Complete step-degassing results -- 04-AV-PIT16 Ne-21 measurements. Analyzed May-August 2010.

Sample name	Aliquot	Aliquot weight (g)	Heating temperature (deg C)	Heating time (hr)	Total ^{20}Ne released[2] (10^9 atoms)	Total ^{21}Ne released[3] (10^6 atoms)	^{21}Ne / ^{20}Ne[4] (10^{-3})	^{22}Ne / ^{20}Ne[4] (10^{-3})	Cosmogenic ^{21}Ne[5] This heating step (10^6 atoms g^{-1})	Cosmogenic ^{21}Ne as % of ^{21}Ne released in this heating step	Percent of total cosmogenic ^{21}Ne released in this step	Total cosmogenic ^{21}Ne (10^6 atoms g^{-1})
PIT16-SS	a	0.1459	390	0.2	1.150 +/- 0.029	16.083 +/- 0.476	13.832 +/- 0.321	114.4 +/- 2.4	87.23 +/- 3.33	79	60	145.8 +/- 4.3
			780	0.2	4.944 +/- 0.105	23.021 +/- 0.646	4.595 +/- 0.067	101.8 +/- 0.8	55.65 +/- 2.56	35	38	
			1140	0.2	0.530 +/- 0.015	2.016 +/- 0.124	3.753 +/- 0.221	101.5 +/- 3.1	2.90 +/- 0.81	21	2	
PIT16-0-2	a	0.1542	390	0.2	1.020 +/- 0.028	11.153 +/- 0.35	10.819 +/- 0.293	113.2 +/- 2.9	52.96 +/- 2.34	73	52	102.3 +/- 3.3
			780	0.2	4.131 +/- 0.087	19.312 +/- 0.563	4.613 +/- 0.075	100.7 +/- 0.9	44.48 +/- 2.22	36	43	
			1140	0.2	0.631 +/- 0.018	2.650 +/- 0.128	4.147 +/- 0.184	103.4 +/- 2.9	4.88 +/- 0.77	28	5	
	b	0.1535	390	0.2	1.792 +/- 0.013	14.351 +/- 0.29	7.964 +/- 0.124	109.0 +/- 1.4	58.64 +/- 1.51	63	57	102.9 +/- 2.4
			780	0.2	3.958 +/- 0.026	17.912 +/- 0.355	4.491 +/- 0.066	103.5 +/- 1.0	39.66 +/- 1.72	34	39	
			1140	0.2	0.677 +/- 0.007	2.729 +/- 0.095	3.989 +/- 0.132	109.4 +/- 2.7	4.56 +/- 0.59	26	4	
PIT16-14-16	a	0.149	390	0.2	1.036 +/- 0.026	10.286 +/- 0.343	9.818 +/- 0.269	109.8 +/- 2.5	47.87 +/- 2.23	69	60	79.4 +/- 3.3
			780	0.2	4.370 +/- 0.093	17.609 +/- 0.54	3.976 +/- 0.077	101.9 +/- 0.8	29.93 +/- 2.34	25	38	
			1140	0.2	0.558 +/- 0.014	1.914 +/- 0.104	3.386 +/- 0.168	106.3 +/- 2.8	1.60 +/- 0.63	12	2	
	b	0.1434	390	0.2	1.239 +/- 0.011	11.346 +/- 0.247	9.103 +/- 0.167	108.5 +/- 2.2	53.28 +/- 1.53	67	59	89.8 +/- 2.8
			780	0.2	4.347 +/- 0.026	17.954 +/- 0.414	4.092 +/- 0.075	102.1 +/- 0.8	34.46 +/- 2.31	28	38	
			1140	0.2	0.691 +/- 0.011	2.357 +/- 0.095	3.376 +/- 0.137	107.4 +/- 3.4	2.02 +/- 0.66	12	2	
	c	0.152	390	0.2	1.268 +/- 0.012	11.830 +/- 0.287	9.229 +/- 0.207	110.2 +/- 2.2	52.48 +/- 1.80	67	61	86.3 +/- 3.1
			780	0.2	4.855 +/- 0.034	19.203 +/- 0.441	3.927 +/- 0.075	102.2 +/- 0.6	31.02 +/- 2.43	25	36	
			1140	0.2	0.552 +/- 0.014	2.077 +/- 0.093	3.712 +/- 0.181	104.7 +/- 4.0	2.75 +/- 0.66	20	3	
PIT16-29-31	a	0.1444	390	0.2	0.776 +/- 0.021	9.014 +/- 0.295	11.485 +/- 0.331	112.4 +/- 2.9	46.69 +/- 2.10	75	69	67.5 +/- 2.8
			780	0.2	3.022 +/- 0.065	11.957 +/- 0.369	3.907 +/- 0.075	102.5 +/- 1.1	19.90 +/- 1.63	24	29	
			1140	0.2	0.377 +/- 0.015	1.262 +/- 0.108	3.300 +/- 0.287	109.3 +/- 4.9	0.89 +/- 0.75	10	1	
	b	0.1496	390	0.2	1.071 +/- 0.012	10.649 +/- 0.245	9.888 +/- 0.204	113.2 +/- 2.2	49.78 +/- 1.57	70	72	69.3 +/- 2.4
			780	0.2	3.302 +/- 0.022	12.654 +/- 0.308	3.796 +/- 0.077	102.2 +/- 1.0	18.55 +/- 1.71	22	27	
			1140	0.2	0.493 +/- 0.012	1.625 +/- 0.107	3.263 +/- 0.224	104.6 +/- 4.4	1.00 +/- 0.74	9	1	
PIT16-52-54	a	0.1394	390	0.2	0.793 +/- 0.021	7.605 +/- 0.266	9.480 +/- 0.293	109.1 +/- 2.7	37.25 +/- 1.95	68	71	52.3 +/- 2.7
			780	0.2	2.946 +/- 0.061	10.639 +/- 0.346	3.564 +/- 0.077	100.3 +/- 0.5	12.82 +/- 1.65	17	25	
			1140	0.2	0.326 +/- 0.016	1.286 +/- 0.098	3.893 +/- 0.324	109.6 +/- 6.2	2.19 +/- 0.77	24	4	
	b	0.1565	390	0.2	1.305 +/- 0.013	9.590 +/- 0.278	7.308 +/- 0.195	107.1 +/- 1.9	36.39 +/- 1.68	59	69	52.7 +/- 2.4
			780	0.2	3.258 +/- 0.024	12.177 +/- 0.286	3.703 +/- 0.072	101.8 +/- 1.0	15.54 +/- 1.51	20	29	
			1140	0.2	0.501 +/- 0.012	1.625 +/- 0.115	3.210 +/- 0.234	100.7 +/- 4.6	0.81 +/- 0.75	8	2	

Notes:

[2] 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

[3] 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

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

[5] Analyses where cosmogenic ^{21}Ne was not distinguishable from zero at 1 sigma are not shown. Cosmogenic ^{21}Ne concentrations were calculated by normalization to either the ^{20}Ne or ^{21}Ne signal in the air pipettes, depending on which method yielded better precision.