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Supplement of

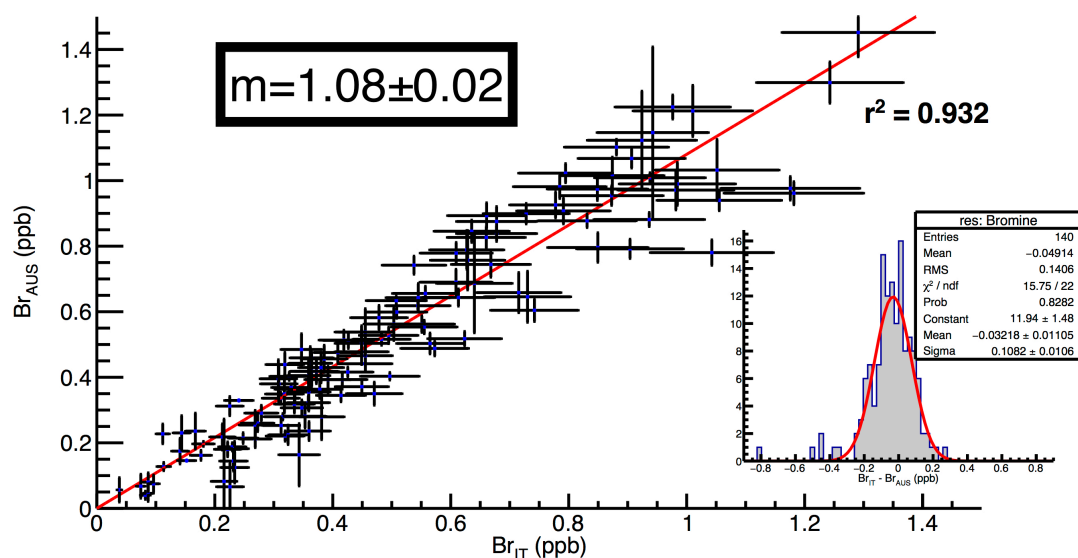
Sea-ice-related halogen enrichment at Law Dome, coastal East Antarctica

Paul Vallelonga et al.

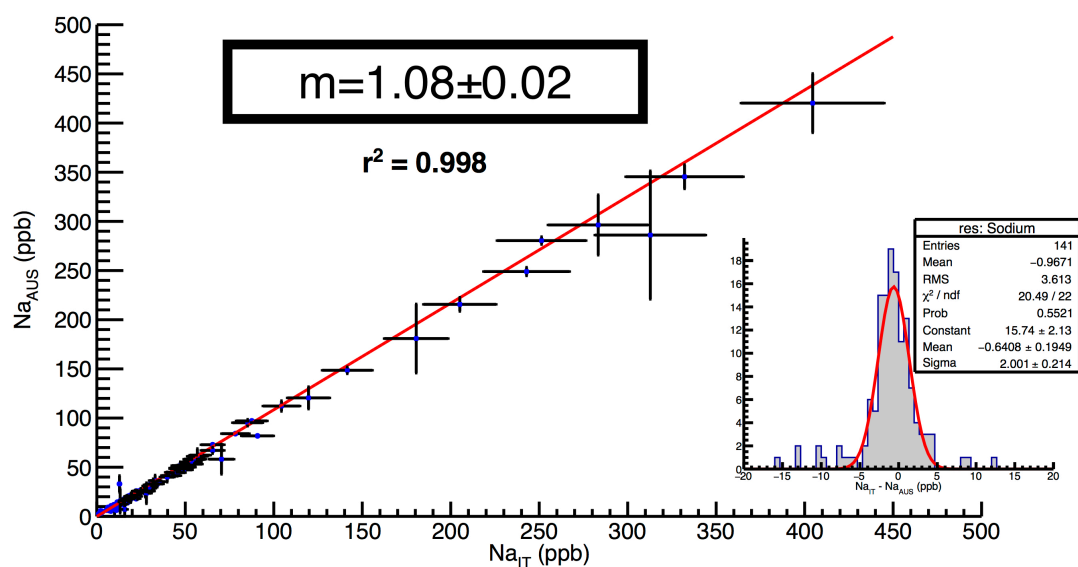
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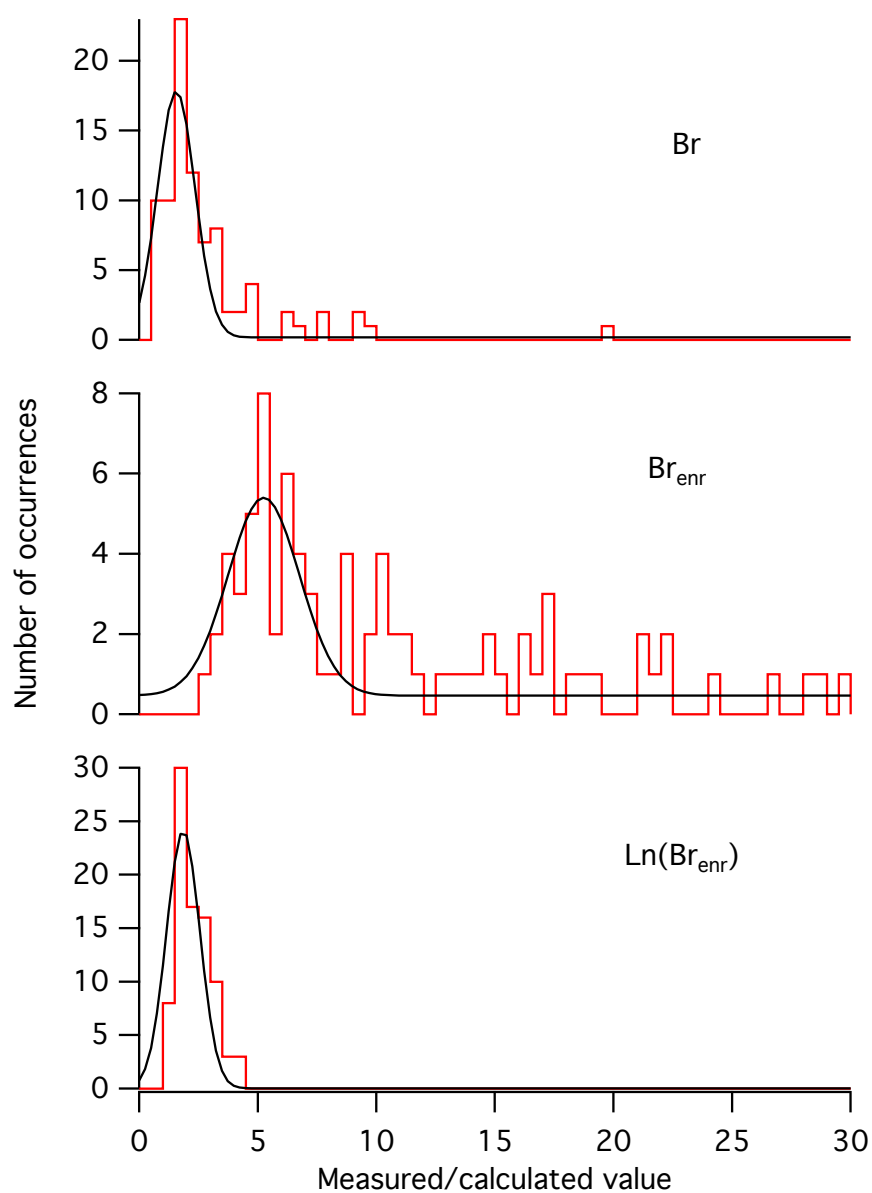
Revised Supplementary Figures



Supplementary Figure S1. Compatibility of bromine measurements between ICP-SFMS facilities in Italy (x-axis) and Australia (y-axis). The reproducibility of measurements between the two laboratories was tested by analyzing 140 Greenland snow pit samples in both laboratories. The gradient (m) and correlation coefficient (r^2) are shown in the figure.



Supplementary Figure S2. Compatibility of sodium measurements between ICP-SFMS facilities in Italy (x-axis) and Australia (y-axis). The reproducibility of measurements between the two laboratories was tested by analyzing 140 Greenland snow pit samples in both laboratories. The gradient (m) and correlation coefficient (r^2) are shown in the figure.



Supplementary Figure S3. Distributions of Br concentration, Br_{enr} and ln(Br_{enr}) and fitted gaussian distributions. Although statistics are not shown, it can be observed that of the three dataserie's, ln(Br_{enr}) is best approximated by a gaussian distribution.