
Subject: Re: Philips Gyroscan ACS-NT: Raw data format

Posted by [Mike Smith](#) on Fri, 20 Aug 1999 07:00:00 GMT

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Jonas <jonas_2@hotmail.com> wrote in message

news:7pj827\$55u\$1@news.lth.se...

> I have some MR image raw data exported from a Philips Gyroscan ACS-NT MRI
> scanner.

> I have never worked with images from Philips MR scanners before, therefore
> having trouble opening the images. Has anyone out there any experience of
> the file format used?

> The images are acquired using a 3-D sequence and the whole image volume
(50

> images) are stored in one single file, 42,025,472 bytes large.

> I do not really understand the size of the file, since the images have a
> resolution of 256*256, and I suppose that each pixel is a complex number
> (4+4 byte), i.e. the file size should be 256*256*8*50+header =
> 26,214,400+header byte. A 16 MB large header???

I know nothing about this file format, but 42025472 divided by 50 divided by
65536 (the number of pixels per slice) yields 12.82515625 bytes per pixel.

I'm guessing this is really 12 bytes per pixel, plus the header (actually,
this ends up leaving 2703872 bytes for the header, so I'm not sure this is
right either). How the 12 bytes are used is beyond me. A pair of
Pascal-style 6-byte reals, maybe?

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Mike Smith. No, the other one.
