Subject: Re: Philips Gyroscan ACS-NT: Raw data format
Posted by Struan Gray on Mon, 23 Aug 1999 07:00:00 GMT

View Forum Message <> Reply to Message

Jonas, jonas_2@hotmail.com writes:

> As I see it there is three possibilites:
> interleaved for each pixel
> interleaved for each image
> interleaved for the whole volume
> Phew, I have some serious trial and error in front of me...

    There's row interleaving too. :-)

 One trick that will cut down on trial and error is to treat the
datafile as if it were a time series of type BYTE. If you do an FFT
and display the power spectrum the interleaving often shows up as
peaks at the relevant byte spacing, and for most image data the number
of bytes per pixel is also pretty obvious.

 The next step is to vary the offset into the file while plotting
the 'image' on screen until something recognisable appears. This can
also be automated by looking for correlations in the second and third
dimension, but the process can be fooled if there is a lot of
periodicity in the data so unless you have a lot of files with
different structures it is usually just as fast to go with trial and
error.

Struan