August 8, 2005

To: Richard Chamberlin
Technical Manager
Caltech Submillimeter Observatory
Hilo, Hawaii

From: John H. Crawford
Intel Fellow
Digital Enterprise Group

Re: Support of Intel's RADAR program

Dear Richard,

I would like to thank you, and the Caltech Hilo team, for the support of our RADAR high altitude research program. The program allowed us to place a rack of computing equipment at your high-altitude site to study the detection, correction and reporting of errors within a computer platform, especially errors caused by high-energy neutrons. The high altitude location enabled us run this program at a significantly accelerated rate in comparison to a sea-level location, since the neutron flux at your altitude is significantly higher than at sea level. This allowed us to get field data from a modest sized system in a reasonable time, to complement highly-accelerated data from high-flux artificial neutron beams. The results we obtained allowed us to calibrate our models and simulations, and to help determine where we should technically advance our platform architecture.

The support your team provided to us was invaluable to the success of this remote experiment. Jeff Demain, our lead researcher on this RADAR program, was very appreciative of the support you provided throughout this project. He consistently reported that you and your team were always ready and willing to assist with our implementation and operational needs.

Sincerely,

John H. Crawford
Intel Fellow
Digital Enterprise Group
Intel Corp.