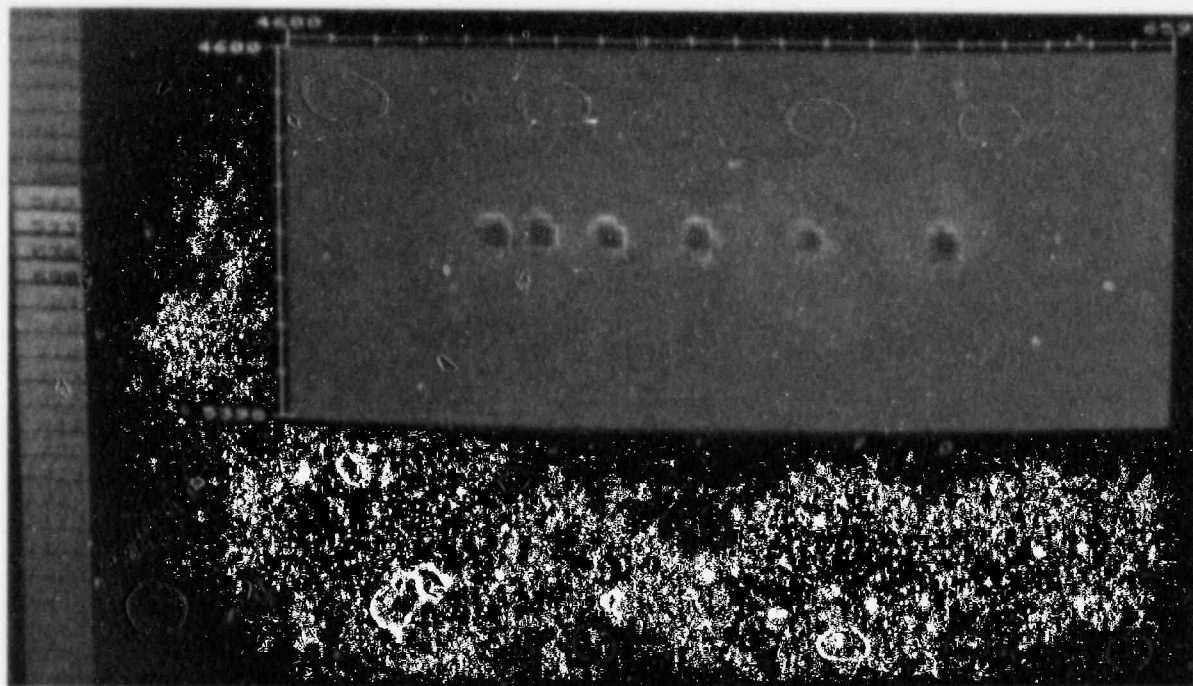
Prepared by: Pacific Northwest Laboratory

Date Published: March 1984

Instructions: The attached figures have been reprinted  
in color. Please replace the following  
pages: 63, 64, 65, 66, 67, 68, 69, and 70.

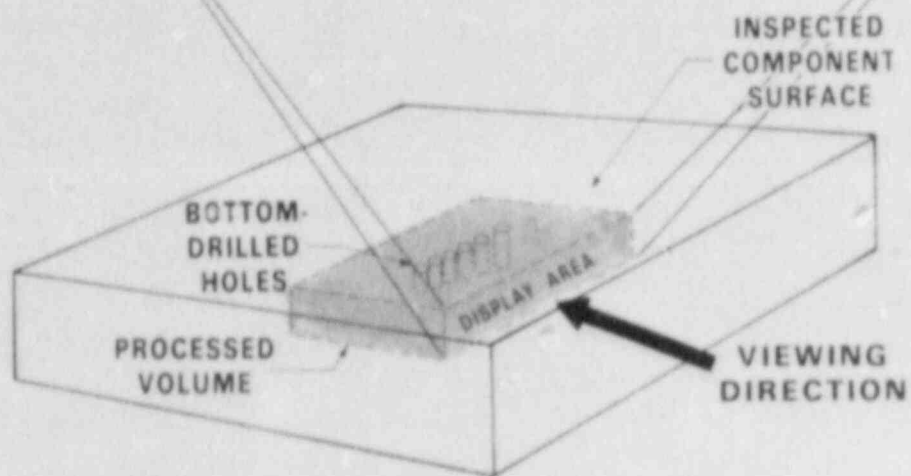
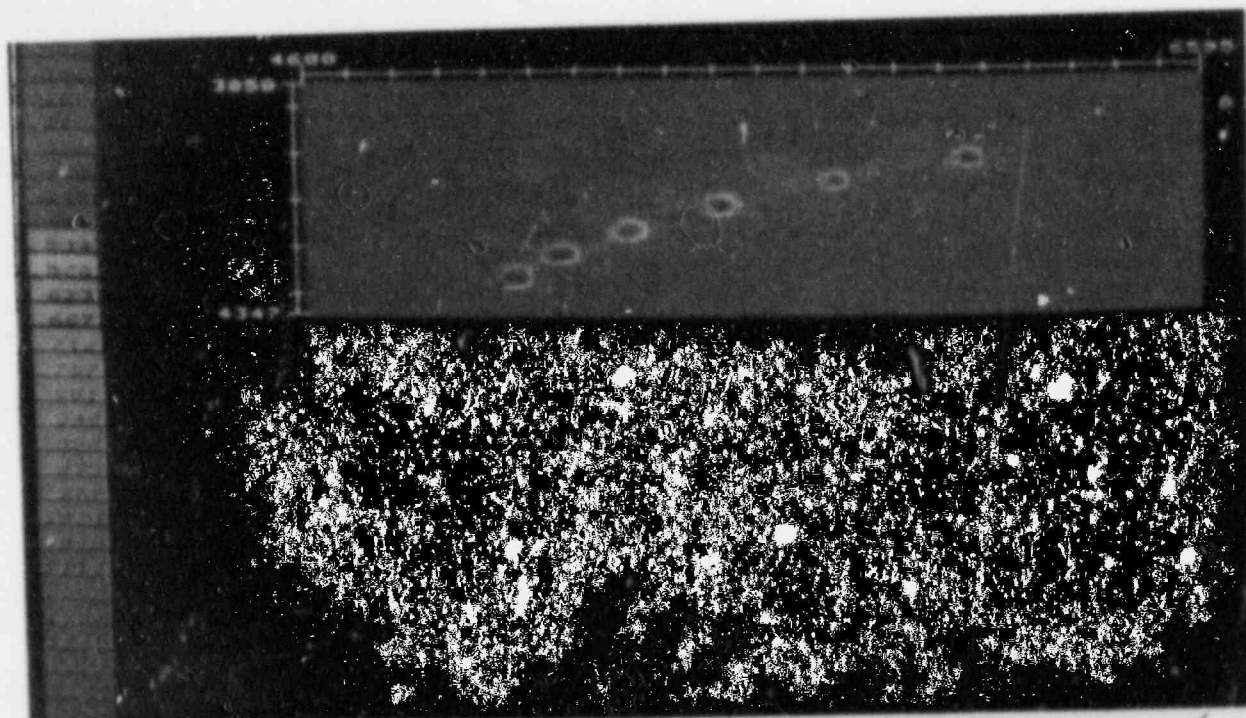
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**C-SCAN VIEW  
ALUMINUM TEST BLOCK WITH  
BOTTOM- DRILLED HOLES**

FIGURE 4.7. SAFT C-Scan Resolution Capability Demonstrated Using the SwRI SAFT Resolution Block (Figure courtesy of Southwest Research Institute)



**B-SCAN VIEW  
ALUMINUM TEST BLOCK WITH  
BOTTOM-DRILLED HOLES**

FIGURE 4.8. SAFT B-Scan Resolution Capability Demonstrated Using the SwRI SAFT Resolution Block (Figure courtesy of Southwest Research Institute)

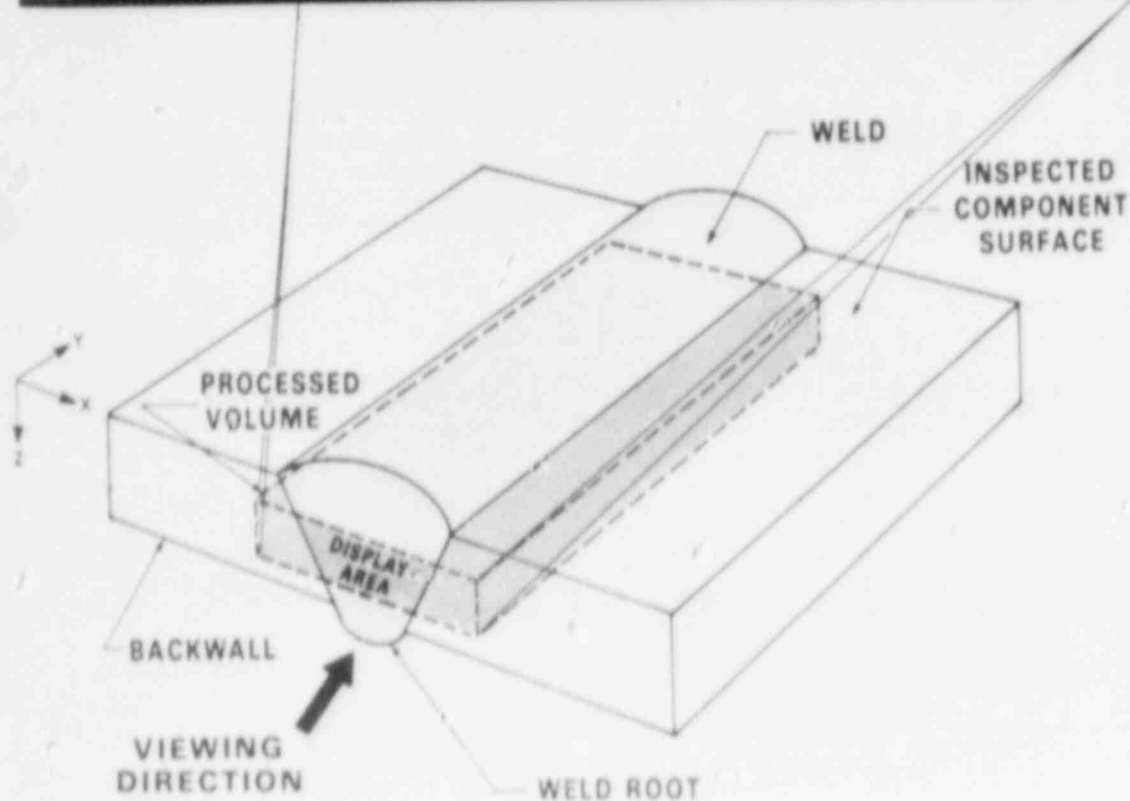
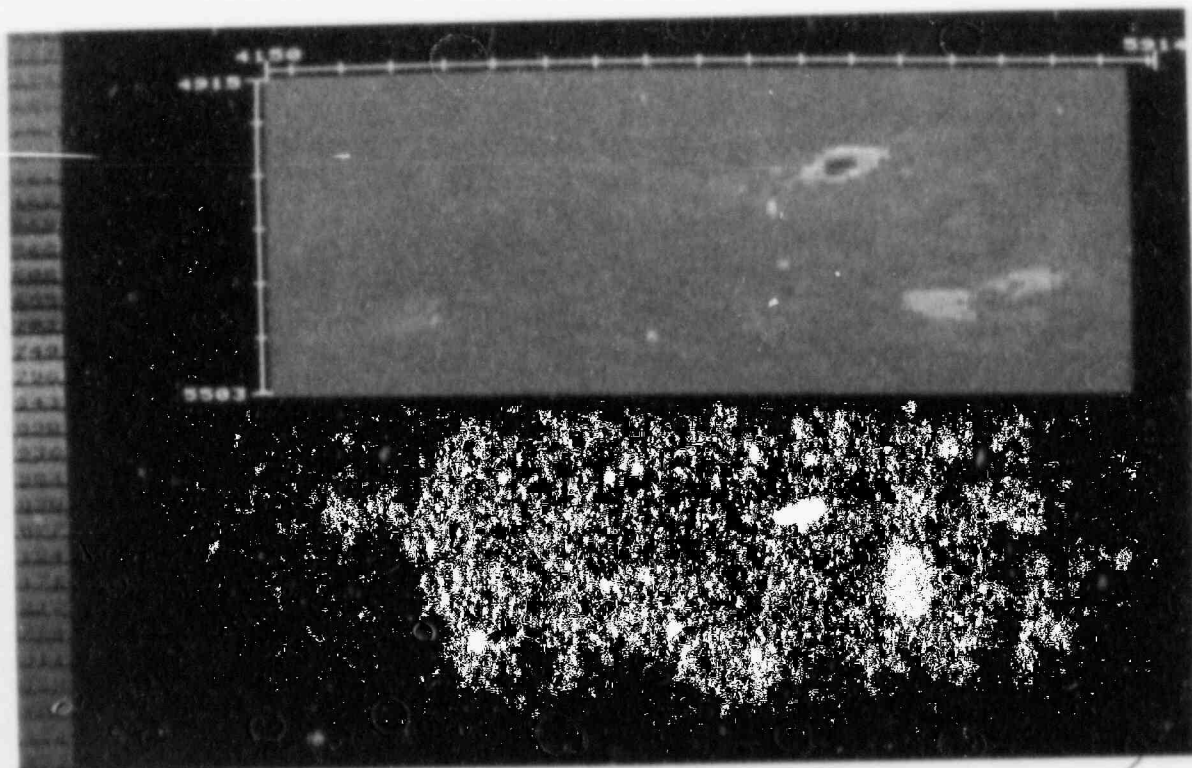


FIGURE 4.9. B-Scan Image of Slag Inclusion in a Butt-Welded Carbon Steel Plate (Figure courtesy of Southwest Research Institute)



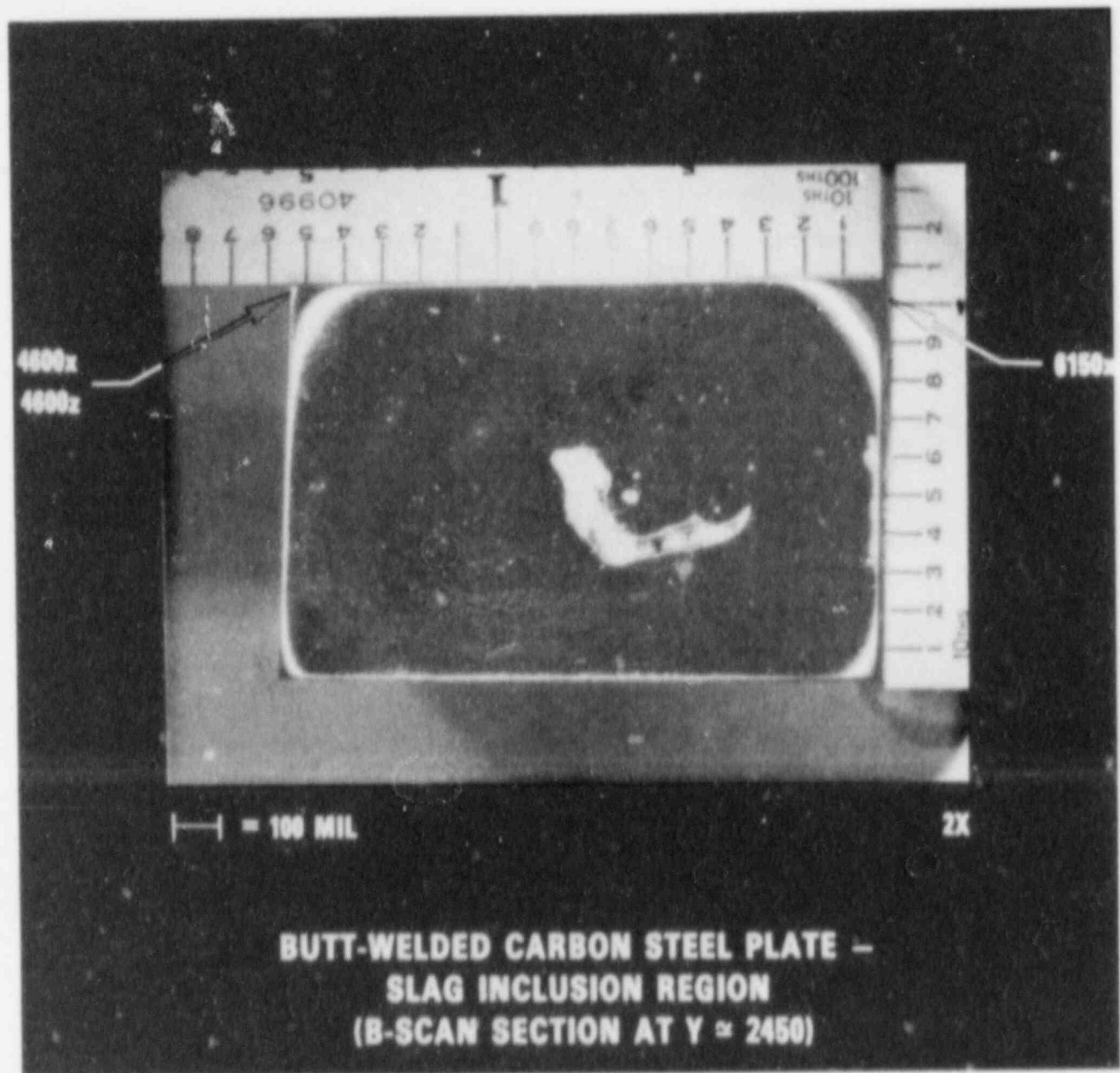


FIGURE 4.10. Optical Image of the Butt-Welded Carbon Steel Plate Sectioned through the Region Which was Imaged in Figure 4.9 (Figure courtesy of Southwest Research Institute)

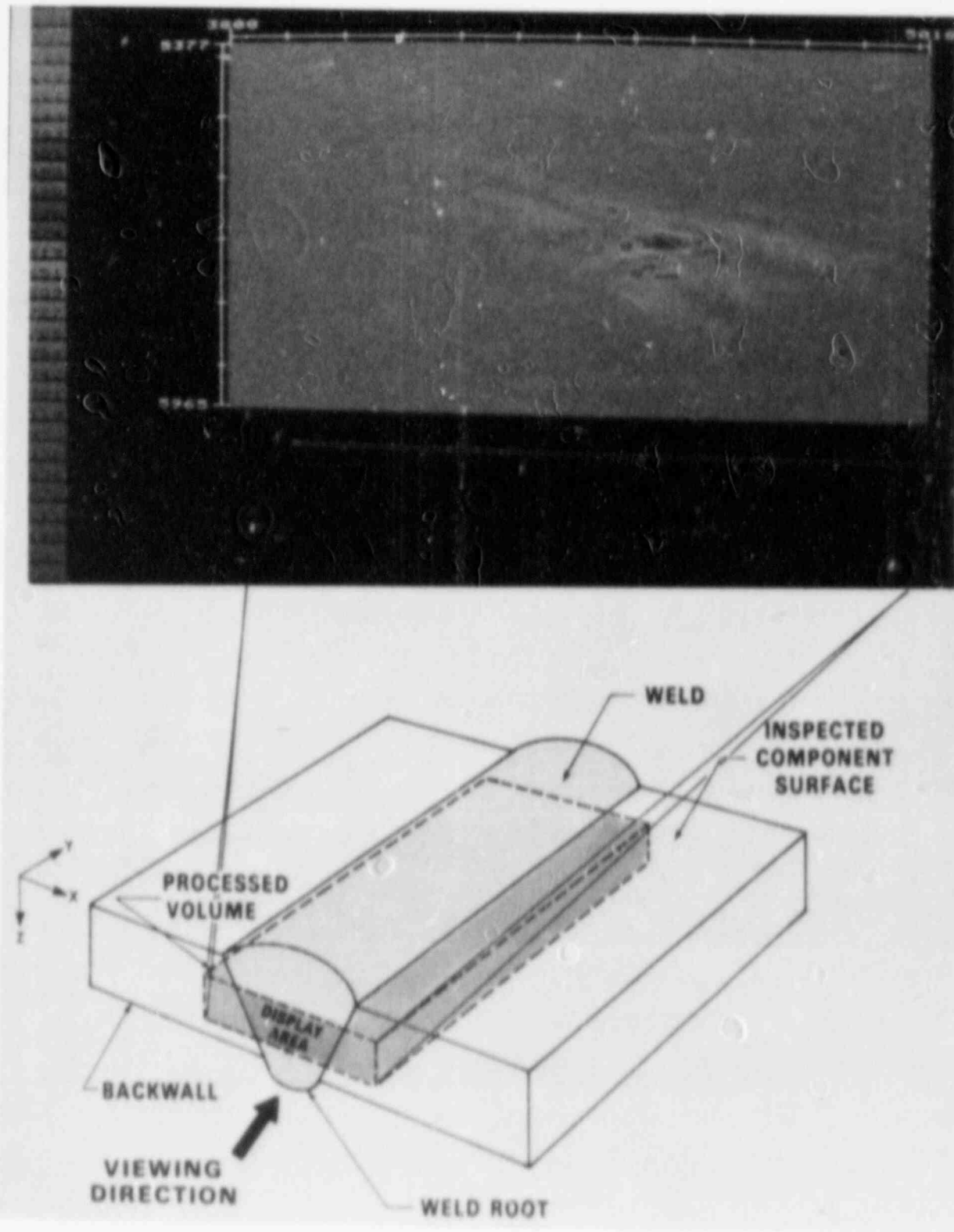


FIGURE 4.11. B-Scan Image of a Horizontally Oriented Crack in the Heat-Affected Zone of a Butt-Welded Carbon Steel Plate (Figure courtesy of Southwest Research Institute)

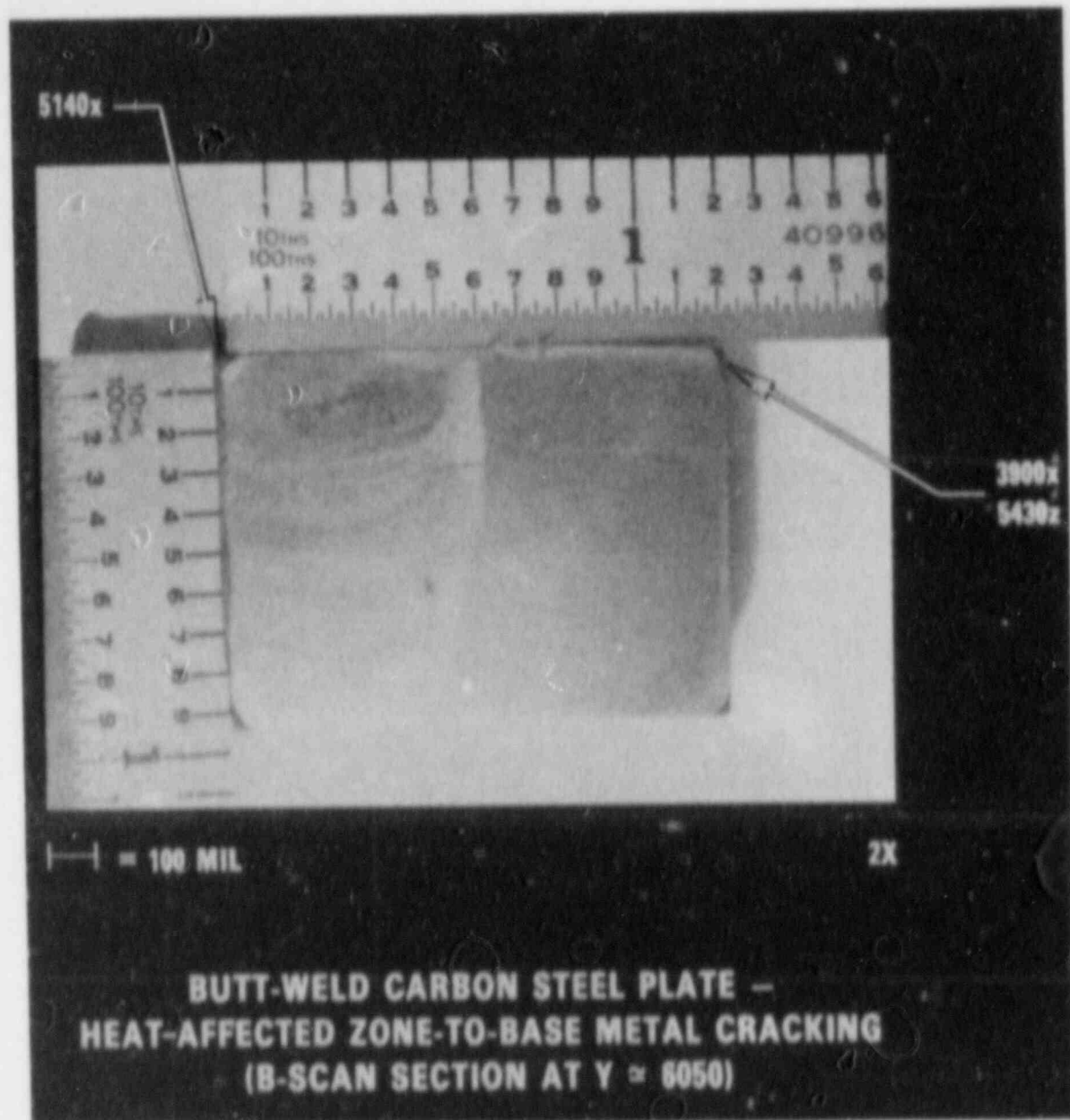


FIGURE 4.12. Optical Image of the Test Specimen Sectioned through the Region which was Imaged in Figure 4.11 (Figure courtesy of Southwest Research Institute)

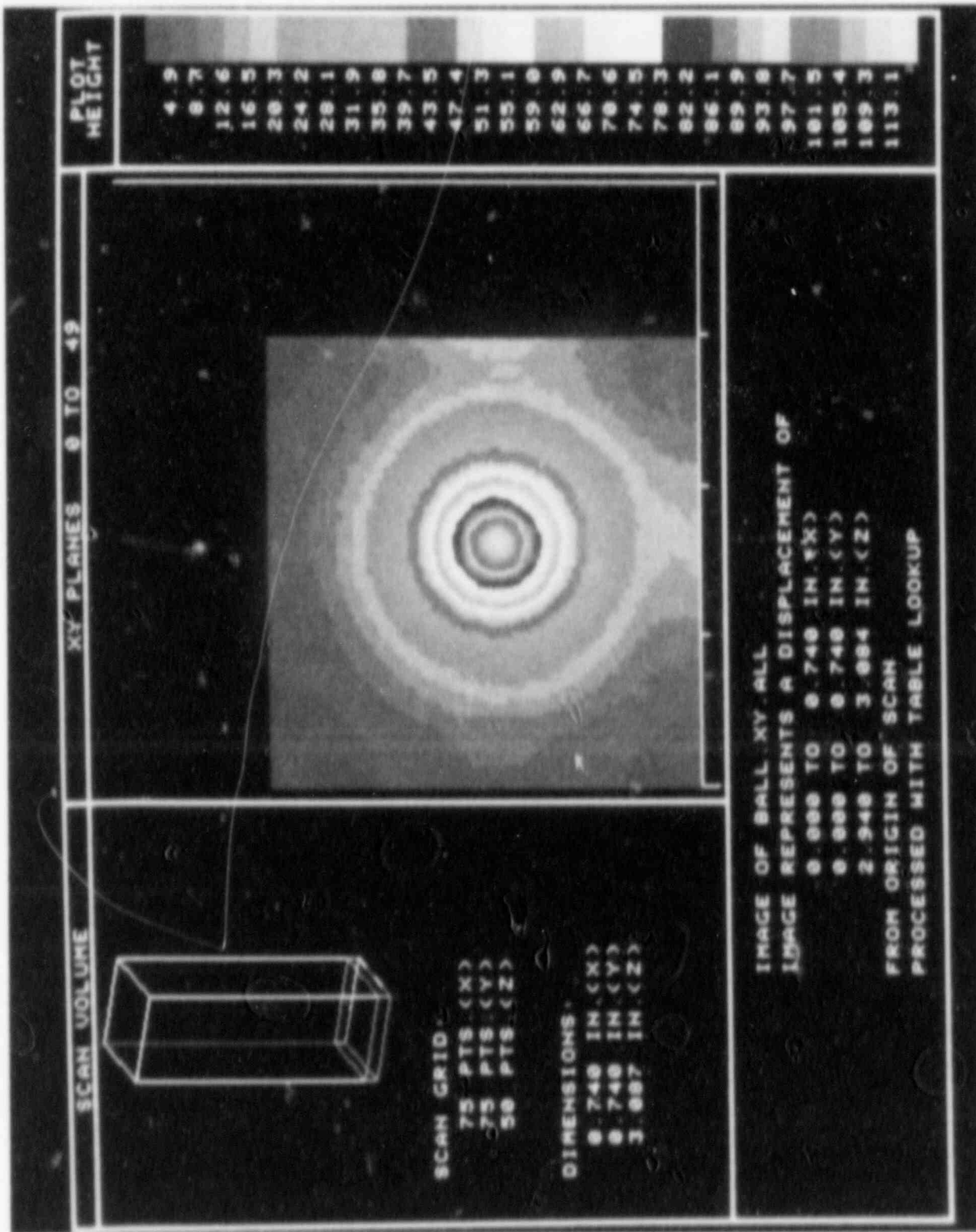


FIGURE 4.13. Pseudocolor Image of a Point Reflector Imaged in Water



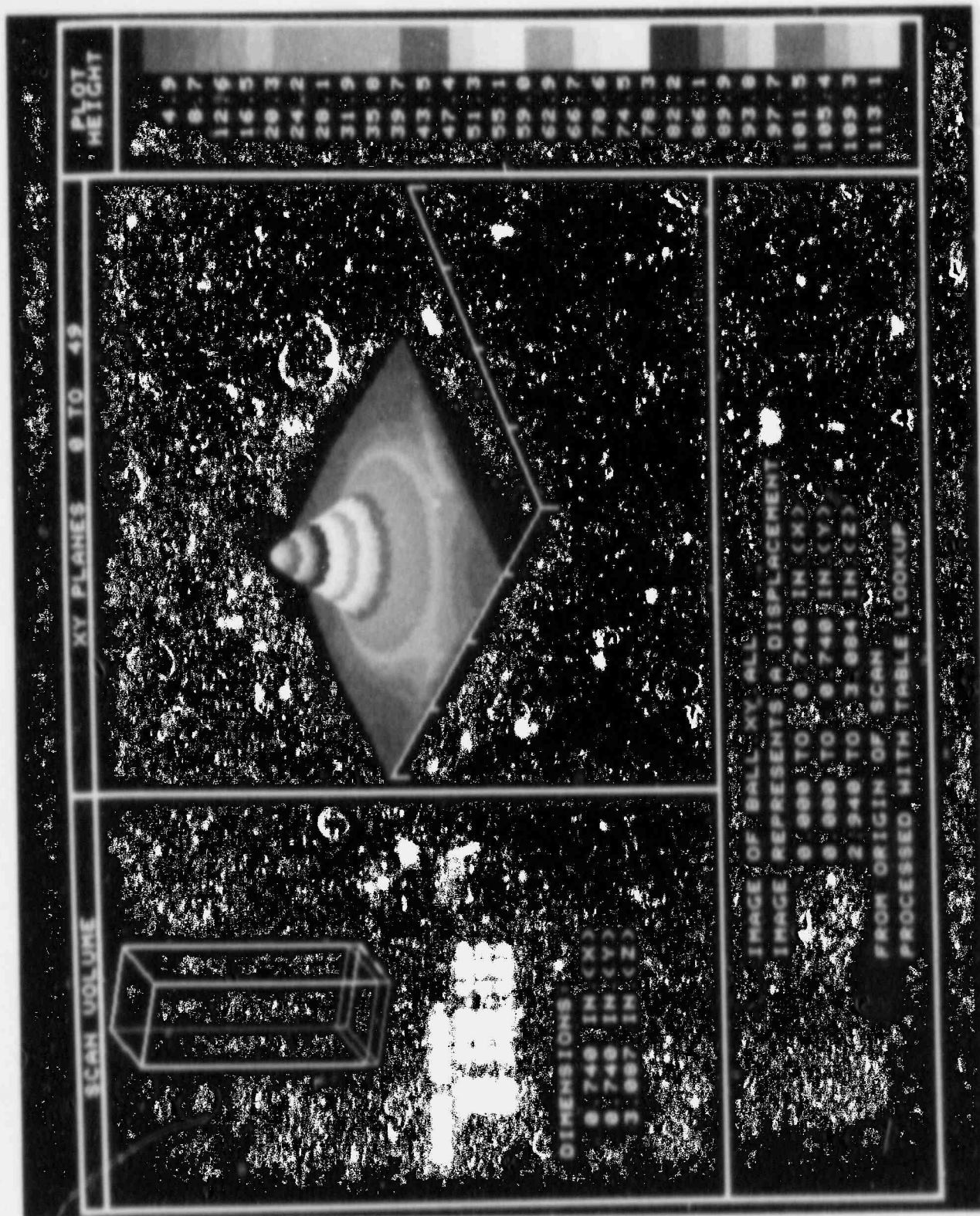


FIGURE 4.14. Perspective, Pseudocolor Image of a Point Reflector  
 Imaged in Water

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