



# U.S. CUSTOMS

TRADITION  
SERVICE  
HONOR

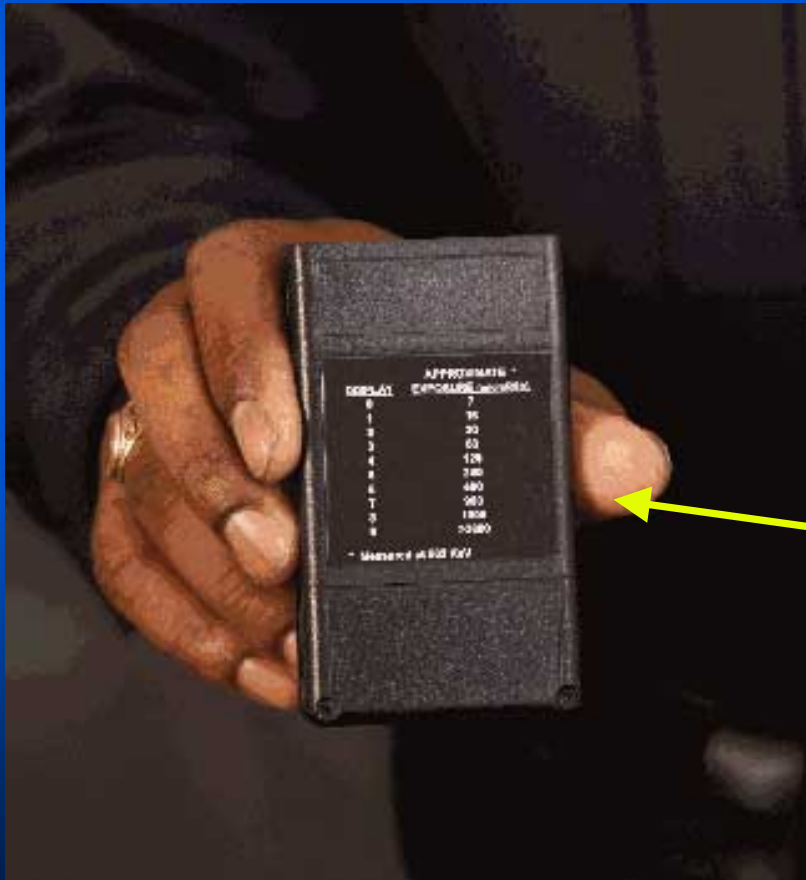
## Technology Application



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## Personal Radiation Detection (Pager)





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## Particle Detection System

## Vapor Detection System





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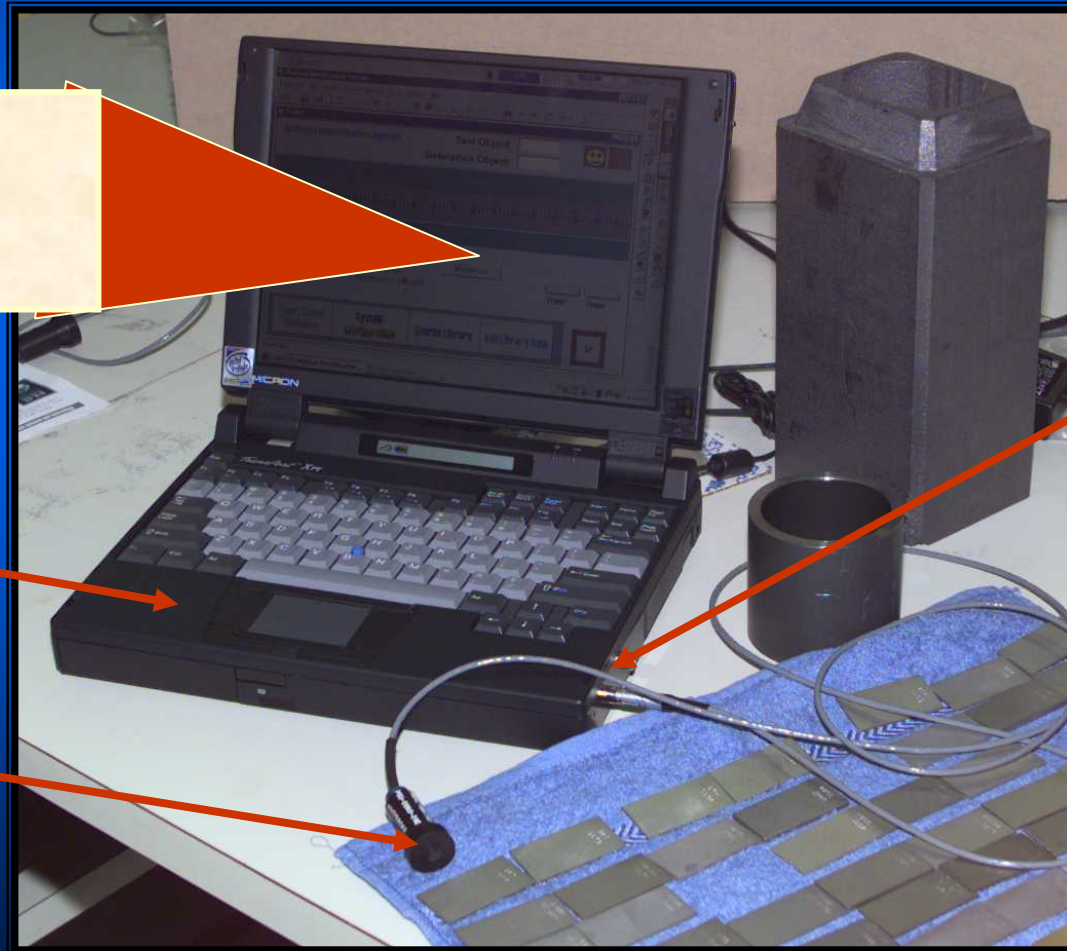
## Material Identification System

- Identify Materials
- Compare Materials
- Embedded References

Pentium  
Laptop

Probe

Instrument  
Card

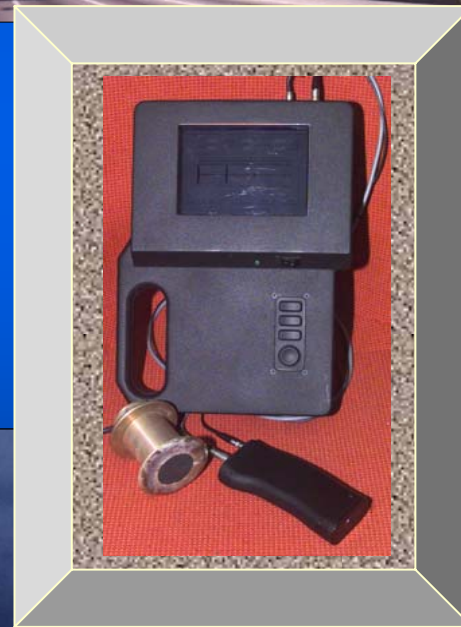




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## Ultrasonic Pulse Echo System

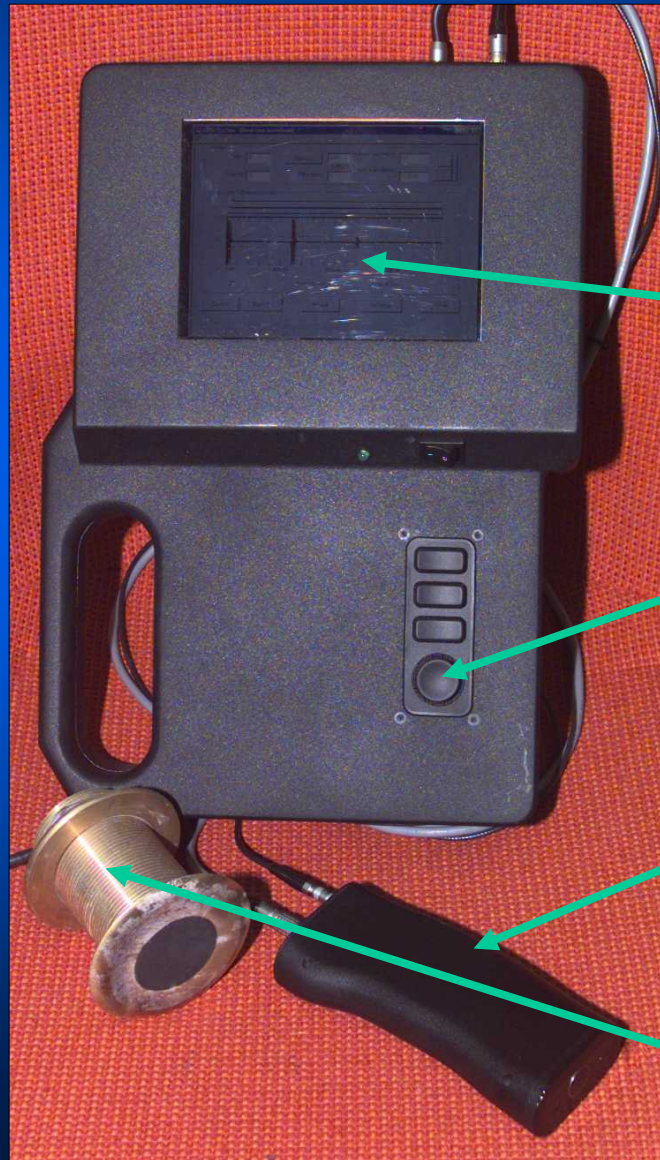




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## Ultrasonic Pulse Echo System



Control Unit  
LCD Screen

Mouse

Sensor Head with  
3.5 MHz Transducer

Auxiliary, Low Frequency  
0.12 MHz Transducer



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## X-ray Van





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## Fixed Truck X-ray





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## Mobile Truck X-ray

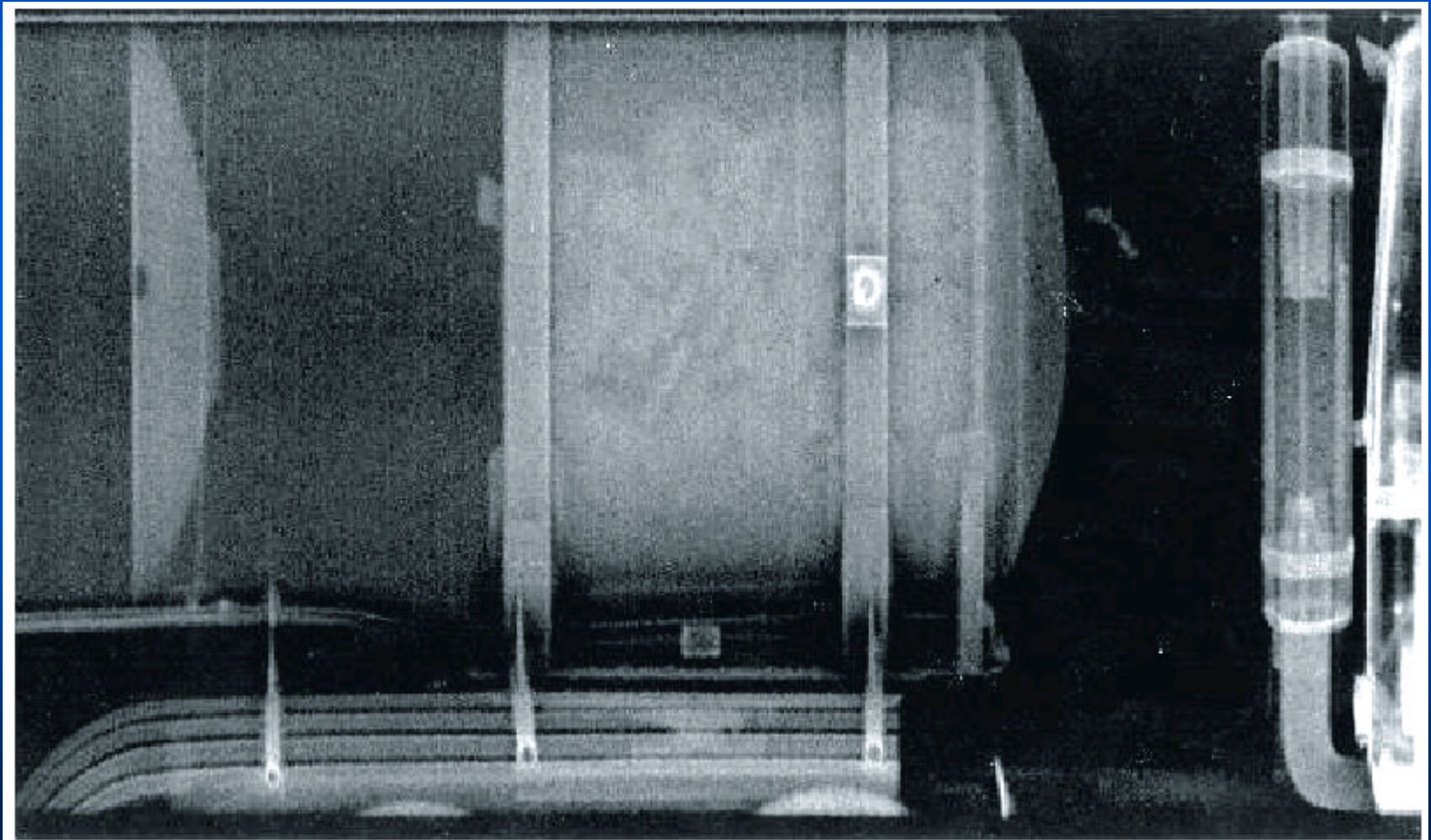




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## Interdiction X-ray





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## Mobile High Energy Container X-ray



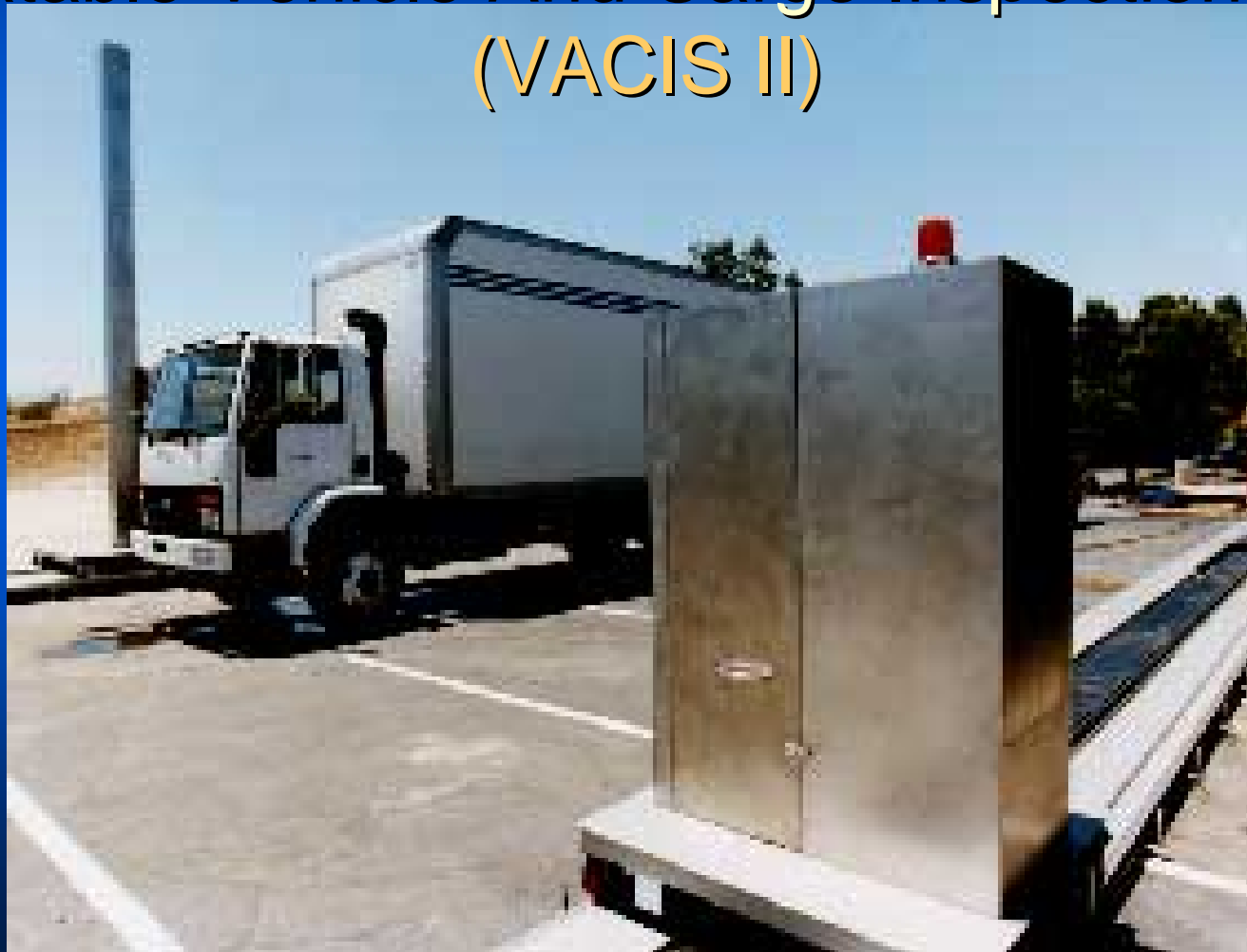


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## Relocatable Vehicle And Cargo Inspection System

(VACIS II)

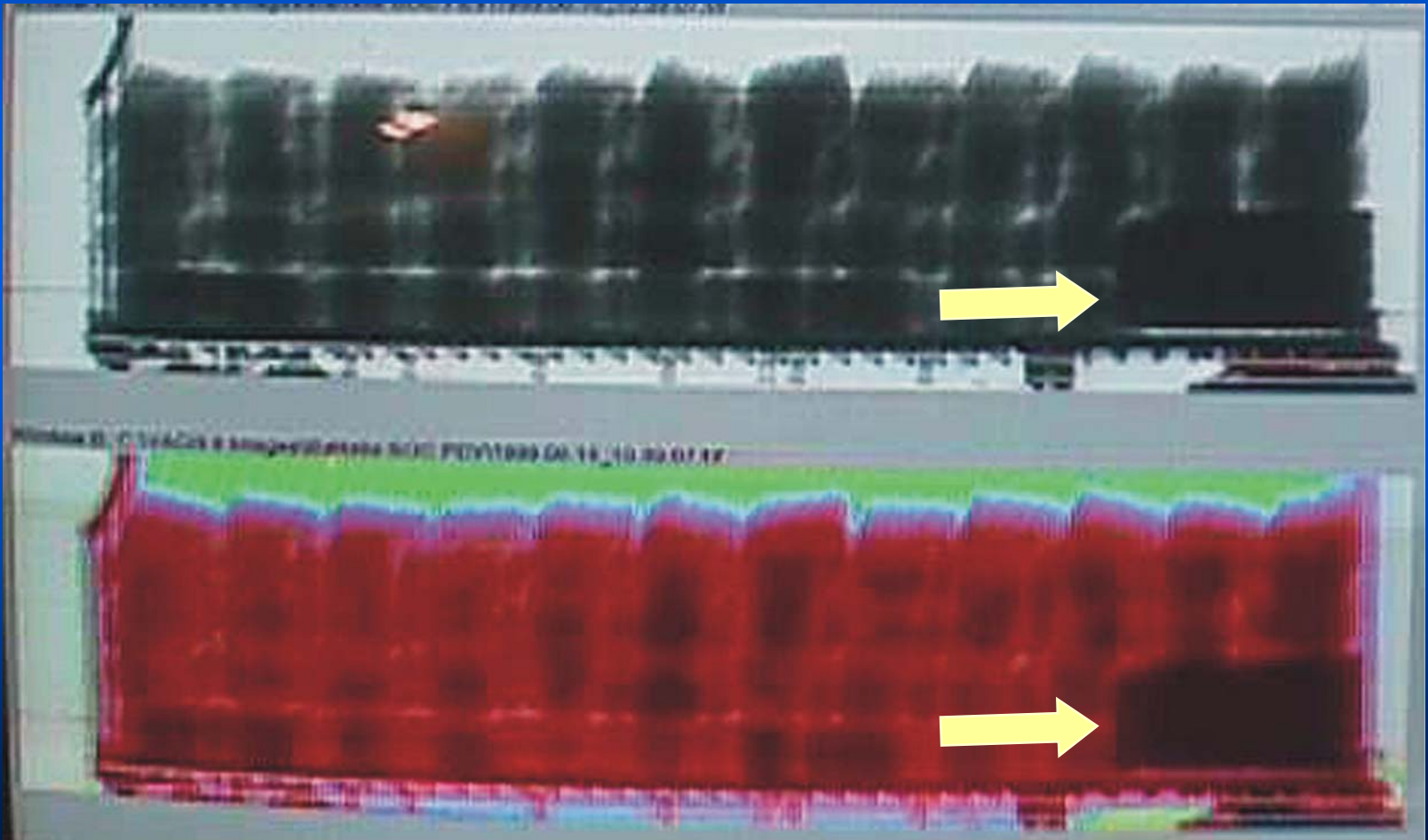




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Images showing anomalies

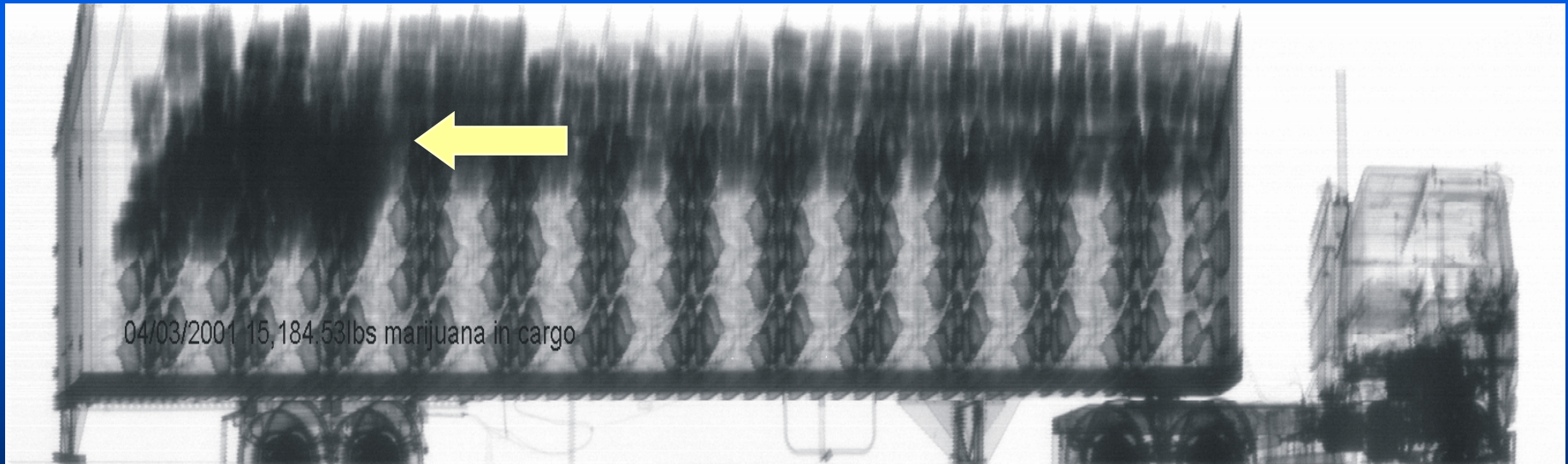




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## Images showing anomalies





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## Mobile Truck Gamma Imaging System

(Mobile VACIS)





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## Rail Gamma Imaging System

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(Rail VACIS)



*Photos courtesy of SAIC*



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## Pallet Gamma Imaging System (Pallet VACIS)

