

Sample ID: Rochefort-Montagne	Lab# N-1295-01	J = 0.000724600 ± 0.00000290
Sanidine	Irradiation # 67	reactor OSIRIS
Flux standard ACS-2	1.193 Ma	

Lab. N°	⁴⁰ Ar (moles)	³⁶ Ar V	%1σ	³⁷ Ar V	%1σ	³⁸ Ar V	%1σ	³⁹ Ar V	%1σ	⁴⁰ Ar V	%1σ	D ⁽¹⁾	±%σ _D	% ⁴⁰ Ar*	Age (ka)	±1σ (ka)	K/Ca ± 1σ
N1295-01	1.368E-14	1.832E-06	2.02	5.232E-05	8.21	6.604E-05	0.42	4.291E-03	0.19	9.985E-03	0.18	1.0136	0.2	94.6	2875	8	35.3 2.9
N1295-02	1.441E-14	7.869E-07	9.38	6.990E-05	4.98	5.866E-05	0.40	3.872E-03	0.21	1.051E-02	0.15	1.0115	0.2	97.8	3469	12	23.8 1.2
N1295-03	1.683E-14	1.489E-06	7.19	7.117E-05	7.73	8.410E-05	0.42	5.599E-03	0.20	1.228E-02	0.13	1.0142	0.2	96.4	2764	10	33.8 2.6
N1295-04	1.091E-14	1.653E-06	6.23	4.600E-05	5.94	5.124E-05	0.36	3.400E-03	0.18	7.961E-03	0.10	1.0130	0.2	93.9	2871	13	31.8 1.9
N1295-05	1.021E-14	8.259E-07	4.03	5.485E-05	8.18	7.722E-05	0.50	3.259E-03	0.16	7.451E-03	0.10	1.0129	0.2	96.8	2891	7	25.5 2.1
N1295-06	1.397E-14	5.443E-06	0.96	8.298E-05	7.33	5.915E-05	0.50	3.851E-03	0.19	1.020E-02	0.07	1.0136	0.2	84.3	2916	8	20.0 1.5
N1295-07	8.664E-15	1.037E-06	2.63	4.986E-05	9.84	4.065E-05	0.47	2.688E-03	0.20	6.324E-03	0.11	1.0125	0.2	95.2	2925	8	23.2 2.3
N1295-08	1.518E-14	5.168E-07	5.73	1.456E-04	5.03	4.948E-05	0.48	3.263E-03	0.20	1.108E-02	0.08	1.0139	0.2	98.7	4378	10	9.6 0.5
N1295-09	6.405E-15	8.457E-07	3.94	2.399E-05	19.29	3.188E-05	0.46	2.101E-03	0.20	4.675E-03	0.08	1.0121	0.2	94.7	2752	9	37.7 7.3
N1295-10	1.538E-14	2.032E-06	1.54	5.459E-05	6.08	7.492E-05	0.41	4.941E-03	0.22	1.123E-02	0.11	1.0139	0.2	94.7	2809	7	38.9 2.4
N1295-11	1.914E-14	9.586E-06	0.77	1.010E-04	5.77	8.057E-05	0.50	4.990E-03	0.18	1.397E-02	0.05	1.0147	0.2	79.8	2917	8	21.3 1.2
N1295-12	5.360E-15	6.310E-07	3.76	2.734E-05	14.17	2.639E-05	0.50	1.760E-03	0.18	3.913E-03	0.08	1.0119	0.2	95.3	2767	8	27.7 3.9
N1295-13	5.605E-15	6.005E-07	6.24	1.976E-05	17.15	2.808E-05	0.59	1.847E-03	0.18	4.091E-03	0.13	1.0118	0.2	95.7	2768	10	40.2 6.9
N1295-14	1.536E-14	4.886E-06	0.90	5.539E-05	11.59	6.726E-05	0.58	4.436E-03	0.19	1.121E-02	0.13	1.0139	0.2	87.1	2876	8	34.4 4.0

Bold font is for crystals included in the Weighted mean age calculation

Results	40Ar*/39Ark ± 1σ	Age (ka)	± 1σ (ka)	MSWD	(n)	K/Ca ± 1σ	Blank corrections										
							N	³⁶ Ar V	±1σ	³⁷ Ar V	±1σ	³⁸ Ar V	±1σ	³⁹ Ar V	±1σ	⁴⁰ Ar V	±1σ
weighted mean	2.1150 ± 0.0034 ± 0.16%	2763	12	0.70	4	33.5 2.1	N1295-01	7.45E-07	2.91E-08	1.47E-07	1.03E-08	2.33E-07	2.14E-08	1.81E-07	9.68E-08	1.53E-05	3.68E-07
		Full External Error	26	1.10	Statistical T ratio		N1295-02	7.45E-07	2.91E-08	1.47E-07	1.03E-08	2.33E-07	2.14E-08	1.81E-07	9.68E-08	1.53E-05	3.68E-07
		Analytical Error	4				N1295-03	7.73E-07	1.07E-07	1.29E-07	7.20E-09	1.52E-07	1.45E-08	9.04E-08	7.05E-08	1.44E-05	3.89E-07
							N1295-04	7.73E-07	1.07E-07	1.29E-07	7.20E-09	1.52E-07	1.45E-08	9.04E-08	7.05E-08	1.44E-05	3.89E-07
							N1295-05	6.58E-07	2.11E-08	1.25E-07	1.26E-08	2.39E-07	1.17E-08	3.49E-08	3.45E-08	9.66E-06	3.19E-07
							N1295-06	6.58E-07	2.11E-08	1.25E-07	1.26E-08	2.39E-07	1.17E-08	3.49E-08	3.45E-08	9.66E-06	3.19E-07
							N1295-07	7.40E-07	2.07E-08	1.36E-07	1.47E-08	2.13E-07	1.81E-08	4.27E-07	1.15E-07	1.37E-05	3.82E-07
							N1295-08	7.40E-07	2.07E-08	1.36E-07	1.47E-08	2.13E-07	1.81E-08	4.27E-07	1.15E-07	1.37E-05	3.82E-07
							N1295-09	7.40E-07	2.07E-08	1.36E-07	1.47E-08	2.13E-07	1.81E-08	4.27E-07	1.15E-07	1.37E-05	3.82E-07
							N1295-10	6.06E-07	1.82E-08	1.60E-07	7.67E-09	2.27E-07	8.18E-09	2.62E-07	1.13E-07	1.24E-05	5.10E-07
							N1295-11	6.06E-07	1.82E-08	1.60E-07	7.67E-09	2.27E-07	8.18E-09	2.62E-07	1.13E-07	1.24E-05	5.10E-07
							N1295-12	6.06E-07	1.82E-08	1.60E-07	7.67E-09	2.27E-07	8.18E-09	2.62E-07	1.13E-07	1.24E-05	5.10E-07
							N1295-13	6.06E-07	1.82E-08	1.60E-07	7.67E-09	2.27E-07	8.18E-09	2.62E-07	1.13E-07	1.24E-05	5.10E-07
							N1295-14	4.67E-07	1.68E-08	1.39E-07	8.78E-09	1.60E-07	2.07E-08	7.50E-08	7.42E-08	1.03E-05	2.17E-07

Results	40(a)/36(a) ± 1σ	40(r)/39(k) ± 1σ	Age ± 1σ (ka)	MSWD
Inverse Isochron	248 ± 26.00%	2.1313 ± 0.0022 ± 1.05%	2784 ± 31	0.9
		Full External Error	39	
		Analytical Error	29	