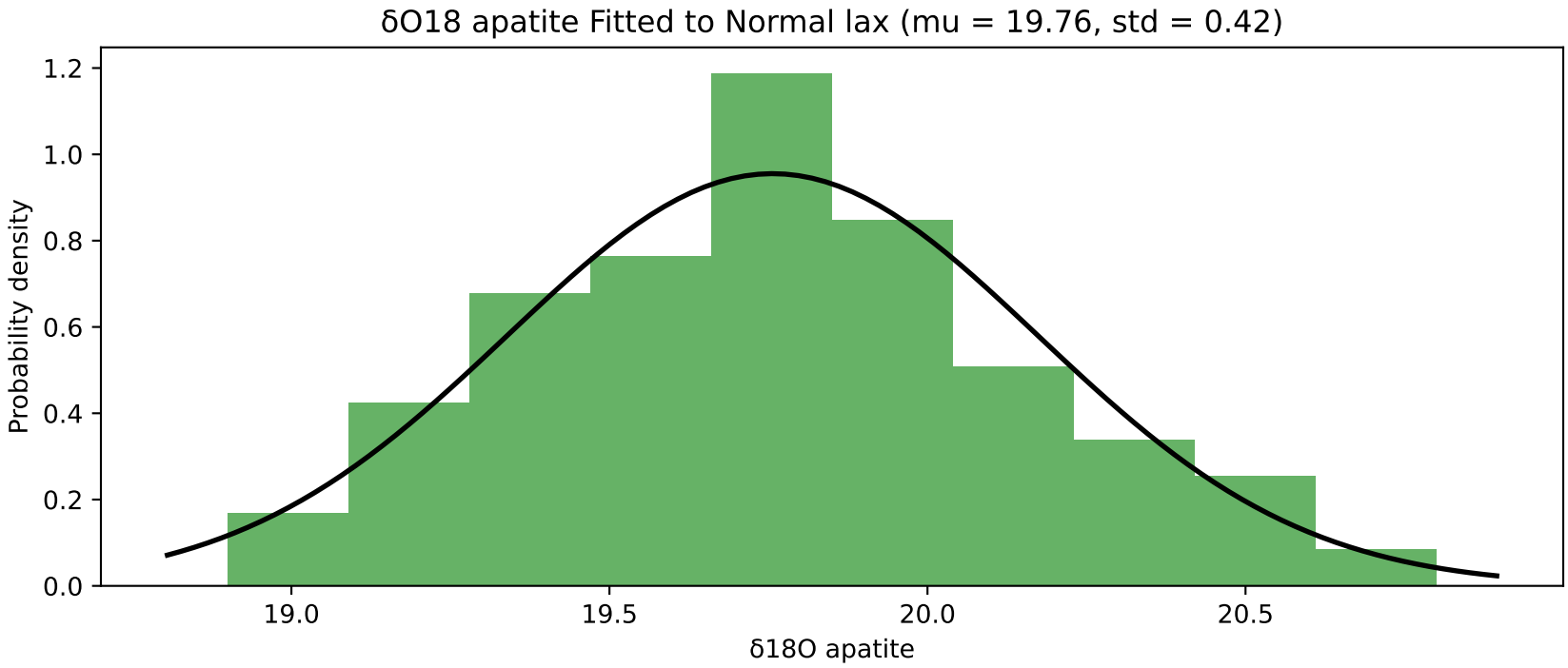
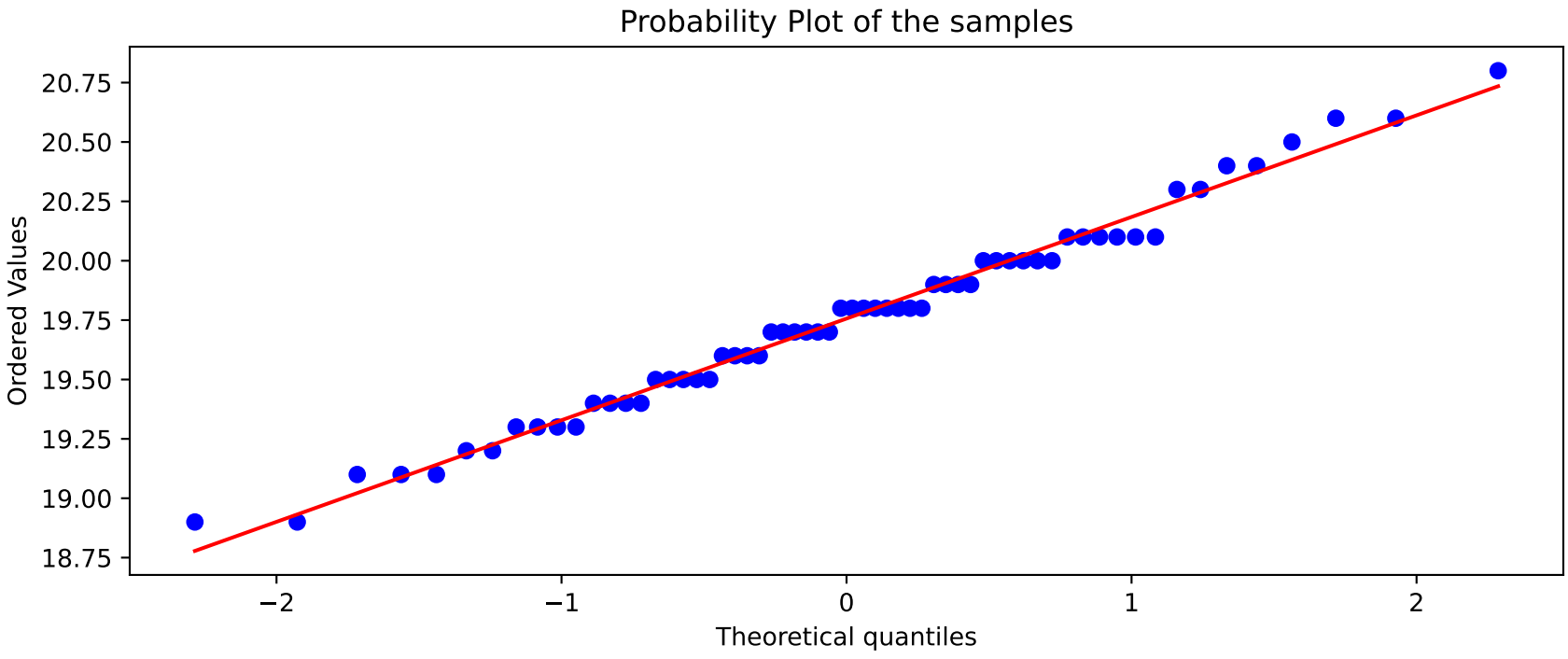
Datas from Examples/Aguilera_et_al_2017.txt




**SUMMARY**

BASIC STATISTICS

Number of samples: 62 Mean: 19.756 Variance: 0.177
Skew: 0.184 test statistics z-score: 0.646 p-value: 0.518
H0 (skew from a normal distrib.) cannot be rejected
The data are moderately skewed !
Kurtosis -0.075 test: z-score: 0.940 p-value: 0.518
H0 (normal distrib.) cannot be rejected
The distribution is moderately flat !!

NORMALITY TESTS

Shapiro-Wilk statistics: 0.986 p-value: 0.679 H0 (normal distrib.) cannot be rejected
Anderson-Darling statistics: 0.287 critical value α: 0.744 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: 62

Mean and Std.Dev. estimated by the bootstrap method
**There is a 4.171+/-0.043 % risk of normality of δ18O data by chance for a 62 sample count.**

Computed with ApaOxIRA C. Lécuyer & JP. Flandrois 2023