Preparing Manuscripts for the VSOP Symposium

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Abstract

VLBI Space Observatory Programme (VSOP) Symposium papers should start with a short abstract outlining the contents and conclusions of the paper. Remember to define all acronyms when they are first used: although it should be obvious within the proceedings what VSOP stands for, if the paper is submitted to a preprint server it should be able to be read independently and still be comprehensible.

1 Introduction

This is the template file for papers for the proceedings of the first VSOP symposium. It may be useful to print out a copy of the resulting postscript file for comparison with the original text when editing this template file.

Define acronyms when they are first used (with the exceptions of HALCA and VLBI – the expansions of which need not be given). Also, recall that the space VLBI data you will probably be describing are from VSOP observations made with a ground array and the HALCA satellite – not from HALCA observations, which refers to the satellite alone! Authors will need to supply their LaTeX file and any postscript figures as well as their final postscript document: further details will be provided at the meeting. Proceedings will not be refereed, but some interaction with authors over slight editorial changes may be required in some instances. Invited papers can be up to 8 pages long; contributed talks and posters up to 4 pages long.

2 References in the text

References should be cited as in the following examples. A single author paper is straightforward (Reber 1940). Two authors is no more difficult

(Baade and Minkowski 1954). For three or more authors list on the first, followed by `\etal\` (Hirabayashi et al. 1998). Note that the second backslash is followed by a blank space. Naturally, references can be included in the flow of sentences as Hirabayashi et al. (1998), amongst others, have demonstrated.

3 Symbols, units, tables and figures

In this section the methods for displaying symbols, units, tables and figures are described. Generally, any standard LaTeX command may be used. Do not define your own additional commands or macros!

3.1 Symbols and units

When used in the text, mathematical symbols should be used in math mode, so that the mass, M, appears like this. Units should appear in the standard font, i.e. they should not be italicized or placed in math mode. For example, in this paper we adopt $H_0 = 100\,\mathrm{km\,s^{-1}\,Mpc^{-1}}$. The mathematical signs $\lesssim$ $\gtrsim$ $\geq$ $\leq$ are available. Numbers with exponents should be expressed as in the following example: $T_b = 3 \times 10^{12}$ K.

3.2 Tables

Do not use vertical lines in tables. Horizontal lines are inserted with `\hline`. (Note the use in the example below of “hard-space” `~` and “thin-space” `\,` to pad the left side of smaller numbers to achieve approximate alignment in the center-justified columns.)

Table 1: Results from model fitting circular Gaussian components to our 5 GHz VSOP epoch.

Component	Flux density (mJy)	Core distance (mas)	Position Angle (deg)
D	1234.5	0.0	0
C3	654.3	0.9	97
C4	31.4	1.5	92

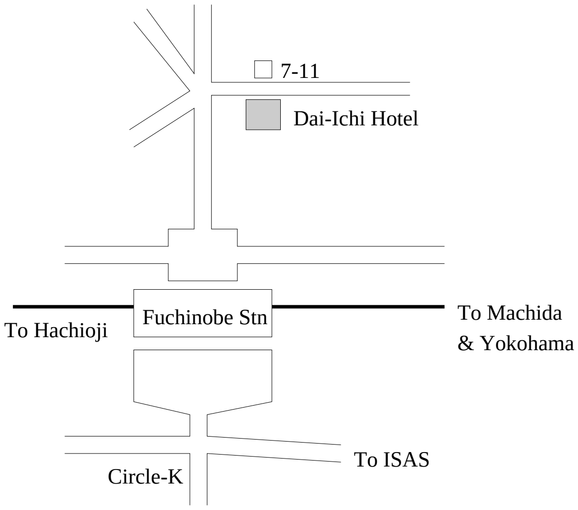

Figure 1: Map (not to scale) showing the route to the Dai-Ichi Hotel from Fuchinobe station.

3.3 Figures

Figures are included using the widely available psfig macros, which can also be obtained from the Symposium page. Figures can be translated with the `hoffset` and `voffset` parameters and reduced or enlarged with the `hscale` and `vscale` parameters. Setting `hscale=50` reduces the horizontal size by 50%. Make sure figure axes are still legible if reduction is necessary. For images, information on contour levels, beam sizes and orientations etc may well be better included in the caption to make it easy to read. A sample figure illustrating the way to the Dai-Ichi Hotel appears in Figure 1.

4 The References section

Follow the examples given below. Abbreviations for a number of common journals are listed in the style file and can be used, including *A&A*, *A&A Rev.*, *A&AS*, *AJ*, *ApJ*, *ApJ*, *ApJS*, *Adv. Sp. Res.*, *ARA&A*, *MNRAS*, *Nature*, *NewAR*, *Phys. Rev. Lett*, *PASJ*, *PASP*, *Science* and *Space Sci.Rev.*. For papers with four authors or less, list all authors (see Author et al. 2000). Papers with five or more authors, list the first three authors followed by et al.. Conferences proceedings and books should be referenced following the examples below for Hirabayashi (1998), Hirosawa (1994), Nishimura (1991) and Thompson et al.(1986).

Acknowledgements. We gratefully acknowledge the VSOP Project, which is led by the Japanese Institute of Space and Astronautical Science in cooperation with many organizations and radio telescopes around the world.

References

Author, A., Author, D. & Author, B.C. 2000, *these Proceedings*

Reber, G. 1940, *ApJ*, **91**, 621

Baade, W. & Minkowski R. 1954, *ApJ*, **119**, 206

Hirabayashi, H. 1998, in *ASP Conf. Ser.* **144***: IAU Coll. 164: Radio Emission from Galactic and Extragalactic Compact Sources*, eds. J.A. Zensus, G.B. Taylor & J.M. Wrobel (San Francisco: Astron. Soc. Pac.), 11

Hirabayashi, H., Hirosawa, H., Kobayashi, H. et al.1998, *Science*, **281**, 1825 and erratum **282**, 1995

Hirosawa, H. 1994, in *VLBI Technology: Progress and Future Observational Possibilities*, eds. T. Sasao, S. Manabe, O. Kameya & M. Inoue (Tokyo: Terra Scientific), 3

Nishimura, T. 1991, in *Frontiers of VLBI*, eds. H. Hirabayashi, M. Inoue & H. Kobayashi (Tokyo: Universal Academy Press), 3

Thompson A.R., Moran, J.M. & Swenson, G.W. 1986, *Interferometry and Synthesis in Radio Astronomy* (Wiley, New York)