

From: Jeremy Grata
To: <pasumarthy_krishna@adtranzna.com>
Date: Fri, Jul 9, 1999 1:44 PM
Subject: some requirements

I was thinking about your request for my software requirements. That's tough since my requirements change based on the application, but I can tell you some of the things I'd like to be able to see easily incorporated into the software if needed. Ofcourse, there's the fast data acquisition. I'd like to be able to have this option with variable averaging and unlimited storage (so that I can acquire large amounts of data). I would also like to be able to program my own data acquisition sequence (similar to what we did with the profiling software, but with more versatility). In programming my own sequences, I'd like to be able to mix and match fast data acquisition with regular data acquisition (say something like acquire regular refs and fast skin all in one sequence). I would also like to be able to have other options during data acquisition in the lab. You probably remember the milk/cuvette testing. I'd like to be able to have the machine monitor the spectra so that it doesn't acquire data until the sample spectra have stabilized. Also, I'd love it if I could select a pixel and watch the settling occur in realtime (say through the LCD or PC monitor) as I would on an oscilloscope. I would also like to be able to see spectra displayed on the screen in realtime as well. Another thing I'd like to be able to do is to have an external input trigger data acquisition. What I'm thinking about is further down the road regarding the milk testing. I'm thinking that once we get the milk testing down to a sequence we like manually, we'd probably want to automate it. This would require that the machine accept input from the sample changing device to trigger data acquisition. I'm not sure yet exactly how that'd be, but I'd like to see some kind of accomodation for that.

That's about it for now ... if I think of anything else, I'll let you know.

jer

ps ... you should have been here today ... I made cinnamon buns ... mmmmmmmmm

CC: Jeremy Grata