
Subject: Re: Fractional Pixels Origin?

Posted by [Greg Hennessy](#) on Fri, 17 Feb 2006 04:20:03 GMT

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On 2006-02-17, David Fanning <davidf@dfanning.com> wrote:

> I thought Wayne was saying that the center of the first
> pixel was at [0,0], which would mean the pixel spanned
> the distance (on my ruler) of -0.5 to 0.5. JD seems to
> contradict this.

Well, Wayne is right in that FITS convention says [1,1] is the center of the pixel. JD argues that saying [0.5,0.5] makes sense, and likens it to a ruler.

It comes down to history. If you do arrays like Fortran, you say that [1,1] is the center of the pixel. Fortran programmers say the new millennium started in 2001.

C programmers say the center of the pixel is [0.5,0.5], and that the millennium started in 2000.
