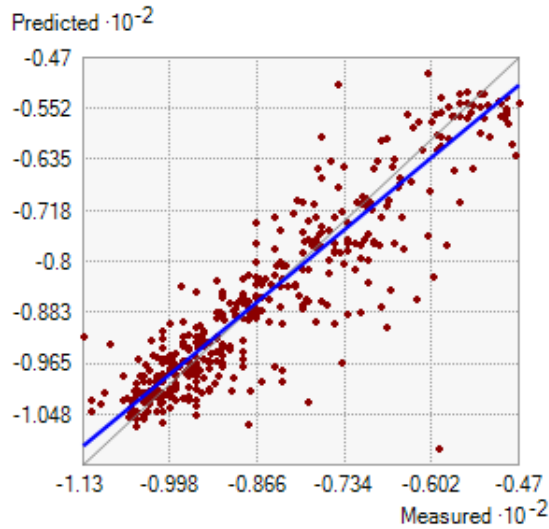


# Cross-validation plots and kriging model configuration

## $\delta^2\text{H}$ model

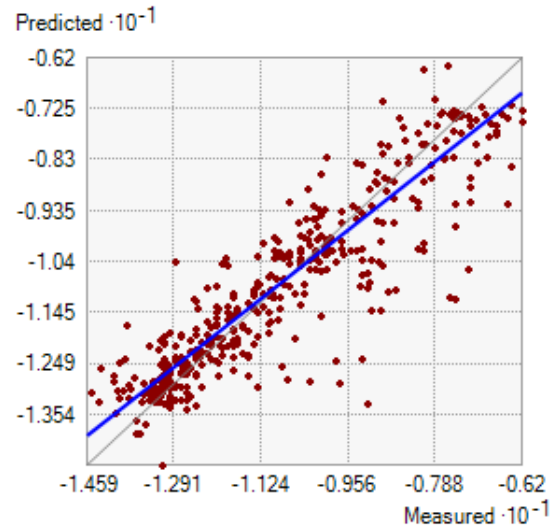


Graph 1.  $\delta^2\text{H}$  cross-validation plot [‰VSMOW]

Method	Kriging
Type	Simple
Output type	Prediction
Dataset #	1
Trend type	Third
Transformation	Normal Score Transformation
Approximation	DensitySkew
Kernels	7
BaseDistribution	Student's t-distribution
Trend removal	Local Polynomial Interpolation
Power	3
Bandwidth	18,211.24523409215
Kernel function	Exponential
Output type	Prediction
Spatial condition number threshold	418.034384916221
Exploratory trend surface analysis	18
Searching neighborhood	Standard
Neighbors to include	1,000
Sector type	Full
Major semiaxis	59,965.62707511661
Minor semiaxis	59,965.62707511661
Angle	0
Searching neighborhood	Standard
Neighbors to include	5
Include at least	2
Sector type	Four and 45 degree
Major semiaxis	1,829.525782924125
Minor semiaxis	1,829.525782924125
Angle	0
Variogram	Covariance
Number of lags	12
Lag size	119.429466699781
Nugget	0.429649694525
Measurement error %	100
Model type	Stable
Parameter	0.4390625
Range	955.435733598245
Anisotropy	No
Partial sill	0.647903909886

List 1.  $\delta^2\text{H}$  model configuration

## $\delta^{18}\text{O}$ model



Graph 2.  $\delta^{18}\text{O}$  cross-validation plot [‰VSMOW]

Method	Kriging
Type	Simple
Output type	Prediction
Dataset #	1
Trend type	Third
Transformation	Normal Score Transformation
Approximation	DensitySkew
Kernels	8
BaseDistribution	Empirical
Trend removal	Local Polynomial Interpolation
Power	3
Bandwidth	19,468.88144895175
Kernel function	Exponential
Output type	Prediction
Spatial condition number threshold	615.097900112207
Exploratory trend surface analysis	20
Searching neighborhood	Standard
Neighbors to include	1,000
Sector type	Full
Major semiaxis	59,083.06387348751
Minor semiaxis	59,083.06387348751
Angle	0
Searching neighborhood	Standard
Neighbors to include	5
Include at least	2
Sector type	Four and 45 degree
Major semiaxis	1,829.525782924125
Minor semiaxis	1,829.525782924125
Angle	0
Variogram	Covariance
Number of lags	12
Lag size	108.503842755599
Nugget	0.442866230173
Measurement error %	87.4909957267
Model type	Stable
Parameter	0.2
Range	868.030742044796
Anisotropy	No
Partial sill	0.592864036064

List 2.  $\delta^{18}\text{O}$  model configuration