

Radiogenic Isotope Geology Laboratory at EPAS

- Use high—precision mass spectrometric measurements of isotopes of uranium (U) and lead (Pb) in order to make highprecision measurements of events in the geological past.
- Users a Thermal Ionization Mass Spectrometer (TIMS) to make measurements of the isotopic composition of natural materials.
- A TIMS measurement consists of placing a small, purified sample of Pb or U on a thin metal filament.
- Data Mine Corporate Partnership Team investigate and visualize data collected by the Thermal Ionization Mass Spectrometer (TIMS).



[Insert file name]	[Select graph type]	4
IXL20-DO-010 z15 Pb-3445.TIMSIP	Graph 1	8000
B138_U-3454.TIMSIP	Graph 2 Graph 3	6000
B095-2979.TIMSIP	Graph 4	50 4000
LB_110221_06a-2202.TIMSIP	Graph 5	estimente 2000
	X-Axis Name	
	Y-Axis Name	-2000 1100 112
	Y-Axis Name	-2000

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User Interface of Cleaning Application



-Clean the two primary data columns and automate a cleaning process

-Find graphical ways to display any trends in the data

-Create a User Interface

-Use SQL to handle and manage large data sets

-Clean several other columns in the data set







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The Data Mine Corporate Partners Symposium 2023