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 AHELP for CIAO 3.4

## ds9\_put\_wcs

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### Synopsis

Apply WCS to displayed image, using raw numeric or string values

### Syntax

```
ds9_put_wcs( crpix, crval, cdelt )
ds9_put_wcs( crpix, crval, cdelt [, ctype, cunit, alternate_axis_char,
handle ] )
```

### Description

Generate a set of FITS world-coordinate system header keywords from the given inputs, and transmit them to DS9 for application to the current image frame, replacing any previous WCS keywords of the same name.

Here `crpix`, `cdelt`, `ctype`, and `cunit` inputs will generally be arrays of length two, with the first three being of `Float_Type` and last two of `String_Type`. The first element of each array will be used to construct a set of WCS transform keywords for the first image axis, and likewise the set of second elements will apply to the second image axis. If `crpix` is not an array, or is only of length 1, keywords for the second image axis will be generated from FITS-conformant default values.

### NOTES

The `alternate_axis_char` is reserved for future use and is currently ignored.

### See Also

*ds9*

[ds9 center](#), [ds9 clear](#), [ds9 get array](#), [ds9 get cmap](#), [ds9 get coords](#), [ds9 get crosshair](#), [ds9 get file](#), [ds9 get regions](#), [ds9 get scale](#), [ds9 get zoom](#), [ds9 launch](#), [ds9 pan](#), [ds9 put array](#), [ds9 put crosshair](#), [ds9 put file](#), [ds9 put regions](#), [ds9 put wcs keys](#), [ds9 put wcs struct](#), [ds9 quit](#), [ds9 set cmap](#), [ds9 set scale](#), [ds9 set zoom](#), [ds9 view](#)

*modules*

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URL:  
[http://cxc.harvard.edu/ciao3.4/slds9\\_put\\_wcs.html](http://cxc.harvard.edu/ciao3.4/slds9_put_wcs.html)  
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