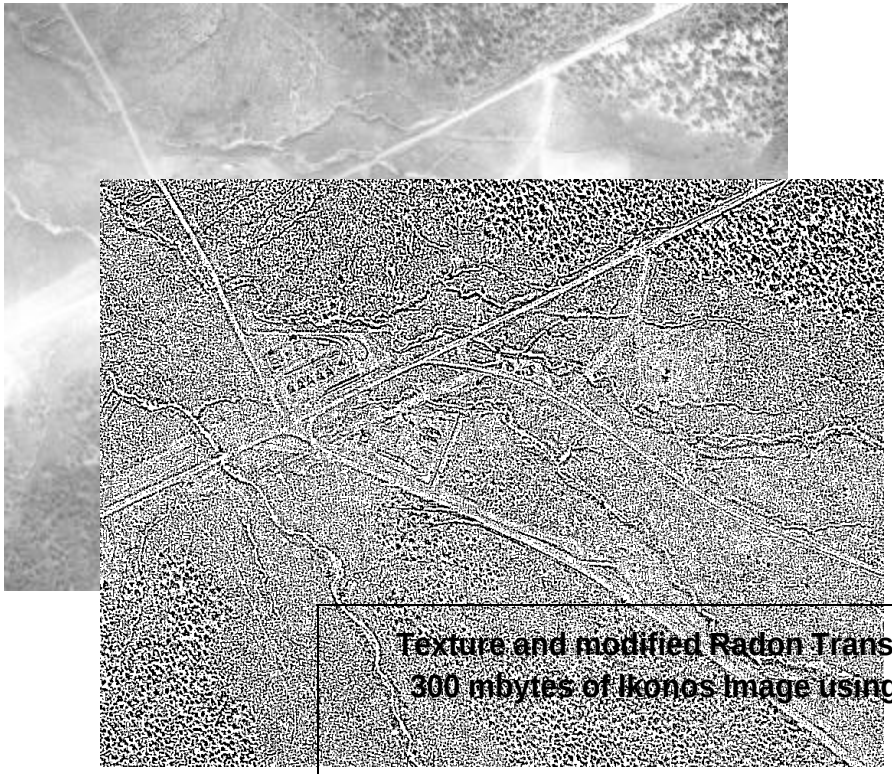
# Pilot-CSEI4 Highlight

EMSL, PNNL

IKONOS Satellite Image Subset



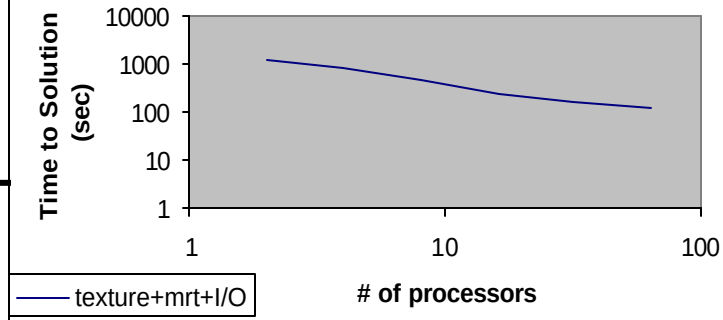
## *A Parallel Computational Environment for Imaging Science (PiCEIS)*

G Fann, B Moon, E Jurrus, D Jones, K Perrine and G He

New methods are being developed on the Computational Sciences and Engineering Initiative to improve the parallel performance of image processing algorithms. One of the key algorithms used in image processing research at PNNL is based on G. He's Comparative Information Theory.

PiCEIS provides a parallel environment to perform the CIT Texture algorithm and other imaging processing tasks on massively parallel as well as cluster computers.

**Texture and modified Radon Transform of a 300 mbytes of Ikonos Image using IBM SP**






EMSL UP # 2243