

Table XX: Step-degassing Ne analyses.

Sample name	Aliquot	Aliquot weight (g)	Heating temperature (deg C)	Heating time (hr)	Total ^{20}Ne released ¹ (10^6 atoms)	Total ^{21}Ne released ² (10^6 atoms)	Total ^{22}Ne released ³ (10^6 atoms)	$^{21}\text{Ne} / ^{20}\text{Ne}^4$ (10^3)	$^{22}\text{Ne} / ^{20}\text{Ne}^4$ (10^3)	Cosmogenic $^{22}\text{Ne}^5$ This heating step (10^6 atoms g^{-1})	Cosmogenic ^{22}Ne as % of ^{21}Ne released in this heating step	Percent of total cosmogenic ^{22}Ne released in this step	Total cosmogenic ^{22}Ne (10^6 atoms g^{-1})
A-Std-201403	a	0.129	400	0.25	0.269 +/- 0.015	16.964 +/- 0.359	43.842 +/- 2.467	62.648 +/- 3.670	161.9 +/- 12.9	125.80 +/- 2.82	96	40	313.6 +/- 5.1
			850	0.25	1.562 +/- 0.021	27.911 +/- 0.533	190.258 +/- 3.053	17.762 +/- 0.309	120.6 +/- 2.3	181.21 +/- 4.18	84	58	
			1150	0.2	0.172 +/- 0.015	1.359 +/- 0.065	17.606 +/- 2.481	7.826 +/- 0.778	101.2 +/- 16.8	6.62 +/- 0.61	63	2	
	b	0.1235	400	0.25	0.221 +/- 0.016	16.573 +/- 0.355	43.242 +/- 2.459	74.823 +/- 5.435	192.2 +/- 17.5	129.38 +/- 2.91	96	41	312.5 +/- 4.7
			850	0.25	1.382 +/- 0.017	25.932 +/- 0.508	172.416 +/- 3.035	18.711 +/- 0.251	122.1 +/- 2.4	176.87 +/- 3.58	84	57	
			1150	0.2	0.140 +/- 0.015	1.179 +/- 0.067	14.822 +/- 2.432	8.428 +/- 0.993	103.1 +/- 20.1	6.22 +/- 0.65	65	2	
	c	0.0681	400	0.25	0.131 +/- 0.016	9.191 +/- 0.225	27.099 +/- 2.506	70.042 +/- 8.728	204.7 +/- 31.5	129.75 +/- 3.39	96	41	312.9 +/- 5.6
			850	0.25	0.848 +/- 0.017	14.636 +/- 0.29	102.006 +/- 2.649	17.322 +/- 0.396	119.4 +/- 3.7	178.74 +/- 4.33	83	57	
			1150	0.2	0.085 +/- 0.015	0.549 +/- 0.063	9.856 +/- 2.330	6.451 +/- 1.329	114.8 +/- 33.5	4.38 +/- 1.13	54	1	
	d	0.1699	400	0.25	0.360 +/- 0.015	26.557 +/- 0.429	69.741 +/- 2.623	73.905 +/- 3.235	191.8 +/- 10.8	150.59 +/- 2.55	96	48	312.7 +/- 4.0
			850	0.25	1.702 +/- 0.017	31.633 +/- 0.505	204.954 +/- 3.273	18.634 +/- 0.254	119.4 +/- 1.9	157.57 +/- 2.99	85	50	
			1150	0.2	0.126 +/- 0.016	1.138 +/- 0.079	14.366 +/- 2.249	9.029 +/- 1.270	113.0 +/- 22.5	4.51 +/- 0.54	67	1	
CREU-1-201403a	a	0.1273	400	0.25	0.326 +/- 0.016	13.246 +/- 0.281	48.549 +/- 2.548	40.463 +/- 1.997	147.8 +/- 10.3	96.83 +/- 2.24	93	29	338.9 +/- 5.1
			850	0.25	2.174 +/- 0.022	32.063 +/- 0.54	254.075 +/- 3.052	14.643 +/- 0.173	115.4 +/- 1.5	202.09 +/- 4.29	80	60	
			1150	0.2	1.406 +/- 0.021	9.228 +/- 0.209	143.850 +/- 3.103	6.518 +/- 0.159	100.7 +/- 2.5	39.97 +/- 1.72	55	12	
	b	0.1238	400	0.25	0.411 +/- 0.017	13.658 +/- 0.326	58.769 +/- 2.633	33.198 +/- 1.496	140.9 +/- 8.6	100.86 +/- 2.68	91	30	335.9 +/- 4.7
			850	0.25	2.238 +/- 0.021	31.071 +/- 0.614	263.009 +/- 3.861	13.849 +/- 0.154	115.2 +/- 1.7	197.63 +/- 3.37	79	59	
			1150	0.2	1.478 +/- 0.022	9.019 +/- 0.245	159.878 +/- 3.122	6.079 +/- 0.145	105.5 +/- 2.4	37.37 +/- 1.82	51	11	
	c	0.0679	400	0.25	0.250 +/- 0.016	7.882 +/- 0.197	36.180 +/- 2.387	31.480 +/- 2.054	143.2 +/- 13.0	105.58 +/- 2.99	91	30	351.4 +/- 6.6
			850	0.25	1.361 +/- 0.024	18.281 +/- 0.358	157.708 +/- 2.869	13.449 +/- 0.292	115.2 +/- 2.7	210.72 +/- 5.40	78	60	
			1150	0.2	0.747 +/- 0.016	4.584 +/- 0.15	82.664 +/- 2.518	6.150 +/- 0.231	109.7 +/- 4.0	35.10 +/- 2.33	52	10	

¹ Computed by comparison to ^{20}Ne signal in air pipettes. 1-sigma uncertainty includes measurement uncertainty of ^{20}Ne signal in this analysis and the reproducibility of the air pipette signal.

² Computed by comparison to ^{21}Ne signal in air pipettes. 1-sigma uncertainty includes measurement uncertainty of ^{21}Ne signal in this analysis and the reproducibility of the air pipette signal.

³ Computed by comparison to ^{22}Ne signal in air pipettes. 1-sigma uncertainty includes measurement uncertainty of ^{22}Ne signal in this analysis and the reproducibility of the air pipette signal.

⁴ Isotope ratio measured internally during each analysis; does not involve normalization to the Ne isotope signals in the air pipettes.

⁵ Computed by comparison of ^{20}Ne or ^{21}Ne signal to air pipettes, whichever is more precise. Assumes that Ne in sample is a binary mixture of atmospheric and cosmogenic Ne.