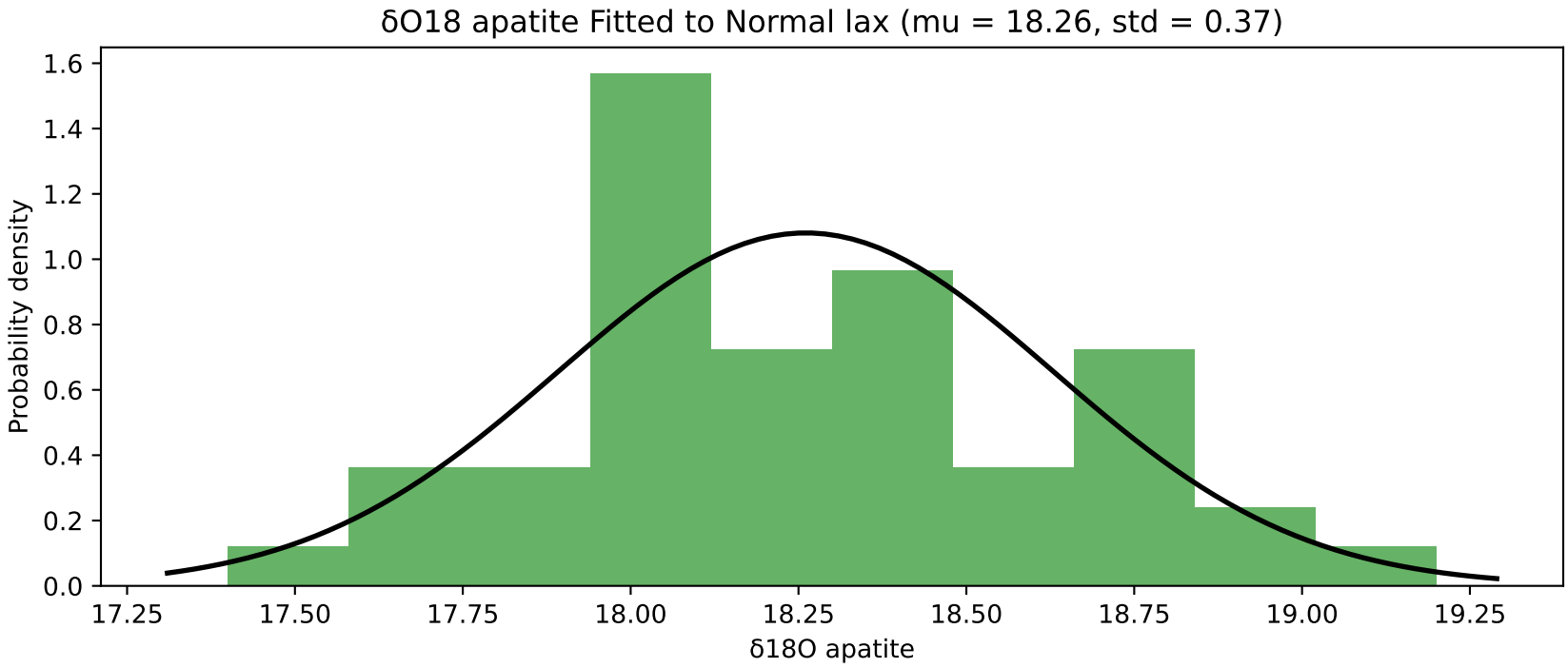
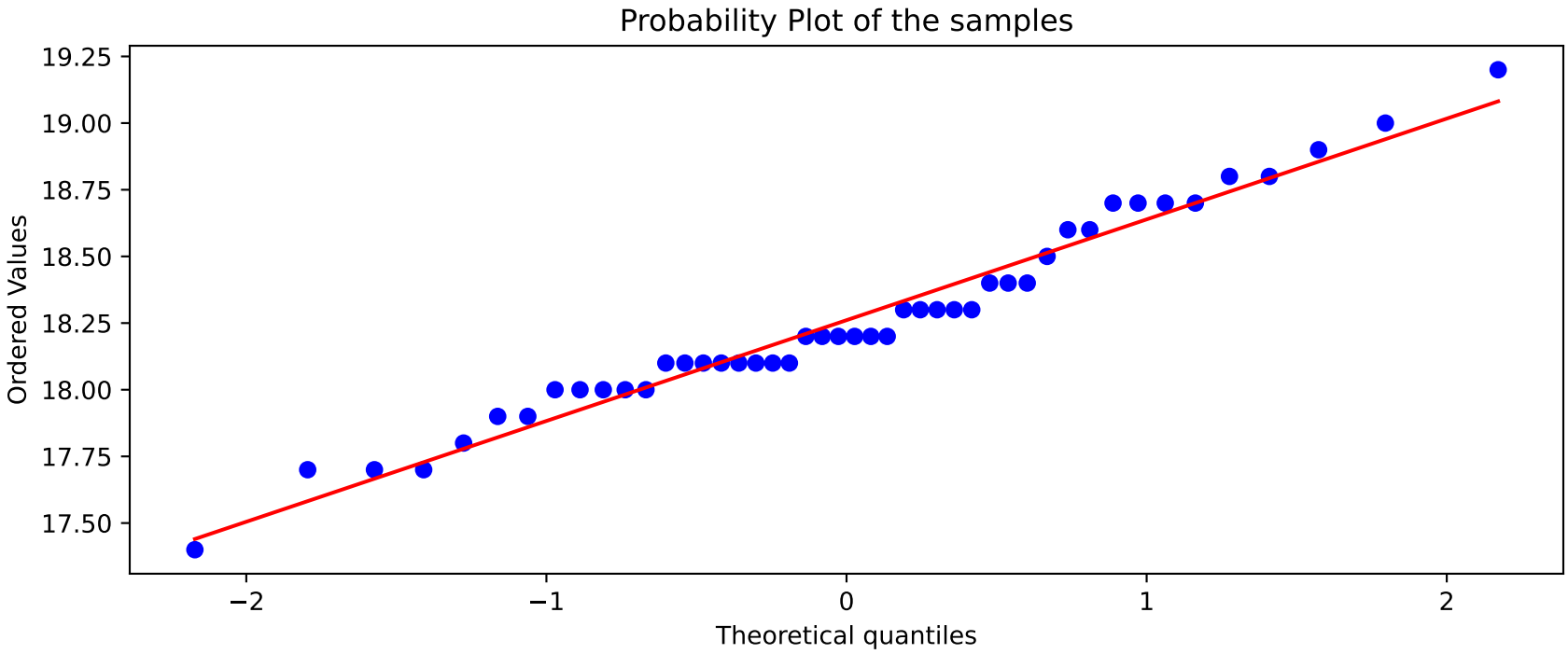
Datas from Examples/Seon_et_Al_Delphinus_2.txt





SUMMARY

BASIC STATISTICS

Number of samples: 46 Mean: 18.261 Variance: 0.139
Skew: 0.330 test statistics z-score: 1.007 p-value: 0.314
H0 (skew from a normal distrib.) cannot be rejected
The data are highly skewed !!
Kurtosis 0.401 test: z-score: 0.688 p-value: 0.314
H0 (normal distrib.) cannot be rejected
The distribution is moderately flat !!

NORMALITY TESTS

Shapiro-Wilk statistics: 0.972 p-value: 0.340 H0 (normal distrib.) cannot be rejected
Anderson-Darling statistics: 0.657 critical value α: 0.732 H0 (normal distrib.) cannot be rejected
Convergence of the tests: Normal distributed population on this basis

RISK ESTIMATION (Monte-Carlo diagenesis in-silico 280000 iterations), sample count: 46

Mean and Std.Dev. estimated by the bootstrap method
There is a 15.800+/-0.077 % risk of normality of δ18O data by chance for a 46 sample count.

Computed with ApaOxIRA C. Lécuyer & JP. Flandrois 2023