# CATALOGS How to Format Data from the USNO

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BRIEF



#### Overview

This presentation follows "How to Request Data from the USNO. Once you receive the historical data for your selected Double Star, use this lesson to format your data for review.

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## 3. Historical Data Raw File

- When you open this file, it will appear in Notepad, or whatever application you use to ready ASCII text.
- As you can see below, the information is scattered and unusable in this format. Trying to format in Notepad will not work. We will use Microsoft Word.

🔄 wds17017-3322 - Notepad
File Edit Format View Help
USNO Double Star data for WDS 17017-3322Note: the data request software was rewritten in June 2012, following a reformat of the WDS database, Please see thenew datarequest.key file for a description of file contents. This effort is still ongoing; your comments regardingformat, errors, or missing information are welcome. MEASURES:HO 41048 1892 1998 9 349 347 8.8 9.4 7.21 12.6 A2 +008H099 - 3311657 170143.46-332159.4 1892.03 348.9 8.79 7. 12.7 0.5 2 Ho 1894b Ma 0 1894b Ma 13 347.7
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1927sdsc.book cited in SDS (Southern Double Star Cat.). 1927 TMA2003 2MASS Catalog
2MASS Point Src Cat., 2003 all-sky release (http://pegasus.phast.umass.edu/) (Note: 2MASS photometry also added by cataloguer to 2MASS astrometry published
under other references.) UC 2013b Hartkopf, W.I., Mason, B.D., Finch, C.T., Zacharias, N., Wycoff, G.L., & Hsu, D. 2013AJ14676H AJ
146, 76, 2013 (UC 301 - 5058) (Relative astrometry is derived from individual measurements, not precessed means. UCAC aperture
magnitudes are listed, unless the duplicity flag indicates a blended image (a flag value of 30 or higher). Model fit magnitudes are given for both components if either has
such a flag. Model fit magnitudes are indicated by the letter "f" following the filter information. APASS photometry extracted from
UCAC4 catalog is listed under reference AAV2012. Due to aperture method used, APASS photometry is only included for pairs wider than 10" (Henden, private comm.) Photometry
for pairs wider than 10" which showed identical values for both components in all filters were removed, as well. WFC1998 Urban, S.E., Corbin, T.E., Wycoff, G.L., Martin, J.C.,
Jackson, E.S., 1998AJ115.12120 Zacharlas, M.I., & Hall, D.M. AJ 115, 1212, 1998 (Astrographic Cat. 2000)



- 4. In the window, either use EDIT SELECT ALL or using the keyboard type CTRL+A
- 5. In the Edit menu, select COPY, or using your keyboard type CTRL+C
- 6. Open Word.

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- 7. Using the Edit menu, select Paste, or using your keyboard type CTRL+V
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  - It is almost formatted, but not quite



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	1998.52 6.405 0.040 10.610 0.108 1633 160 1.3 1 TMA2003 E2 7	under other references.)
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	HO 410AC 1892 1999 4 246 243 29.7 28.7 7.21 12.5 AZ +003+007-014+012 170143.46-332159.4	AJ 146, 76, 2013 (JUC 301 - 5058) (Relative astrometry is derived from individual measurements, not precessed means.
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Page 1 of 3 574 words		

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17. The window will change to look like the below. Everything is now formatted and fits to scale.

• The next lesson will break down how to read this data. NOTE: it appears very difficult, but we will walk through it.

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## Summary

The data as it is received from the WDS is not in a useful format. This guide provides you with one way to format it into a readable property.

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# **Questions?**

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