

NASA NDE Program

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NDE Communications Group Meeting

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Arlington, VA

NASA NDE Program

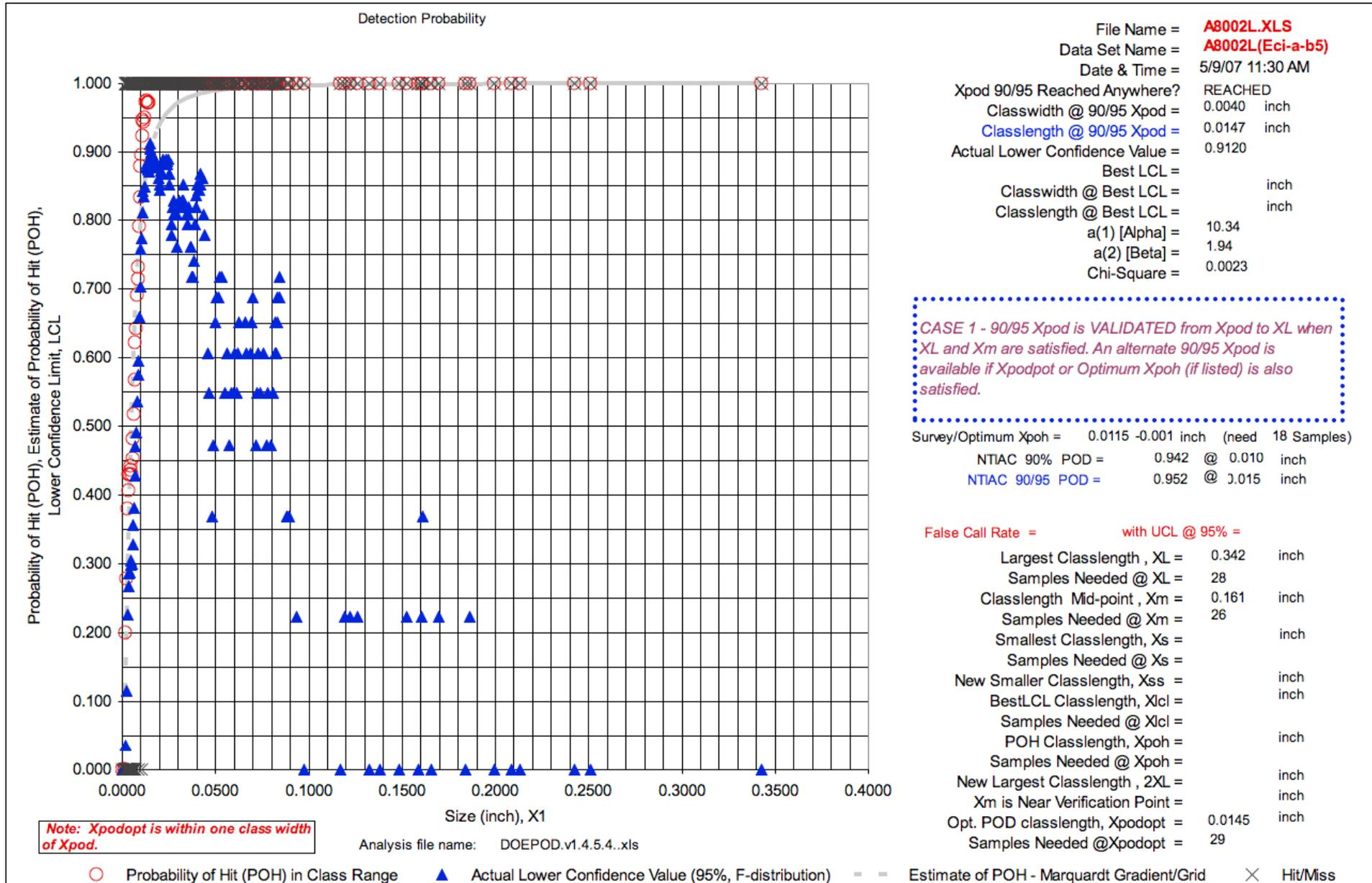
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| NNWG Newsletter |
| Electric Field Imaging for Wiring |
| Defect Depth Measurement Using White Light Interferometry |
| NDE Integrated into Advance COPV Manufacturing |
| Computational Simulations of On-orbit Thermography |
| Material Characterization in the Microwave and Millimeter Wave Bands |
| Micro-Focus Xray Computed Tomography for Exploration Component Inspections |
| Defect Standards for Nonmetallic Advanced Materials |
| Arc Weld NDE for Exploration Components with Emphasis on Portable Phased Array Ultrasonics |
| NDE for Space Shuttle Tiles |
| Carbon Composite Stress Rupture NDE Development |
| Real-time Digital Radiography Upgrade |
| Wireless Passive Corrosive Environment Sensors |
| Induction Thermography / Shearography of Composite Structures |
| In-Situ NDE Characterization of Composite Material Micromechanics and Composite Overwrapped Pressure Vessel Health Monitoring |
| Corrosion Under Paint and Hidden Areas |
| Fracture Critical POD Process Validation |

Nondestructive Evaluation Requirements for Fracture Critical Components

- NASA-STD- (I)- 5009 (public release 9/06)
 - NDE for life cycle planning,
 - document and configuration control,
 - record retention
 - procurement
 - use of POD
 - NDE capability
 - acceptance criteria
 - responsibilities
 - similarity
 - physical standards

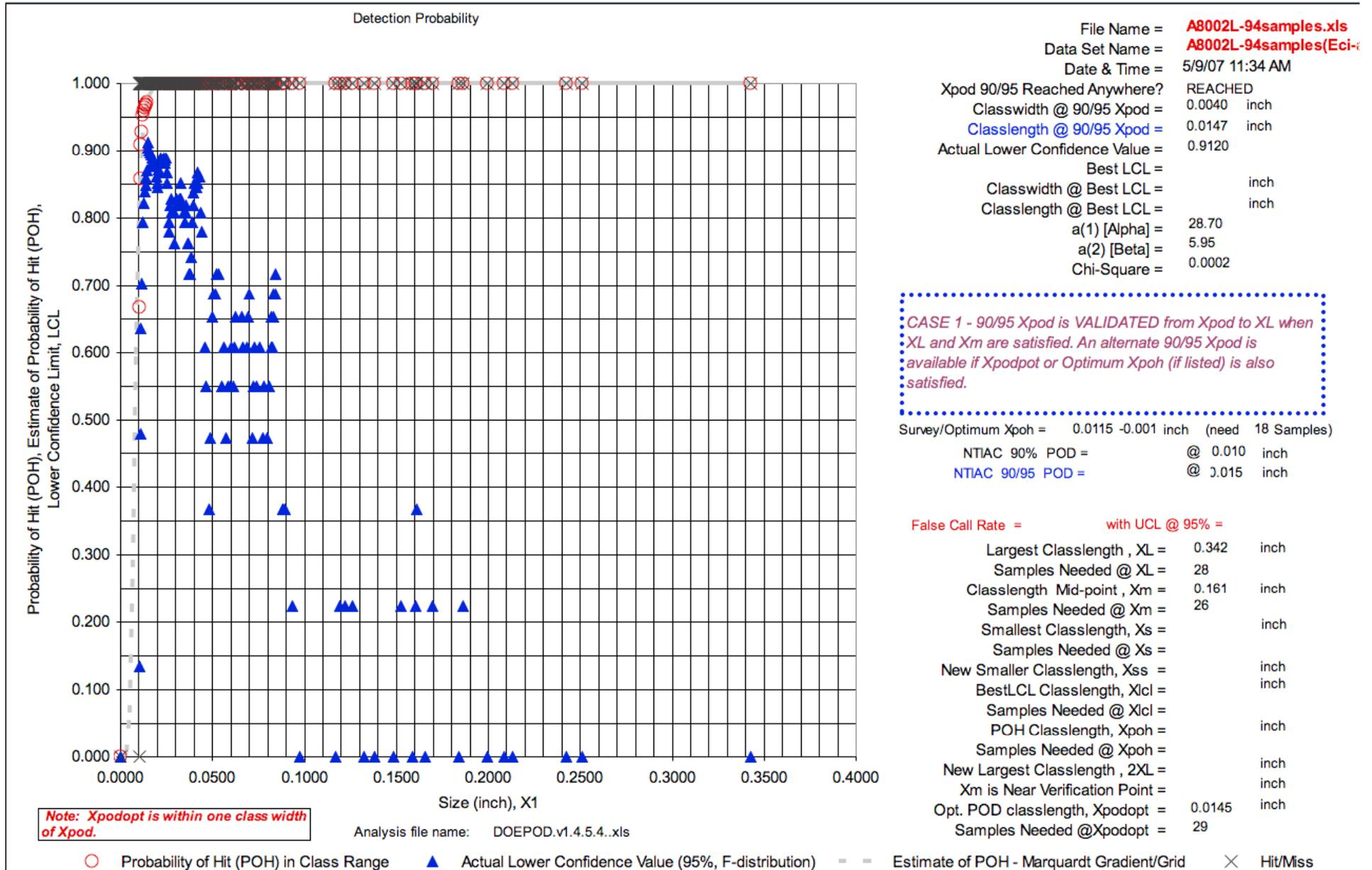
Directed Design of Experiments for Probability of Detection (DOEPOD)

A8002L data from NTIAC Capabilities Data Book, 1997



Directed Design of Experiments for Probability of Detection (DOEPOD)

Remove 94 samples from A8002L data



A8002L data from NTIAC Capabilities Data Book, 1997

