2005 Fall Meeting
Search Results

Cite abstracts as **Author(s) (2005), Title, *Eos Trans. AGU, 86*(52), Fall Meet. Suppl., Abstract xxxxx-xx**

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"PP33C-1603"

The selected databases contain **one** document matching your query:

HR: 1340h
AN: **PP33C-1603**
TI: Ice Core Dating Software for Interactive Dating of Ice Cores
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AB: Scientists involved in ice core dating are well familiar with the problem of identification and recording the depth of annual signals using stable isotopes, glaciochemistry, ECM (electrical conductivity), DEP (dielectric properties) and particle counter data. Traditionally all parameters used for ice core dating were plotted as a function of depth, printed and after years were marked on the paper, converted to depth vs. age time scale. To expedite this tedious and manual process we developed interactive computer software, Ice core Dating (ICD) program. ICD is written in Java programming language, and uses GPL and GPL site licensed graphic libraries. The same 3.5 Mb in size pre-compiled single jar file, that includes all libraries and application code, was successfully tested on WinOS, Mac OSX, Linux, and Solaris operating systems running Java VM version 1.4. We have followed the modular design philosophy in our source code so potential integration with other software modules, data bases and server side distributed computer environments can be easily implemented. We expect to continue development of new suites of tools for easy integration of ice core data with other available time proxies. ICD is thoroughly documented and comes with a technical reference and cookbook that explains the purpose of the software and its many features, and provides examples to help new users quickly become familiar with the operation and philosophy of the software. ICD is available as a free download from the Climate Change Institute web site (under the terms of GNU GPL public license.
UR: **http://www.climatechange.umaine.edu**
DE: 0335 Ion chemistry of the atmosphere (2419, 2427)
DE: 0394 Instruments and techniques
DE: 0520 Data analysis: algorithms and implementation
SC: Paleoceanography and Paleoclimatology [PP]
MN: Fall Meeting 2005

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