



³⁶Cl in precipitation over Switzerland during 1988-2005

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³⁶Cl was measured in precipitation collected at two distinctly different locations of Switzerland: on the top of Europe, the Jungfrauoch (3,570 m asl), and in the Zürich valley (440 m asl). The measurements were done with a monthly resolution and cover most of the time period between 1988 and 2005. Generally, both records show a semi-annual pattern with a summer peak and a winter minimum. A detailed analysis of the datasets including a discussion of atmospheric mixing will be presented at the conference.