K-Ar age determinations for four metabasalt samples from the lower part of the Husky Oil NPRA Tunalik No. 1 well.

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Lab Number	Field Number (Depth in feet)	Project	Mineral	K2O(wt%)	Sample Weight (g)	40ArRAD (mol/g) x 10E-11 ‡	40ArRAD / 40K x 10E-3 ‡	%40ArRAD ‡	Age +/- Sigma (M.Y.) ‡
88030	17868	TUNALIK	PLG	.343 .341	.9197	21.1744	24.9892	67.78	385.76 +/- ~~8.31~~ 11.6
				Mean = .342					Minimum Age
88029	17877	TUNALIK	PLG	2.100 2.090	.6969	15.3820	2.9634	66.30	50.30 +/- 1.51
				Mean = 2.095 *					Minimum Age
88029 B	17877	TUNALIK	PLG	2.100 2.090	.6969	15.4136	2.9695	66.33	50.40 +/- 1.51 $\bar{x}_2$ 50.3 ± 1.51
				Mean = 2.095 *					Minimum Age
88034	17885	TUNALIK	PLG	.883 .883	.4594	24.9380	11.3991	51.53	186.25 +/- 5.59
				Mean = .883 *					Minimum Age

Note : RAD = radiogenic ; Sigma = standard deviation.

‡ These values are valid to 3 significant figures.

Constants :

Lambda e + Lambda e' = 0.581 x 10E-10/yr
Lambda B = 4.962 x 10E-10/yr
40K / K total = 1.167 x 10E-4 mol/mol

THE SAMPLE WITH LAB NUMBER LABELED B IS A SUBSEQUENT SPLIT OF THE SAME GAS SAMPLE.

Note:
* K_2O values are unrealistically high, suggesting addition of K by alteration

DLS

Analyses were undertaken in the University of Alaska - Fairbanks Rock Dating Laboratory of the Geophysical Institute.