Alunite D3150595
Mass: 143.7 mg, Steps: 32

(a) Apparent Age (Ma) ± 2σ

(b) $\log_{10} D/r^2$ vs. $10^4/T$ Kelvin

(c) $\log_{10} r/r_0$ vs. Percentage $^{39}$Ar released

(d) Percentage $^{39}$Ar released vs. % $^{40}$Ar*

(e) Ca/K ratio vs. Percentage $^{39}$Ar released

(f) Cl/K ratio vs. Percentage $^{39}$Ar released

(g) $^{36}$Ar/$^{40}$Ar vs. $^{39}$Ar/$^{40}$Ar

3:2:0 ~ $3\text{CaCO}_3 + 2\text{CaCl}_2 + 0\text{KCl}$

$E = 114$ kcal/mol (477 kJ/mol)
$D_o/r_0^2 = 6.1e+19 s^{-1}$

For $20\degree$C/Ma 0kbar closure at 446°C

Chi statistic 0.34 within 95% c.l. f=2 [0.02 - 1.40]

Steps with <0.01% gas release omitted
Steps with SD >1 Ma omitted

No steps shown with <0.01% gas release

Steps with SD >1 Ma omitted

Uncertainties shown as 2σ

mixing dominated by release of gas from inclusions?