

Description of Additional Supplementary Files

File name: Supplementary Data

Description:

- 1) Ice core tephra sample summary
- 2) Proximal tephra sample summary
- 3) Major secondary standards for analysed cryptotephra
- 4) Operating conditions for EPMA University of Bern, Switzerland
- 5) Major geochemistry for analysed cryptotephra
- 6) LA-ICP-MS secondary standards for analysed cryptotephra
- 7) LA-ICP-MS obtained data for analysed cryptotephra
- 8) Obtained S isotope data for measurements in TUNU2013 ice core
- 9) Milandre cave Mean annual air temperature estimates
- 10) EGRIP ice-core concentration records 697-1001 CE
- 11) B19, TUNU2013, NGRIP2, NEEM(2011)S1 ice core concentration records of Na, S, CL, CE, TI and Bi for 700-1000 CE.
- 12) Annual mean concentrations of nssS and estimated annual deposited rates of sulfate for B19, TUNU2013, NGRIP2, NGRIP1, NEEM(2011)S1 and EGRIP ice cores between 500-1269 CE.
- 13) Annual mean concentrations of TI, Bi, Ce for B19, TUNU2013, NGRIP2, NEEM(2011)S1 ice cores 700-1269 CE.