Geophysical Research Abstracts, Vol. 9, 11261, 2007
SRef-ID: 1607-7962/gra/EGU2007-A-11261

Comparison of High-resolution ^{14}C and ^{10}Be Records

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^{14}C and ^{10}Be are both produced continuously by similar nuclear reactions in the atmosphere. However, after production their fate is completely different. While ^{10}Be becomes attached to aerosols and is removed from the atmosphere within 1-2 years, ^{14}C forms CO_2 and becomes part of the carbon cycle. Therefore, comparing high-resolution ^{14}C and ^{10}Be records is a potential tool to separate production and carbon cycle effects. Results covering the past 10'000 years are presented and possible future developments are discussed.