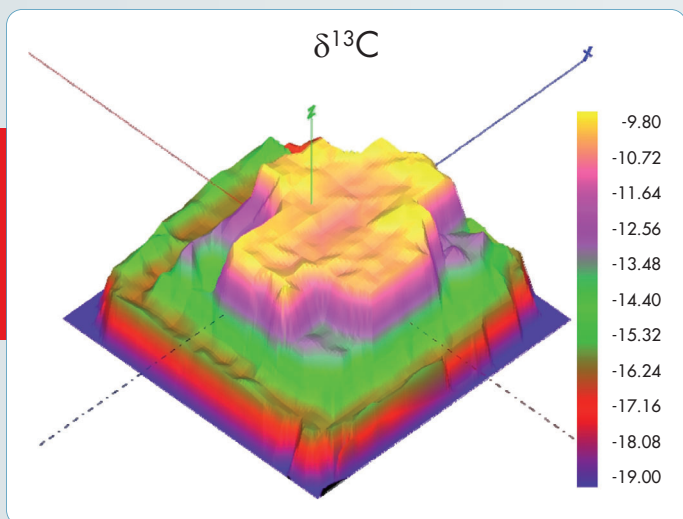


Isotopic & Elemental Micro-Analysis in Geosciences with SIMS



3D reconstruction of the contoured $\delta^{13}\text{C}$ on Picasso diamond (Venezuela).

Stable Isotopes

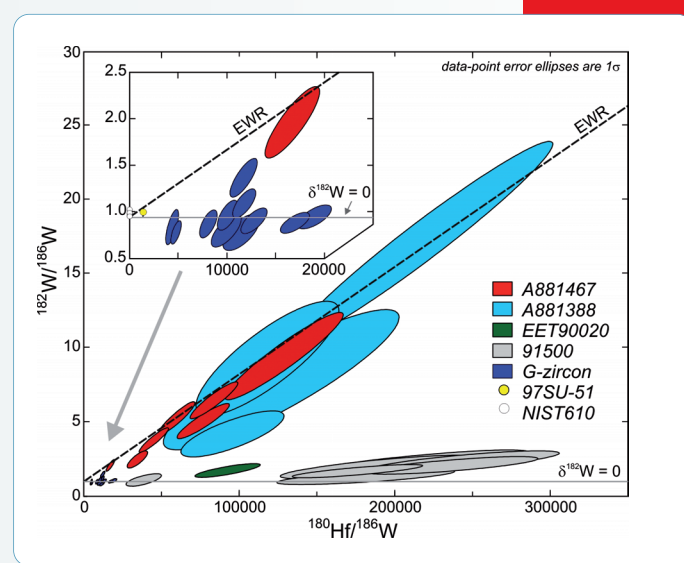
Delivering unrivalled precision & reproducibility

Carbon isotope map in natural diamond:
> 600 analyses performed automatically in multicollection mode.

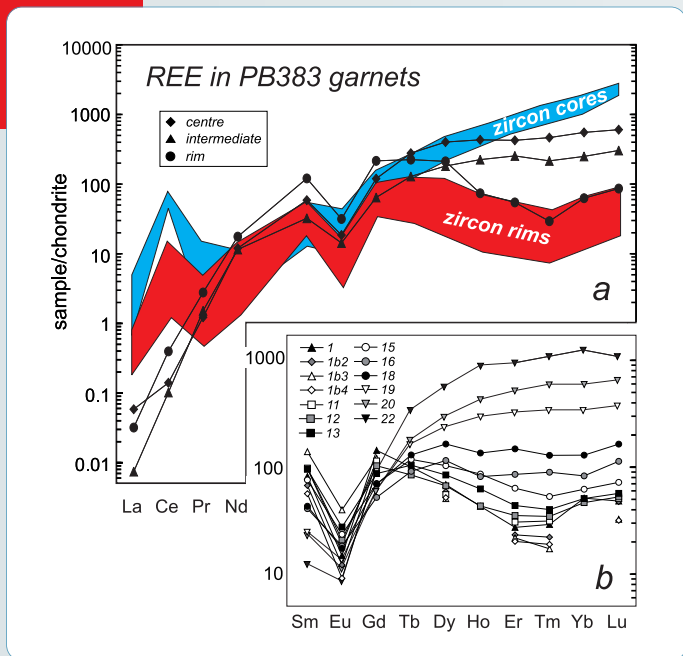
Zircon Dating

Optimized transmission with excellent spatial resolution

Hf-W composition of eucrite & terrestrial zircon grains
High precision measurements at high mass resolution (8,000).



$^{182}\text{W}/^{186}\text{W}$ vs. $^{180}\text{Hf}/^{186}\text{W}$ for meteorite & terrestrial mineral phases.

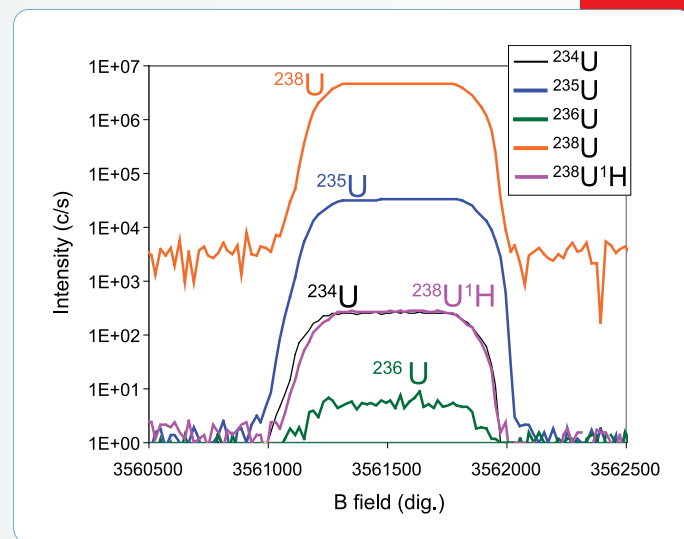


Chondrite normalized REE analysis of metamorphic zircons & garnets from Betic Cordillera, Spain.

Trace Element Analysis

Providing μm -scale elemental information for a large mass range

Study of the trace element composition to accurately relate zircon ages to P-T evolution paths.



Uranium isotope mass spectrum in multicollection mode, MRP = 2500.

Nuclear Particles

Unique sensitivity for small particle analysis

High transmission at high Mass Resolving Power for optimized particle detection efficiency and improved precision for minor U isotope measurements.



IMS 1300-HR³
Ultra High Sensitivity Magnetic SIMS