Subject: Re: SSW Coordinate Conversions Posted by Steve[5] on Fri, 30 Apr 2010 10:24:31 GMT

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## Aram Panasenco wrote:

- > I have been trying to do this... for a while. How can I use SolarSoft to
- > convert cartesian coordinates to solar spherical coordinates and back
- > (accounting for the sub-observation plane angle)? I have tried using
- > functions like CNVT COORD, HEL2ARCMIN, and others, but I just can't
- > understand what the hell is it that they do (The documentation doesn't
- > help. At all.)

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> Please help

>

> ~Aram Panasenco

Working with the HI imager on STEREO data we do...

wcs=fitshead2wcs(fitsheader)
help,wcs,/struct ; coord\_type is helioprojective cartesian
coord=wcs\_get\_coord(wcs)

gives the positions of all pixels in the image as a 2\*n\*m array

we can also do...

wcs=fitshead2wcs(fitsheader,system='a') and get coordinates is celestial-equatorial

Steve