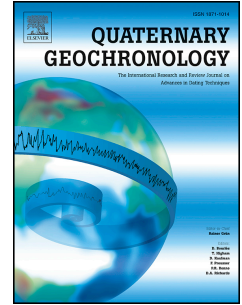


Accepted Manuscript

Advancements and best practices for analysis and correlation of tephra and cryptotephra in ice

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PII: S1871-1014(16)30146-7

DOI: [10.1016/j.quageo.2016.09.008](https://doi.org/10.1016/j.quageo.2016.09.008)

Reference: QUAGEO 801

To appear in: *Quaternary Geochronology*

Received Date: 12 November 2015

Revised Date: 15 September 2016

Accepted Date: 27 September 2016

Please cite this article as: Iverson, N.A., Kalteyer, D., Dunbar, N.W., Kurbatov, A., Yates, M., Advancements and best practices for analysis and correlation of tephra and cryptotephra in ice, *Quaternary Geochronology* (2016), doi: 10.1016/j.quageo.2016.09.008.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

1 **Advancements and best practices for analysis and correlation of tephra**
2 **and cryptotephra in ice**

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13
14 submission to Quaternary Geochronology special issue: Advancing Tephrochronology

15 Abstract: 288 words

16 Main Text: 6134 words

17 7 Figures, 4 Tables

18 Supplemental Data: 1 excel file with 8 tabs

19 Supplemental Material: 777 word and 7 figures

20
21 Highlights:

- 22 • New, flexible technique for preparing ice bearing visible tephra or cryptotephra
23 • SEM imagery and quantitative geochemistry obtained on the same tephra shards
24 • Methods for analyzing fine grain tephra are accurate but less precise

25
26 Keywords: sample preparation, ice core, microanalysis, glass geochemistry,
27 tephrochronology, cryptotephra

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