

---

Subject: Re: AVHRR Image Mapping Problem

Posted by [Richard French](#) on Mon, 18 Dec 2006 02:46:44 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

On 12/17/06 3:36 PM, in article MPG.1fef584c7fc06f23989e53@news.frii.com, "David Fanning" <news@dfanning.com> wrote:

> I wouldn't be too hard on iMap. I believe now the problem  
> isn't an IDL problem at all. I think the center of  
> the pixels is just NOT what the documentation says they  
> are.

David,

If one trusted the data headers from Hubble Space Telescope images as a guide to where the spacecraft was actually pointed, one would be up to 10 pixels off - that's because what's listed in the header is where they expected to be pointing, not a reconstructed view of where they were actually pointing. The same is true of Cassini images of Saturn. I don't know about Earth-pointing satellites, but unless one has done some pretty accurate post-image checking, it is not obvious to me that the header information for such an image would have anything other than the predicted location of the image, and you need to find out from experience (or preferably from the spacecraft/instrument teams) what the actual pointing performance is likely to be. Two pixels sounds like reasonable jitter if it is a predicted pointing location.

Dick French

---