EX 6 Dodd

From: <Doddcv@[redacted]
To: KP_DO.kp1_po(WLS),OWFN_DO.owf2_po(ELM)
Date: Wed, Jul 12, 2000 7:41 AM
Subject: Tube R2C5

W Schmidt

Wayne:
The noise signal on the tube looks somewhat like a defect looks in the Lissajous signal. The question an analyst has to decide is "Is this noise or a defect signal distorted by noise?" Later on in the tube, this signal becomes a definite defect. The answer that an analyst should conclude is that this test needs something to reduce the noise, because, with as much of this as is present on the tube, sooner or later we are going to miss something big and have a tube rupture.

The signal does look more like noise in one region of the scan and more like a defect in another region. There are regions that are "shades of gray" in this scan, which make this type of tube so hard to accurately profile.

You would need to check the Lissajous the entire length of the signal, which is about 10-inches. Even after checking it, you still cannot be completely sure. You would want to pressure test the tube to see if the signal changed. Only then could you really be sure.

This was actually done for some of the signals in the sludge pile. Some of the signals that everyone agreered were cracks turned out to be deposits. That's why I feel we need to work toward reducing the noise in the sludge pile region also.
Caius

CC: Ian Barnes [redacted] EX 6

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