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## Result of $^{14}\text{C}$ dating of charcoals from Vieremä Likolampi, North Savo, Finland. (p 5280)

### Pre-treatment of charcoal:

1. Visible root-fibres are removed.
2. 1 % HCl is added (10 h, just below the boiling point) (carbonates are removed).
3. 1 % NaOH is added, (10 h, just below the boiling point). The soluble part is precipitated by addition of concentrated HCl. The precipitate, which mainly consists of humus material, is washed, dried and referred to as fraction SOL. The insoluble fraction, referred to as INS, is mainly consisting of the original organic material, and should therefore provide the most reliable age. Influence of contaminants could be obtained from the SOL fraction.

Prior to the determination of the  $^{14}\text{C}$ -content in the accelerator, the washed and dried material, acidulated to pH 3, is combusted to  $\text{CO}_2$  which is graphitised using a Fe-catalyst reaction. In the present investigation fraction INS has been dated.

### RESULT

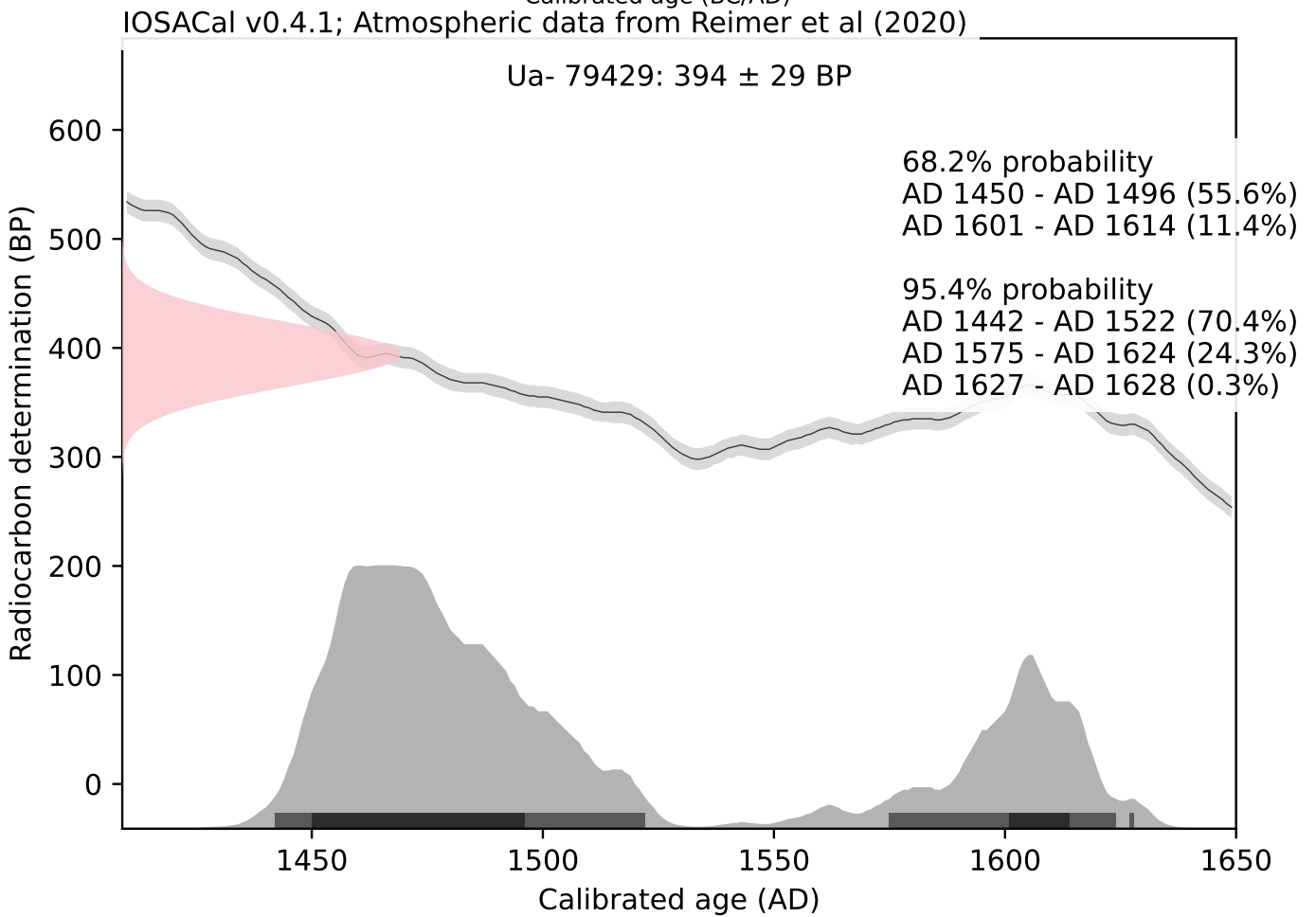
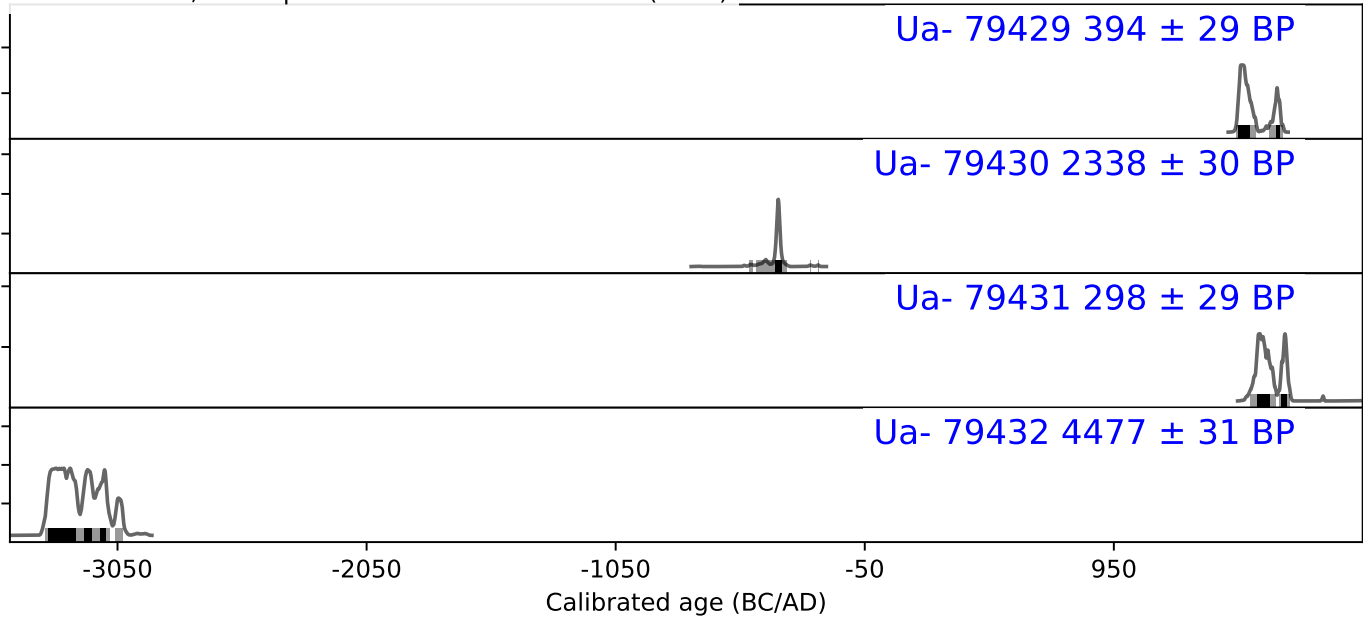
Lab number	Sample	$\delta^{13}\text{C}\%$ V-PDB	$^{14}\text{C}$ age BP
Ua-79429	907	-25.5	394 ± 29
Ua-79430	1977	-26.7	2 338 ± 30
Ua-79431	2489	-26.6	298 ± 29
Ua-79432	3519	-26.9	4 477 ± 31

Kind regards

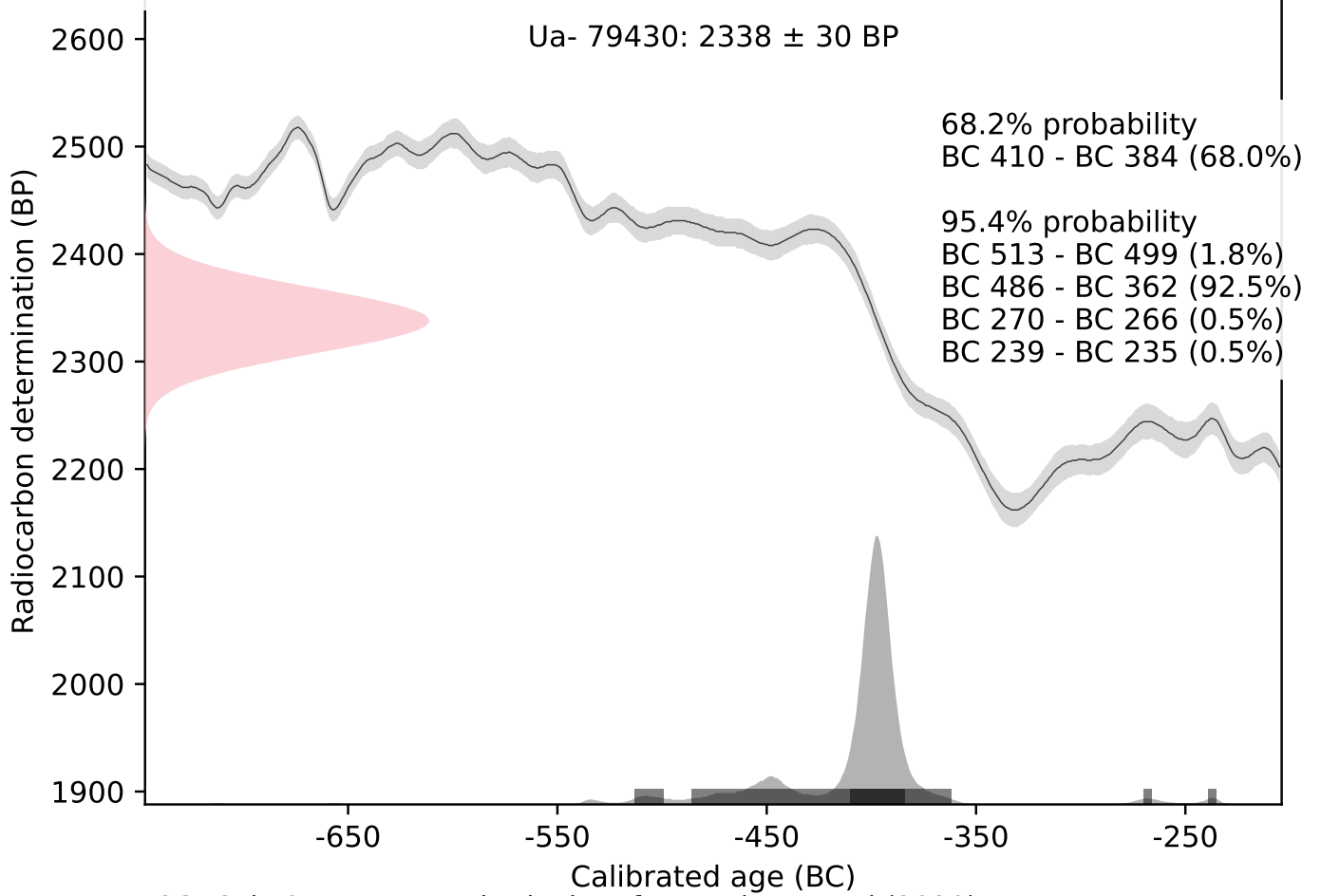
Melanie Mucke/Daniel Primetzhofer

**Calibration curves**

IOSACal v0.4.1; Atmospheric data from Reimer et al (2020)



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