		Concentrations				Ratios							Ages									
Samples	zone	U (ppm)	Pb (ppm)	Th (ppm)	Th/U	207Pb/206	1σ abs	207Pb/235	1σ abs	206Pb/238	1σ abs	Rho	207Pb/206	2σ Ma	206Pb/238	2σ Ma	207Pb/235	2σ Ma	%disc	Prob.	Reported age	±2σ
Quartzites																						
3-13-66	whole	186.7	42.9	17.7	0.1	0.0960	0.0017	3.7479	0.0885	0.2883	0.0040	0.65	1549	56	1633	45	1582	75	-5.5	0.002	1549	56
3-13-56	rim	156.6	23.2	7.9	0.1	0.0751	0.0015	2.0346	0.0565	0.1984	0.0028	0.71	1070	43	1167	33	1127	63	-9.0	0.003	1070	43
3-13-85	whole	132.9	35.9	16.6	0.1	0.1087	0.0020	4.8084	0.1385	0.3259	0.0044	0.85	1778	67	1818	49	1786	103	-2.3	0.012	1778	67
3-13-74	core	82.2	19.7	4.9	0.1	0.1026	0.0024	4.2001	0.1632	0.3098	0.0047	0.90	1671	77	1740	52	1674	130	-4.1	0.000		
3-13-93	whole	89.3	16.8	17.5	0.2	0.0819	0.0020	2.5547	0.0793	0.2148	0.0032	0.63	1243	61	1254	38	1288	80	-0.9	0.065	1243	61
3-13-92	mantle	29.8	12.9	6.2	0.2	0.1558	0.0038	10.4615	0.5271	0.4738	0.0075	0.90	2410	117	2500	79	2477	250	-3.7	0.274	2410	117
3-13-120	mantle	153.0	23.9	18.7	0.1	0.0743	0.0017	2.0843	0.0584	0.1925	0.0034	0.58	1049	48	1135	40	1144	64	-8.2	0.609	1049	48
3-13-107	rim	34.2	6.0	8.7	0.3	0.0731	0.0024	1.8840	0.0831	0.1921	0.0042	0.72	1016	66	1133	50	1075	95	-11.5	0.004	1016	66
3-13-25	whole	34.1	5.3	3.0	0.1	0.0732	0.0023	2.0140	0.1064	0.1989	0.0032	0.90	1018	64	1169	37	1120	118	-14.8	0.017	1018	64
3-13-37	whole	55.2	8.0	6.2	0.1	0.0733	0.0022	1.8454	0.0644	0.1824	0.0032	0.49	1022	62	1080	37	1062	74	-5.7	0.380	1022	62
3-13-38	whole	190.8	35.2	30.2	0.2	0.0783	0.0015	2.3965	0.0641	0.2208	0.0026	0.79	1154	43	1286	30	1242	66	-11.4	0.000		
3-13-34	whole	108.8	18.3	18.3	0.2	0.0779	0.0014	2.1347	0.0578	0.1968	0.0026	0.81	1143	42	1158	30	1160	63	-1.3	0.857	1143	42
3-13-32	core recrys	50.4	28.4	5.1	0.1	0.2369	0.0034	20.8536	2.1212	0.6264	0.0078	0.90	3100	90	3135	78	3132	637	-1.2	0.961	3100	90
3-13-49	whole	230.3	32.9	22.1	0.1	0.0733	0.0011	1.8104	0.0427	0.1804	0.0021	0.82	1022	32	1069	25	1049	50	-4.6	0.025	1022	32
3-13-47	core recrys	32.8	10.8	12.3	0.4	0.1058	0.0024	4.4918	0.3292	0.3149	0.0046	0.90	1728	77	1765	52	1729	254	-2.1	0.379	1728	77
3-13-46	mantle	72.5	10.5	7.9	0.1	0.0731	0.0017	1.8163	0.0649	0.1801	0.0025	0.94	1017	47	1068	30	1051	75	-4.9	0.149	1017	47
3-13-45	whole	26.3	5.5	7.1	0.3	0.0807	0.0029	2.4795	0.1963	0.2191	0.0034	0.90	1214	88	1277	40	1266	200	-5.2	0.789	1214	88
3-13-43	whole	17.5	3.0	2.0	0.1	0.0865	0.0031	2.5117	0.2343	0.2070	0.0036	0.90	1348	96	1213	42	1275	238	10.1	0.244	1348	96
3-13-60	whole	23.5	3.8	2.9	0.1	0.0768	0.0025	2.0347	0.3020	0.1953	0.0032	0.90	1117	74	1150	38	1127	335	-3.0	0.787	1117	74
3-13-62	core	111.8	29.6	15.4	0.1	0.1051	0.0017	4.4804	0.1178	0.3140	0.0039	0.90	1717	55	1760	44	1727	91	-2.5	0.000		
3-13-79	mantle	165.9	25.6	24.5	0.1	0.0742	0.0014	1.8653	0.0466	0.1842	0.0023	0.72	1046	38	1090	27	1069	53	-4.2	0.063	1046	38
3-13-64	mantle	86.1	43.5	18.5	0.2	0.1853	0.0027	13.3259	0.3551	0.5282	0.0065	0.99	2701	79	2734	67	2703	144	-1.2	0.000		
3-14-02	rim	28.8	4.1	4.7	0.2	0.0745	0.0026	2.0572	0.1459	0.1894	0.0027	0.90	1056	74	1118	32	1135	161	-5.9	0.647	1056	74
3-14-06	mantle	31.8	15.1	9.2	0.3	0.1808	0.0031	13.2980	0.6288	0.5280	0.0066	0.90	2660	92	2733	68	2701	255	-2.7	0.149	2660	92
3-14-07	whole	45.8	5.8	3.9	0.1	0.0755	0.0018	1.9614	0.0796	0.1895	0.0024	0.90	1083	51	1119	29	1102	89	-3.3	0.313	1083	51
3-14-08	rim	81.4	10.9	7.4	0.1	0.0792	0.0016	2.2049	0.0635	0.1985	0.0024	0.83	1176	47	1167	28	1183	68	0.8	0.205	1176	47
3-14-09	rim	18.9	2.6	2.5	0.1	0.0801	0.0039	2.2490	1.4636	0.1923	0.0039	0.90	1200	117	1134	46	1196	1557	5.5	0.890	1200	117
3-14-14	rim	353.1	59.4	21.3	0.1	0.0899	0.0012	3.2416	0.0646	0.2594	0.0026	0.78	1423	39	1487	30	1467	58	-4.5	0.041	1423	39
3-14-16	rim	228.7	31.5	26.1	0.1	0.0780	0.0012	2.1596	0.0454	0.1984	0.0021	0.70	1146	36	1167	24	1168	49	-1.8	0.892	1146	36
3-14-19	rim	245.7	46.0	28.1	0.1	0.0930	0.0013	3.4187	0.0731	0.2685	0.0025	0.90	1489	40	1533	29	1509	65	-3.0	0.001	1489	40
3-14-22	core	190.7	81.2	37.3	0.2	0.1875	0.0023	13.4439	0.2784	0.5246	0.0047	0.96	2720	67	2719	49	2711	112	0.0	0.195	2720	67
3-14-26	rim	83.2	12.0	8.5	0.1	0.0815	0.0016	2.3534	0.0816	0.2103	0.0025	0.90	1233	47	1230	29	1229	85	0.2	0.896	1233	47
3-14-30a	core	250.6	41.5	5.6	0.0	0.0940	0.0013	3.5815	0.0734	0.2697	0.0029	0.78	1508	42	1539	33	1545	63	-2.1	0.551	1508	42
3-14-30b	rim	217.1	29.3	5.7	0.0	0.0930	0.0014	3.2980	0.0746	0.2580	0.0027	0.84	1488	45	1480	31	1481	67	0.6	0.919	1488	45
3-14-33	whole	113.5	37.6	17.6	0.2	0.1801	0.0025	12.5057	0.2945	0.5017	0.0059	0.91	2654	72	2621	62	2643	124	1.2	0.033	2654	72
3-14-38	core	140.2	29.4	18.8	0.1	0.1145	0.0016	5.3946	0.1164	0.3421	0.0036	0.83	1872	53	1897	40	1884	81	-1.3	0.230	1872	53
3-14-39	core	92.4	32.1	10.4	0.1	0.1978	0.0027	14.9703	0.3727	0.5494	0.0051	0.90	2808	77	2823	52	2813	140	-0.5	0.364	2808	77
3-14-41	rim	348.1	108.0	12.8	0.0	0.1937	0.0024	14.4365	0.2639	0.5377	0.0049	0.79	2774	69	2774	51	2779	102	0.0	0.692	2774	69
3-14-42	whole	66.6	8.2	13.1	0.2	0.0752	0.0017	1.8819	0.0642	0.1885	0.0022	0.95	1074	50	1113	26	1075	73	-3.6	0.000		
3-14-47	mantle	35.4	4.3	6.8	0.2	0.0827	0.0044	2.1488	0.2051	0.1848	0.0026	0.90	1261	134	1093	30	1165	222	13.3	0.208	1261	134
3-14-48	whole	38.0	4.3	4.3	0.1	0.0778	0.0021	2.0441	0.0895	0.1938	0.0027	0.90	1142	61	1142	32	1130	99	0.0	0.508	1142	61
3-14-55	whole	135.6	23.7	7.1	0.1	0.1059	0.0017	4.5580	0.1164	0.3173	0.0035	0.94	1731	54	1777	39	1742	89	-2.6	0.000		
3-14-57	mantle	564.8	66.5	49.2	0.1	0.0794	0.0011	2.2459	0.0403	0.2078	0.0020	0.67	1183	32	1217	23	1196	43	-2.9	0.024	1183	32
3-14-65	whole	84.9	17.9	10.4	0.1	0.1143	0.0018	5.5648	0.1797	0.3463	0.0041	0.90	1868	60	1917	46	1911	123	-2.6	0.634	1868	60
3-14-67	whole	91.3	34.6	19.0	0.2	0.1830	0.0028	13.2174	0.4056	0.5263	0.0069	0.90	2681	82	2726	71	2695	165	-1.7	0.018	2681	82
3-14-69	whole	134.6	26.1	11.8	0.1	0.1052	0.0017	4.6217	0.1163	0.3199	0.0037	0.89	1718	54	1789	41	1753	88	-4.1	0.000		
3-14-71	mantle	19.2	2.4	3.2	0.2	0.0789	0.0034	1.9028	0.1975	0.1923	0.0037	0.90	1170	100	1134	44	1082	225	3.1	0.297	1170	100
3-14-76	whole	24.4	3.0	3.9	0.2	0.0756	0.0028	1.9959	0.2179	0.1914	0.0031	0.90	1085	81	1129	37	1114	243	-4.0	0.799	1085	81
3-14-82	whole	24.5	5.8	6.9	0.3	0.1118	0.0026	5.0004	0.5766	0.3224	0.0041	0.90	1830	86	1801	46	1819	420	1.5	0.825	1830	86
3-14-83	whole	27.0	3.5	6.1	0.2	0.0723	0.0028	1.8397	0.1623	0.1873	0.0032	0.90	996	77	1107	38	1060	187	-11.2	0.256	996	77
3-14-85	mantle	267.1	32.1	21.6	0.1	0.0788	0.0012	2.1974	0.0480	0.2038	0.0022	0.72	1167	37	1196	26	1180	52	-2.4	0.141	1167	37
3-14-87	whole	54.2	9.3	2.8	0.1	0.1011	0.0021	4.0264	0.1614	0.2967	0.0042	0.90	1644	69	1675	48	1640	131	-1.9	0.025	1644	69
3-14-90	whole	666.2	115.8	24.9	0.0	0.1057	0.0014	4.3570	0.0807	0.3050	0.0035	0.70	1727	46	1716	39	1704	63	0.6	0.354	1727	46
3-14-91	core	213.7	83.2	39.1	0.2	0.1933	0.0026	14.6825	0.3005	0.5513	0.0066	0.78	2771	75	2831	67	2795	114	-2.2	0.038	2771	75
3-14-94	whole	90.0	21.0	9.5	0.1	0.1212	0.0020	6.0499	0.2231	0.3733	0.0045	0.90	1974	65	2045	49	1983	146	-3.6	0.000		
3-14-114	whole	336.4	53.5	25.8	0.1	0.0784	0.0012	2.2431	0.0451	0.2050	0.0023	0.67	1156	35	1202	27	1195	48	-4.0	0.491	1156	35
3-14-115	whole	149.3	38.4	28.4	0.2	0.1004	0.0016	4.0365	0.0936	0.2894	0.0031	0.83	1631	51	1639	35	1642	76	-0.5	0.774	1631	51
1-15-03	whole	22.7	8.2	1.0	0.0	0.1849	0.0034	13.7154	1.1851	0.5130	0.0065	0.90	2697	100	2669	68	2730	472	1.0	0.322	2697	100
1-15-09	core	210.8	48.4	19.5	0.1	0.1119	0.0019	4.9857	0.1318	0.3236	0.0049	0.80	1831	62	1807	55	1817	96	1.3	0.520	1831	62

		Concentrations				Ratios							Ages									
Samples	zone	U (ppm)	Pb (ppm)	Th (ppm)	Th/U	207Pb/206	1σ abs	207Pb/235	1σ abs	206Pb/238	1σ abs	Rho	207Pb/206	2σ Ma	206Pb/238	2σ Ma	207Pb/235	2σ Ma	%disc	Prob.	Reported age	±2σ
Quartzites																						
1-15-16	core	167.2	35.9	14.7	0.1	0.1054	0.0016	4.4967	0.1108	0.3100	0.0032	0.95	1721	52	1741	36	1730	85	-1.1	0.140	1721	52
1-15-24	core	51.6	7.4	8.5	0.2	0.0802	0.0020	2.0910	0.1003	0.1907	0.0025	0.90	1201	59	1125	30	1146	110	6.3	0.345	1201	59
1-15-28	core	130.2	30.5	23.4	0.2	0.1059	0.0017	4.6634	0.1292	0.3054	0.0035	0.90	1730	56	1718	39	1761	98	0.7	0.000		
1-15-38	core	203.9	42.6	19.3	0.1	0.1028	0.0017	4.2593	0.0925	0.3010	0.0037	0.68	1675	54	1696	42	1686	73	-1.2	0.458	1675	54
1-15-49	whole	172.9	20.9	10.2	0.1	0.0764	0.0013	1.9280	0.0463	0.1862	0.0022	0.72	1106	39	1101	26	1091	52	0.4	0.370	1106	39
1-15-58	rim	129.5	54.2	20.1	0.2	0.1859	0.0026	13.5198	0.3319	0.5387	0.0057	0.90	2706	76	2778	59	2717	133	-2.7	0.000		
1-15-60	core	83.6	18.4	11.6	0.1	0.1036	0.0019	4.2845	0.1243	0.3024	0.0035	0.97	1689	61	1703	39	1690	98	-0.8	0.117	1689	61
1-15-61	rim	142.3	19.2	20.6	0.1	0.0739	0.0013	1.9526	0.0497	0.1880	0.0022	0.77	1039	38	1111	25	1099	56	-6.9	0.303	1039	38
1-15-80	core	37.0	5.9	6.1	0.2	0.0800	0.0023	2.0384	0.1198	0.1902	0.0028	0.90	1197	69	1122	33	1128	133	6.2	0.828	1197	69
1-15-81	core	25.4	4.4	5.8	0.2	0.0744	0.0025	2.0703	0.2532	0.1921	0.0030	0.90	1051	70	1133	36	1139	279	-7.8	0.928	1051	70
1-15-77	core	101.9	24.5	14.5	0.1	0.1003	0.0017	4.1939	0.1132	0.2916	0.0032	0.93	1629	56	1650	37	1673	90	-1.3	0.015	1629	56
1-15-90	core	156.1	26.9	18.0	0.1	0.0922	0.0021	2.6711	0.0902	0.2091	0.0026	0.92	1472	67	1224	31	1320	89	16.8	0.000		
1-15-89	core	229.2	49.4	18.6	0.1	0.1004	0.0016	3.8348	0.0845	0.2776	0.0036	0.72	1631	51	1579	41	1600	71	3.2	0.125	1631	51
1-15-109	whole	160.5	24.3	20.5	0.1	0.0776	0.0015	1.9797	0.0495	0.1880	0.0022	0.69	1137	43	1111	26	1109	55	2.3	0.876	1137	43
1-15-110	whole	56.7	8.3	7.4	0.1	0.0755	0.0021	1.9085	0.0921	0.1820	0.0027	0.90	1083	59	1078	32	1084	105	0.4	0.759	1083	59
1-15-112	whole	98.9	15.5	15.5	0.2	0.0800	0.0017	2.0698	0.0630	0.1883	0.0023	0.80	1197	52	1112	28	1139	69	7.1	0.046	1197	52
1-15-114	whole	72.7	22.1	15.3	0.2	0.1182	0.0021	5.6730	0.2163	0.3376	0.0042	0.90	1930	68	1875	47	1927	147	2.8	0.004	1930	68
1-15-115	whole	148.2	25.6	12.5	0.1	0.0863	0.0015	2.6646	0.0643	0.2261	0.0028	0.69	1344	48	1314	32	1319	64	2.2	0.720	1344	48
1-15-117c	core	166.5	42.2	12.7	0.1	0.1137	0.0017	5.1940	0.1220	0.3280	0.0039	0.84	1860	56	1829	43	1852	87	1.7	0.036	1860	56
1-15-117r	rim	43.5	9.2	3.3	0.1	0.1039	0.0021	4.5076	0.1876	0.3187	0.0044	0.90	1695	67	1783	49	1732	144	-5.2	0.002	1695	67
1-15-130	core	289.6	121.0	28.0	0.1	0.1996	0.0026	16.0034	0.3320	0.5807	0.0069	0.83	2823	72	2952	70	2877	119	-4.6	0.000		
1-15-133	whole	106.3	14.4	16.6	0.2	0.0766	0.0015	1.9904	0.0505	0.1882	0.0023	0.64	1112	44	1112	28	1112	56	0.0	0.961	1112	44
3-15-08	whole	50.3	10.8	5.0	0.1	0.0916	0.0020	3.5166	0.3324	0.2659	0.0034	0.90	1458	63	1520	39	1531	289	-4.2	0.855	1458	63
3-15-09	whole	35.0	5.6	5.5	0.2	0.0769	0.0027	2.1007	0.1647	0.1885	0.0031	0.90	1118	78	1113	36	1149	180	0.4	0.382	1118	78
3-15-06	whole	15.6	2.9	4.6	0.3	0.0679	0.0033	1.7552	0.3946	0.1843	0.0033	0.90	866	85	1090	39	1029	463	-25.9	0.622	1090	79
3-15-13	whole	28.8	5.3	8.0	0.3	0.0735	0.0027	1.8260	0.3905	0.1903	0.0029	0.90	1026	76	1123	34	1055	451	-9.4	0.574	1026	76
3-15-15	whole	98.2	15.4	11.9	0.1	0.0776	0.0017	2.0729	0.0631	0.1910	0.0023	0.82	1136	50	1127	27	1140	69	0.8	0.316	1136	50
3-15-28	whole	85.0	20.8	4.6	0.1	0.1077	0.0020	4.6467	0.1347	0.3160	0.0039	0.91	1761	65	1770	44	1758	102	-0.5	0.220	1761	65
3-15-27	whole	27.3	6.8	1.7	0.1	0.1035	0.0028	4.4259	0.3443	0.3212	0.0045	0.90	1687	91	1796	50	1717	267	-6.4	0.064	1687	91
3-15-34	mantle	56.7	8.9	4.6	0.1	0.0759	0.0022	2.0101	0.0892	0.2012	0.0027	0.90	1093	62	1182	32	1119	99	-8.2	0.000		
3-15-70	core	204.7	59.3	42.9	0.2	0.1061	0.0015	4.5462	0.0949	0.3188	0.0036	0.77	1733	49	1784	40	1739	73	-2.9	0.000		
3-15-152	whole	43.9	7.1	4.4	0.1	0.0741	0.0028	1.9304	0.2184	0.1859	0.0033	0.90	1044	78	1099	39	1092	247	-5.2	0.901	1044	78
3-15-151	whole	121.9	34.4	14.3	0.1	0.1049	0.0023	4.4370	0.1322	0.3052	0.0043	0.73	1713	74	1717	49	1719	102	-0.3	0.897	1713	74
3-15-01	rim	46.2	8.1	6.5	0.1	0.0708	0.0026	1.7569	0.1069	0.1914	0.0032	0.90	950	70	1129	38	1030	125	-18.8	0.000		
3-15-04	whole	76.4	13.7	13.5	0.2	0.0764	0.0022	1.9082	0.0749	0.1863	0.0028	0.78	1104	64	1101	34	1084	85	0.3	0.300	1104	64
3-15-05	rim	20.6	3.6	3.3	0.2	0.0734	0.0035	1.9153	0.2583	0.1889	0.0036	0.90	1024	98	1115	43	1086	293	-9.0	0.684	1024	98
3-15-23	rim	65.5	11.1	7.6	0.1	0.0720	0.0022	1.9402	0.0977	0.1929	0.0027	0.90	985	60	1137	32	1095	110	-15.5	0.040	1137	64
3-15-24	core	236.1	43.6	50.2	0.2	0.0720	0.0016	1.7747	0.0516	0.1836	0.0024	0.68	986	44	1087	29	1036	60	-10.2	0.000		
3-15-37	whole	50.1	8.6	3.5	0.1	0.0775	0.0023	2.3747	0.1218	0.2072	0.0034	0.90	1134	68	1214	40	1235	127	-7.0	0.343	1134	68
3-15-43	whole	15.4	4.4	1.9	0.1	0.1003	0.0045	4.5777	1.0042	0.3167	0.0057	0.90	1629	145	1774	63	1745	766	-8.9	0.855	1629	145
3-15-63	whole	93.0	16.9	17.2	0.2	0.0746	0.0019	1.9514	0.0894	0.1911	0.0025	0.90	1059	55	1127	29	1099	101	-6.5	0.136	1059	55
3-15-64	rim	243.4	41.0	27.9	0.1	0.0733	0.0017	1.9523	0.0574	0.1924	0.0024	0.69	1023	47	1134	28	1099	65	-10.9	0.013	1023	47
3-15-55c	core	99.6	38.7	17.9	0.2	0.1931	0.0028	14.5812	0.4123	0.5382	0.0066	0.90	2769	79	2776	68	2788	158	-0.3	0.311	2769	79
3-15-55r	rim	38.5	15.4	8.5	0.2	0.1854	0.0032	14.2274	1.1147	0.5384	0.0071	0.90	2702	93	2777	74	2765	433	-2.8	0.809	2702	93
3-15-71	whole	90.8	20.3	26.0	0.3	0.0962	0.0017	3.8275	0.1111	0.2932	0.0035	0.95	1551	56	1658	39	1599	93	-6.9	0.000		
3-15-69	whole	30.9	3.5	4.0	0.1	0.0709	0.0022	1.8423	0.2309	0.1803	0.0029	0.90	953	60	1069	34	1061	266	-12.1	0.908	953	60
3-15-74	whole	197.2	21.3	8.7	0.0	0.0752	0.0013	1.9997	0.0471	0.1916	0.0023	0.69	1073	37	1130	28	1115	53	-5.3	0.204	1073	37
3-15-76	whole	33.6	12.0	3.9	0.1	0.1889	0.0032	13.8341	0.6786	0.5354	0.0062	0.90	2733	92	2764	64	2738	269	-1.1	0.300	2733	92
3-15-81	rim	258.9	33.9	17.2	0.1	0.0841	0.0015	2.5861	0.0598	0.2243	0.0023	0.68	1296	46	1305	27	1297	60	-0.7	0.526	1296	46
3-15-84	whole	86.3	10.5	12.0	0.1	0.0769	0.0019	2.0182	0.0747	0.1917	0.0038	0.78	1117	56	1131	45	1122	83	-1.2	0.569	1117	56
3-15-86	whole	33.6	4.6	8.2	0.2	0.0771	0.0027	2.0642	0.1914	0.1892	0.0029	0.90	1123	77	1117	34	1137	211	0.5	0.694	1123	77
3-15-95	whole	237.0	53.0	32.6	0.1	0.1145	0.0016	5.3210	0.1113	0.3445	0.0036	0.80	1872	53	1908	40	1872	78	-2.0	0.001	1872	53
3-15-122	rim	359.8	116.2	11.0	0.0	0.1863	0.0024	13.8097	0.2466	0.5375	0.0049	0.73	2710	69	2773	51	2737	98	-2.3	0.011	2710	69

		Concentrations				Ratios							Ages										
Samples	zone	U (ppm)	Pb (ppm)	Th (ppm)	Th/U	207Pb/206	1σ abs	207Pb/235	1σ abs	206Pb/238	1σ abs	Rho	207Pb/206	2σ Ma	207Pb/235	2σ Ma	206Pb/238	2σ Ma	%disc	Prob		Reported age	±2σ
Matrix																							
1-16-12	whole	154.2	26.5	11.4	0.07	0.0761	0.0013	1.9855	0.0459	0.1884	0.0026	0.68	1098	38	1111	51	1113	30	-1	0.859		1098	38
1-16-21	core	650.6	46.9	29.9	0.05	0.0602	0.0010	0.6737	0.0159	0.0852	0.0012	0.70	610	21	523	25	527	15	14	0.548	**********	527	15
1-16-22	core	311.6	23.4	16.0	0.05	0.0609	0.0012	0.7487	0.0216	0.0880	0.0015	0.79	637	24	567	33	544	18	15	0.003	**********	544	18
1-16-24	core	290.0	20.2	29.7	0.10	0.0541	0.0011	0.5511	0.0122	0.0735	0.0010	0.41	377	16	446	20	457	12	-21	0.137		457	12
1-16-25	core	312.3	22.9	15.6	0.05	0.0637	0.0012	0.7459	0.0201	0.0853	0.0014	0.73	733	28	566	31	528	17	28	0.000			
1-16-45	core	114.6	8.1	16.1	0.14	0.0561	0.0017	0.5414	0.0214	0.0694	0.0009	0.84	458	27	439	35	433	11	5	0.504		433	11
1-16-100	core	172.0	43.8	20.1	0.12	0.0932	0.0015	3.2445	0.0714	0.2551	0.0032	0.71	1492	47	1468	65	1465	37	2	0.809		1492	47
2-16-01	whole	887.0	116.5	75.0	0.08	0.0768	0.0011	2.0827	0.0368	0.2093	0.0026	0.60	1117	32	1143	40	1225	30	-10	0.000			
2-16-02	whole	434.7	84.8	22.7	0.05	0.1076	0.0014	4.7265	0.0835	0.3171	0.0038	0.66	1759	47	1772	63	1776	42	-1	0.801		1759	47
2-16-05	whole	665.9	74.3	16.1	0.02	0.0766	0.0011	2.0265	0.0367	0.1957	0.0022	0.63	1111	31	1124	41	1152	26	-4	0.007		1111	31
2-16-06	whole	69.6	11.5	8.2	0.12	0.0855	0.0017	2.9556	0.0788	0.2478	0.0035	0.71	1327	52	1396	74	1427	40	-8	0.035		1327	52
2-16-07	whole	18.2	3.2	1.3	0.07	0.1019	0.0035	4.1442	0.2429	0.2788	0.0050	0.90	1659	114	1663	195	1585	57	4	0.010		1659	114
2-16-11	whole	144.7	15.8	6.4	0.04	0.0766	0.0012	1.9143	0.0391	0.1845	0.0022	0.64	1111	35	1086	44	1092	26	2	0.617		1111	35
2-16-12	rim	29.1	1.3	3.2	0.11	0.0559	0.0030	0.5634	0.0307	0.0708	0.0014	0.22	446	48	454	49	441	18	1	0.522		441	18
2-16-13	whole	145.9	18.9	6.2	0.04	0.0821	0.0015	2.4612	0.0557	0.2191	0.0028	0.60	1247	45	1261	57	1277	33	-2	0.243		1247	45
2-16-15	core	23.5	9.6	5.0	0.21	0.1908	0.0036	12.7937	0.6277	0.5109	0.0098	0.90	2749	104	2665	261	2660	102	3	0.839		2749	104
2-16-16	whole	454.0	54.6	21.6	0.05	0.0798	0.0012	2.1742	0.0415	0.2011	0.0022	0.63	1192	36	1173	45	1181	26	1	0.445		1192	36
2-16-17	whole	157.7	39.7	10.5	0.07	0.1236	0.0020	6.3190	0.1464	0.3685	0.0045	0.75	2008	65	2021	94	2022	49	-1	0.933		2008	65
2-16-18	whole	167.9	51.4	15.1	0.09	0.1658	0.0025	9.5987	0.2206	0.4223	0.0057	0.77	2515	77	2397	110	2271	61	10	0.000			
2-16-20	whole	338.5	60.1	31.6	0.09	0.0905	0.0013	3.1449	0.0634	0.2573	0.0034	0.67	1436	43	1444	58	1476	39	-3	0.015		1436	43
2-16-21	whole	21.4	3.2	2.1	0.10	0.0837	0.0034	2.3438	0.1575	0.2156	0.0035	0.90	1285	103	1226	165	1259	41	2	0.292		1285	103
2-16-22	whole	172.8	28.6	13.0	0.08	0.0867	0.0016	2.9378	0.0734	0.2461	0.0039	0.68	1354	50	1392	70	1418	45	-5	0.091		1354	50
2-16-23	whole	56.1	6.4	4.1	0.07	0.0747	0.0021	1.8044	0.0637	0.1729	0.0026	0.65	1061	59	1047	74	1028	31	3	0.282		1061	59
2-16-24	core	39.2	2.0	5.1	0.13	0.0556	0.0033	0.5391	0.0336	0.0724	0.0012	0.35	438	51	438	55	451	15	-3	0.537		451	15
2-16-26	whole	129.2	50.6	22.9	0.18	0.1812	0.0030	12.2523	0.3453	0.4872	0.0075	0.87	2664	89	2624	148	2559	79	4	0.000			
2-16-27	whole	46.3	2.4	6.4	0.14	0.0620	0.0033	0.5942	0.0379	0.0711	0.0015	0.63	672	71	474	60	443	19	34	0.127		443	19
2-16-29	whole	116.0	14.5	10.3	0.09	0.0752	0.0016	1.9073	0.0505	0.1852	0.0022	0.64	1074	45	1084	57	1095	26	-2	0.389		1074	45
2-16-31	whole	358.2	48.7	31.6	0.09	0.0764	0.0012	2.1388	0.0436	0.2017	0.0025	0.66	1105	34	1161	47	1184	29	-7	0.042		1105	34
2-16-33	whole	172.0	28.6	10.9	0.06	0.0779	0.0019	2.1198	0.0691	0.1964	0.0027	0.72	1145	57	1155	75	1156	31	-1	0.965		1145	57
2-16-52	core	798.7	49.6	44.2	0.06	0.0596	0.0012	0.6182	0.0131	0.0751	0.0009	0.38	588	23	489	21	467	11	21	0.006	**********	467	22
2-16-149	whole	128.0	35.3	7.7	0.06	0.1073	0.0021	4.7191	0.1490	0.3227	0.0046	0.90	1755	69	1771	112	1803	52	-3	0.004		1755	69
2-16-148	whole	69.9	12.5	12.3	0.18	0.0770	0.0023	1.9006	0.0773	0.1851	0.0027	0.84	1120	66	1081	88	1095	32	2	0.417		1120	66
2-16-146	whole	67.0	12.6	20.4	0.30	0.0744	0.0015	1.7463	0.0556	0.1693	0.0022	0.93	1052	43	1026	65	1008	26	4	0.101		1052	43
2-16-144	whole	90.5	18.9	15.2	0.17	0.0828	0.0017	2.4212	0.0705	0.2161	0.0027	0.80	1264	52	1249	73	1261	31	0	0.334		1264	52
2-16-133	whole	54.4	27.5	9.1	0.17	0.1788	0.0031	11.7756	0.3099	0.4965	0.0065	0.81	2642	93	2587	136	2599	68	2	0.472		2642	93
2-16-131	mantle	23.7	1.4	2.0	0.09	0.0592	0.0050	0.5526	0.0431	0.0701	0.0016	0.10	576	97	447	70	437	20	24	0.732		437	20
2-16-129	whole	84.0	26.8	15.1	0.18	0.1124	0.0022	4.8742	0.1498	0.3203	0.0041	0.90	1838	73	1798	110	1791	46	3	0.573		1838	73
2-16-127	whole	154.4	22.0	9.4	0.06	0.0742	0.0015	1.8116	0.0550	0.1709	0.0020	0.93	1047	42	1050	64	1017	24	3	0.003		1047	42
2-16-126	whole	62.3	8.9	7.9	0.13	0.0698	0.0018	1.5141	0.0497	0.1585	0.0023	0.62	923	49	936	61	948	28	-3	0.430		948	28
2-16-124	mantle	100.7	6.4	14.2	0.14	0.0566	0.0020	0.5729	0.0190	0.0722	0.0010	0.01	476	34	460	30	449	12	6	0.440		449	12
2-16-121	mantle	43.5	2.9	7.5	0.17	0.0647	0.0037	0.6521	0.0474	0.0719	0.0014	0.83	765	88	510	74	448	18	41	0.008		448	18
2-16-120	core	234.6	40.3	46.4	0.20	0.0751	0.0016	1.8063	0.0509	0.1818	0.0033	0.64	1072	46	1048	59	1077	39	0	0.060		1072	46
2-16-119	whole	67.5	16.5	12.1	0.18	0.0902	0.0021	3.3474	0.1566	0.2649	0.0046	0.90	1429	68	1492	140	1515	52	-6	0.211		1429	68
2-16-117	whole	80.9	11.0	4.5	0.06	0.0700	0.0015	1.6349	0.0565	0.1711	0.0023	0.90	928	40	984	68	1018	27	-10	0.002		928	40
2-16-115	whole	64.3	31.9	8.4	0.13	0.1850	0.0026	13.7658	0.3656	0.5283	0.0065	0.90	2698	77	2734	145	2734	67	-1	0.963		2698	77
2-16-114	whole	143.6	23.2	10.0	0.07	0.0797	0.0017	2.2343	0.0795	0.1989	0.0029	0.90	1191	50	1192	85	1169	34	2	0.092		1191	50
2-16-113	whole	81.4	24.2	12.1	0.15	0.1122	0.0018	4.8369	0.1536	0.3265	0.0045	0.90	1835	60	1791	114	1821	51	1	0.009		1835	60
2-16-112	whole	234.3	35.4	12.3	0.05	0.0761	0.0013	1.9816	0.0598	0.1903	0.0026	0.95	1096	38	1109	67	1123	31	-2	0.075		1096	38
2-16-110	whole	61.6	10.8	9.0	0.15	0.0751	0.0022	2.1009	0.0710	0.1982	0.0026	0.55	1072	62	1149	78	1166	30	-9	0.390		1072	62
2-16-109	whole	70.9	11.5	8.5	0.12	0.0749	0.0017	1.9606	0.0643	0.1887	0.0026	0.83	1067	49	1102	72	1114	30	-4	0.345		1067	49
2-16-107	core	579.1	48.0	25.2	0.04	0.0695	0.0018	1.0309	0.0686	0.1072	0.0048	0.97	915	46	719	96	656	59	28	0.000			
2-16-101	core	141.7	20.0	12.4	0.09	0.0731	0.0015	1.7808	0.0474	0.1732	0.0019	0.72	1016	41	1038	55	1030	22	-1	0.476		1016	41
2-16-98	whole	178.2	24.3	9.7	0.05	0.0730	0.0015	1.7074	0.0495	0.1739	0.0019	0.85	1014	42	1011	59	1034	22	-2	0.042		1014	42
2-16-96	whole	39.3	7.2	5.6	0.14	0.0816	0.0025	2.3827	0.0925	0.2091	0.0029	0.69	1235	76	1237	96	1224	34	1	0.516		1235	76
2-16-91	mantle	87.0	14.5	11.8	0.14	0.0772	0.0018	2.0875	0.0745	0.1934	0.0021	0.90	1126	53	1145	82	1140	25	-1	0.745		1126	53
2-16-90	rim	209.6	32.3	8.6	0.04	0.0789	0.0016	2.1865	0.0599	0.1989	0.0026	0.72	1169	47	1177	64	1169	30	0	0.582		1169	47
2-16-89	whole	384.1	59.1	30.8	0.08	0.0766	0.0013	2.0337	0.0461	0.1894	0.0021	0.67	1110	39	1127	51	1118	24	-1	0.451		1110	39
2-16-88	rim	201.7	30.3	17.8	0.09	0.0737	0.0015	1.8930	0.0483	0.1840	0.0022	0.67	1034	41	1079	55	1089	26	-5	0.421		1034	41
2-16-87	whole	9.9	5.2	2.9	0.30	0.1786	0.0047	11.8033	1.2810	0.4954	0.0123	0.90	2640	138	2589	562	2594	129	2	0.931		2640	138
2-16-86	rim	106.1	17.5	14.0	0.13	0.0800	0.0017	2.1612	0.0592	0.1922	0.0021	0.70	1196	51	1169	64	1133	25	5	0.012		1196	51

		Concentrations				Ratios							Ages									
Samples	zone	U (ppm)	Pb (ppm)	Th (ppm)	Th/U	207Pb/206	1σ abs	207Pb/235	1σ abs	206Pb/238	1σ abs	Rho	207Pb/206	2σ Ma	207Pb/235	2σ Ma	206Pb/238	2σ Ma	%disc	Prob		Reported age ±2σ	
Matrix																							
2-16-84	whole	151.2	21.1	12.1	0.08	0.0747	0.0015	1.8151	0.0464	0.1733	0.0019	0.68	1059	42	1051	54	1030	23	3	0.097		1059	42
2-16-82	rim	178.1	32.7	22.1	0.12	0.0803	0.0013	2.2737	0.0501	0.2039	0.0024	0.68	1204	40	1204	53	1196	29	1	0.500		1204	40
2-16-81	rim	29.3	6.4	3.3	0.11	0.0845	0.0021	2.9268	0.1280	0.2440	0.0036	0.90	1304	64	1389	121	1407	41	-8	0.299		1304	64
2-16-80	whole	176.1	28.1	7.8	0.04	0.0776	0.0011	2.1569	0.0433	0.1953	0.0021	0.72	1137	33	1167	47	1150	25	-1	0.077		1137	33
2-16-79	whole	174.2	25.1	10.5	0.06	0.0728	0.0012	1.7276	0.0343	0.1731	0.0019	0.59	1010	32	1019	40	1029	23	-2	0.339		1010	32
2-16-75	whole	330.7	48.3	21.2	0.06	0.0737	0.0011	1.7707	0.0344	0.1750	0.0017	0.67	1034	30	1035	40	1040	20	-1	0.606		1034	30
2-16-74	whole	90.1	19.3	12.9	0.14	0.0851	0.0016	2.6396	0.0684	0.2326	0.0031	0.69	1317	51	1312	68	1348	36	-2	0.010		1317	51
2-16-73	whole	85.3	15.2	14.7	0.17	0.0767	0.0014	2.0201	0.0514	0.1893	0.0025	0.72	1113	41	1122	57	1118	29	0	0.697		1113	41
2-16-71	whole	50.0	11.9	4.0	0.08	0.1012	0.0017	3.6515	0.1021	0.2751	0.0032	0.97	1647	56	1561	87	1567	36	5	0.445		1647	56
2-16-70	mantle	316.1	19.5	28.0	0.09	0.0548	0.0010	0.5433	0.0127	0.0728	0.0008	0.58	404	15	441	21	453	11	-12	0.066		453	11
2-16-68	core	102.6	21.3	8.9	0.09	0.0872	0.0015	2.8058	0.0698	0.2401	0.0029	0.75	1365	48	1357	67	1387	34	-2	0.015		1365	48
2-16-67	mantle	119.2	7.7	16.8	0.14	0.0548	0.0015	0.5443	0.0170	0.0721	0.0010	0.44	404	23	441	28	449	12	-11	0.455		449	12
2-16-66	whole	245.7	31.3	16.5	0.07	0.0739	0.0012	1.8171	0.0390	0.1766	0.0022	0.70	1039	32	1052	45	1048	26	-1	0.753		1039	32
2-16-65	whole	137.4	19.4	14.0	0.10	0.0755	0.0013	1.9467	0.0448	0.1895	0.0021	0.71	1082	37	1097	50	1119	25	-3	0.048		1082	37
2-16-64	whole	457.9	61.0	26.7	0.06	0.0743	0.0010	1.9007	0.0312	0.1871	0.0021	0.56	1048	29	1081	36	1106	24	-5	0.019		1048	29
2-16-63	mantle	117.0	18.2	11.8	0.10	0.0805	0.0014	2.3101	0.0611	0.2076	0.0024	0.86	1209	42	1215	64	1216	28	-1	0.951		1209	42
2-16-62	whole	289.5	36.6	17.1	0.06	0.0717	0.0010	1.7140	0.0315	0.1780	0.0020	0.61	976	28	1014	37	1056	24	-8	0.000			
2-16-59	whole	292.0	37.7	14.0	0.05	0.0736	0.0011	1.8468	0.0357	0.1837	0.0020	0.63	1031	31	1062	41	1087	24	-5	0.016		1031	31
2-16-58	whole	52.0	25.4	8.0	0.15	0.2049	0.0028	15.9615	0.5021	0.5706	0.0065	0.90	2866	78	2874	181	2910	66	-2	0.005		2866	78
2-16-44	whole	140.0	19.7	9.5	0.07	0.0785	0.0014	2.1176	0.0548	0.1952	0.0025	0.77	1160	42	1155	60	1149	29	1	0.655		1160	42
2-16-45	rim	107.3	17.4	10.7	0.10	0.0813	0.0014	2.4037	0.0631	0.2162	0.0023	0.93	1228	41	1244	65	1262	27	-3	0.031		1228	41
2-16-46	whole	59.0	8.6	4.6	0.08	0.0752	0.0016	2.0316	0.0760	0.2009	0.0026	0.90	1075	46	1126	84	1180	30	-10	0.000			
2-16-41	whole	247.9	34.3	17.5	0.07	0.0771	0.0011	2.0347	0.0396	0.1920	0.0021	0.70	1123	32	1127	44	1132	25	-1	0.605		1123	32
1-23-105	whole	210.4	35.8	15.7	0.07	0.0939	0.0014	3.2920	0.0770	0.2581	0.0031	0.84	1506	45	1479	69	1480	36	2	0.924		1506	45
1-23-108	rim	180.9	19.4	7.9	0.04	0.0733	0.0012	1.7630	0.0420	0.1737	0.0021	0.77	1021	34	1032	49	1032	25	-1	0.958		1021	34
1-23-115	whole	77.1	12.6	7.9	0.10	0.0886	0.0018	2.8950	0.1075	0.2394	0.0033	0.90	1396	56	1381	103	1384	38	1	0.839		1396	56
1-23-2	core	178.4	20.4	16.8	0.09	0.0749	0.0012	1.8056	0.0414	0.1724	0.0020	0.73	1066	35	1047	48	1025	24	4	0.033		1066	35
1-23-7	core	121.1	27.3	18.9	0.16	0.1056	0.0017	4.4354	0.1194	0.3081	0.0041	0.88	1725	57	1719	93	1731	46	0	0.240		1725	57
1-23-11	whole	212.3	27.0	9.7	0.05	0.0797	0.0012	2.2815	0.0450	0.2055	0.0022	0.67	1189	35	1207	48	1205	25	-1	0.866		1189	35
1-23-21	whole	67.4	9.0	7.3	0.11	0.0800	0.0017	2.1835	0.0745	0.1979	0.0025	0.90	1197	50	1176	80	1164	30	3	0.373		1197	50
1-23-22	core	145.6	18.7	19.3	0.13	0.0749	0.0013	1.9086	0.0489	0.1860	0.0022	0.81	1065	38	1084	56	1100	26	-3	0.125		1065	38
1-23-23	whole	868.4	100.0	6.3	0.01	0.0731	0.0010	1.7596	0.0299	0.1871	0.0020	0.60	1017	28	1031	35	1106	24	-9	0.000			
1-23-25	rim	102.7	17.4	4.1	0.04	0.0913	0.0015	3.1699	0.0824	0.2558	0.0029	0.90	1454	48	1450	75	1468	33	-1	0.044		1454	48
1-23-31	whole	56.5	14.2	6.9	0.12	0.1133	0.0019	5.3161	0.1568	0.3283	0.0040	0.90	1853	64	1871	110	1830	45	1	0.001		1853	64
1-23-32	whole	29.6	3.6	1.9	0.07	0.0687	0.0021	1.7136	0.1261	0.1769	0.0025	0.90	890	53	1014	149	1050	30	-18	0.289		1050	59
1-23-41	whole	241.0	65.7	55.6	0.23	0.1057	0.0015	4.5971	0.0894	0.3122	0.0033	0.73	1727	48	1749	68	1752	37	-1	0.818		1727	48
1-23-45	core	326.7	17.4	41.4	0.13	0.0555	0.0011	0.5390	0.0121	0.0714	0.0008	0.50	432	17	438	20	445	10	-3	0.329		445	10
1-23-48	whole	316.4	38.0	11.0	0.03	0.0750	0.0011	1.8905	0.0354	0.1858	0.0019	0.67	1067	30	1078	40	1099	23	-3	0.027		1067	30
1-23-51	rim	45.0	5.1	3.1	0.07	0.0704	0.0019	1.5383	0.0746	0.1646	0.0023	0.90	940	50	946	92	982	27	-5	0.050		982	27
1-23-52	whole	243.0	31.8	11.5	0.05	0.0767	0.0012	2.0849	0.0442	0.1967	0.0024	0.66	1114	36	1144	49	1158	28	-4	0.224		1114	36
1-23-59	whole	205.8	26.1	15.1	0.07	0.0744	0.0012	1.8533	0.0411	0.1829	0.0022	0.70	1053	34	1065	47	1083	26	-3	0.081		1053	34
1-23-56	whole	182.8	37.7	7.0	0.04	0.1100	0.0017	4.6539	0.1007	0.3083	0.0039	0.72	1799	55	1759	76	1732	44	4	0.057		1799	55
1-23-66	rim	32.4	18.2	2.1	0.06	0.2058	0.0038	16.4627	0.9008	0.5801	0.0113	0.90	2872	107	2904	318	2949	115	-3	0.044		2872	107
1-23-82	whole	359.9	54.4	8.3	0.02	0.0747	0.0013	1.9128	0.0485	0.1855	0.0036	0.75	1060	36	1086	55	1097	42	-3	0.382		1060	36
1-23-92	whole	234.6	37.4	9.4	0.04	0.0763	0.0012	2.0049	0.0477	0.1890	0.0026	0.75	1103	36	1117	53	1116	31	-1	0.912		1103	36
2-23-110	rim	285.9	16.4	29.4	0.10	0.0559	0.0012	0.5375	0.0147	0.0713	0.0008	0.63	448	20	437	24	444	10	1	0.344		444	10
2-23-105	whole	180.6	23.3	8.8	0.05	0.0729	0.0013	1.7280	0.0488	0.1723	0.0021	0.93	1010	35	1019	58	1025	25	-1	0.491		1010	35
2-23-102	whole	90.2	14.3	11.9	0.13	0.0761	0.0014	1.9344	0.0548	0.1890	0.0020	0.93	1099	41	1093	62	1116	24	-2	0.014		1099	41
2-23-101	whole	32.2	4.7	2.4	0.07	0.0771	0.0023	1.9456	0.1908	0.1851	0.0026	0.90	1123	68	1097	215	1095	31	2	0.968		1123	68
2-23-100	whole	411.4	58.5	24.6	0.06	0.0767	0.0010	1.9943	0.0358	0.1869	0.0020	0.65	1113	30	1114	40	1105	23	1	0.350		1113	30
2-23-96	whole	27.5	1.6	3.4	0.12	0.0659	0.0038	0.6486	0.0516	0.0688	0.0014	0.90	803	93	508	81	429	18	47	0.002	**********	429	36
2-23-94	whole	361.2	47.8	17.8	0.05	0.0727	0.0011	1.7628	0.0351	0.1771	0.0021	0.69	1004	29	1032	41	1051	25	-5	0.045		1004	29
2-23-89	mantle	179.8	45.4	16.1	0.09	0.1061	0.0014	4.5294	0.0966	0.3137	0.0035	0.84	1733	47	1736	74	1759	39	-1	0.023		1733	47
2-23-80	whole	73.3	9.6	4.2	0.06	0.0698	0.0015	1.6811	0.0510	0.1743	0.0021	0.80	922	41	1001	61	1036	25	-12	0.004		1036	41
2-23-78	whole	142.5	46.4	33.7	0.24	0.1105	0.0015	5.1458	0.1140	0.3393	0.0035	0.88	1808	50	1844	82	1883	39	-4	0.000			
2-23-73	whole	53.5	12.1	4.4	0.08	0.0999	0.0018	3.8405	0.1178	0.2837	0.0035	0.90	1621	59	1601	98	1610	40	1	0.452		1621	59
2-23-2	core	610.9	26.6	16.7	0.03	0.0564	0.001	0.5783	0.0114	0.0755	0.0008	0.52	468	16	463	18	469	11	0	0.356	**********	469	11
2-23-3	whole	102.5	10.7	6.3	0.06	0.0756	0.0016	1.7249	0.0521	0.1688	0.0019	0.82	1084	47	1018	61	1005	23	7	0.323		1084	47
2-23-5	core	127.2	25.9	11.1	0.09	0.1061	0.0016	4.5276	0.1098	0.3119	0.0035	0.91	1733	51	1736	84	1750	39	-1	0.094		1733	51

		Concentrations				Ratios							Ages									
Samples	zone	U (ppm)	Pb (ppm)	Th (ppm)	Th/U	207Pb/206	1σ abs	207Pb/235	1σ abs	206Pb/238	1σ abs	Rho	207Pb/206	2σ Ma	207Pb/235	2σ Ma	206Pb/238	2σ Ma	%disc	Prob	Reported age	±2σ
Matrix																						
2-23-7	whole	527.2	188.8	59.0	0.11	0.18	0.0023	12.6351	0.2177	0.5061	0.005	0.7	2653	67	2653	92	2640	53	0	0.401	2653	67
2-23-8	whole	24.8	2.9	1.7	0.07	0.0733	0.0026	1.8591	0.3215	0.1844	0.003	0.9	1022	74	1067	369	1091	35	-7	0.805	1022	74
2-23-10	mantle	48.1	5.2	3.2	0.07	0.0721	0.0019	1.7481	0.0644	0.173	0.0021	0.92	989	51	1026	76	1029	25	-4	0.877	1029	51
2-23-16	rim	114.0	12.9	10.3	0.09	0.0718	0.0015	1.7462	0.0547	0.1757	0.0023	0.9	980	40	1026	64	1043	27	-6	0.083	1043	40
2-23-21	mantle	88.3	10.0	8.8	0.10	0.0732	0.0016	1.7487	0.0595	0.1736	0.0021	0.9	1019	44	1027	70	1032	25	-1	0.677	1019	44
2-23-22	core	50.9	21.3	11.6	0.23	0.1848	0.0028	13.3901	0.5365	0.5163	0.0061	0.9	2696	82	2708	217	2683	64	0	0.204	2696	82
2-23-29	whole	20.4	4.3	2.0	0.10	0.1067	0.0026	4.9656	0.5285	0.3137	0.0047	0.9	1744	85	1813	386	1759	52	-1	0.454	1744	85
2-23-24	whole	218.0	30.1	24.4	0.11	0.0793	0.0012	2.2304	0.0467	0.2084	0.0023	0.7	1180	36	1191	50	1220	27	-3	0.005	1180	36
2-23-36	whole	26.4	1.5	2.2	0.08	0.06	0.0036	0.587	0.1022	0.0696	0.0015	0.9	604	73	469	163	434	19	28	0.549	434	19
2-23-35c	core	330.9	19.0	27.5	0.08	0.0564	0.0011	0.5533	0.0128	0.0709	0.0009	0.52	468	19	447	21	442	11	6	0.441	442	11
2-23-35r	rim	433.7	24.6	32.0	0.07	0.0543	0.0011	0.54	0.0122	0.0719	0.0011	0.53	384	15	438	20	448	13	-17	0.203	448	13
2-23-33	whole	45.5	10.4	2.5	0.05	0.0989	0.0019	3.9971	0.1864	0.2914	0.0035	0.9	1603	63	1634	152	1649	40	-3	0.517	1603	63
2-23-42	whole	320.0	76.9	27.2	0.08	0.1011	0.0014	4.0386	0.0761	0.2905	0.0029	0.7	1644	46	1642	62	1644	33	0	0.861	1644	46
2-23-43	whole	176.5	36.9	8.8	0.05	0.0942	0.0014	3.501	0.0732	0.2707	0.0029	0.72	1512	46	1527	64	1544	33	-2	0.150	1512	46
2-23-47	mantle	104.7	5.9	7.7	0.07	0.0597	0.0016	0.5659	0.0211	0.0701	0.001	0.8	593	32	455	34	437	12	26	0.056	437	12
2-23-54	whole	112.3	22.1	7.4	0.07	0.0891	0.0015	3.0291	0.0758	0.2476	0.0026	0.9	1406	46	1415	71	1426	29	-1	0.218	1406	46
2-23-57	whole	366.9	59.0	38.8	0.11	0.0742	0.0011	1.9092	0.0379	0.1901	0.0024	0.64	1047	32	1084	43	1122	28	-7	0.001	1047	32
2-23-59	core	44.9	22.6	2.8	0.06	0.2185	0.0035	16.8081	1.0256	0.5817	0.0077	0.9	2970	95	2924	357	2956	79	0	0.320	2970	95
2-23-63	whole	196.8	25.5	8.5	0.04	0.0736	0.0012	1.7258	0.0423	0.1721	0.002	0.79	1031	35	1018	50	1024	24	1	0.573	1031	35

********** = concordant but excluded from concordia age calculation

	Concentrations					Ratios							Ages									
Samples	zone	U (ppm)	Pb (ppm)	Th (ppm)	Th/U	207Pb/206	1σ abs	207Pb/235	1σ abs	206Pb/238	1σ abs	Rho	207Pb/206	1s Ma	206Pb/238	1s Ma	207Pb/235	1s Ma	Disc. %	Prob		Reported age ±2σ	
Group 1 clasts																							
18-091r	rim	138	11	80	0.6	0.0572	0.0009	0.583	0.009	0.072	0.001	0.4	500.0	7.8	447.8	5.1	466.4	7.4	10.4	0.002		448	10
18-119r	rim	182	14	116	0.6	0.0565	0.0008	0.577	0.009	0.072	0.001	0.6	472.5	6.9	450.8	7.2	462.7	7.5	4.6	0.045		451	14
18-80r	rim	460	37	227	0.5	0.0562	0.0007	0.550	0.008	0.073	0.001	0.6	458.9	5.7	452.0	5.5	445.1	6.6	1.5	0.146		452	11
18-01r	rim	281	22	121	0.4	0.0555	0.0007	0.558	0.009	0.073	0.001	0.6	431.4	5.4	456.1	4.9	450.1	7.0	-5.7	0.209		456	10
18-067r	rim	137	11	73	0.5	0.0547	0.0008	0.565	0.008	0.073	0.001	0.3	401.8	6.1	457.1	4.9	454.5	6.3	-13.8	0.663		457	10
18-02r	rim	580	44	145	0.3	0.0560	0.0006	0.579	0.008	0.076	0.001	0.7	450.7	4.9	475.2	5.7	464.1	6.7	-5.4	0.010		475	11
18-165r	rim	214	17	145	0.7	0.0564	0.0008	0.583	0.012	0.074	0.001	0.7	470.1	6.6	462.2	8.3	466.1	9.3	1.7	0.501		462	17
18-47r	rim	226	19	114	0.5	0.0560	0.0009	0.589	0.013	0.077	0.001	0.7	452.9	7.5	476.7	6.6	470.1	10.6	-5.2	0.295	**********	477	13
18-05r	rim	230	19	102	0.4	0.0565	0.0010	0.587	0.014	0.077	0.001	0.7	471.9	8.1	479.0	6.7	469.0	10.9	-1.5	0.120	**********	479	13
18-29r	rim	130	10	51	0.4	0.0540	0.0011	0.568	0.014	0.076	0.001	0.6	371.3	7.4	471.0	6.1	456.4	11.3	-26.8	0.044		471	12
18-42r	mantle	232	18	89	0.4	0.0563	0.0008	0.576	0.009	0.073	0.001	0.5	464.3	6.4	453.2	4.9	461.6	7.5	2.4	0.113		453	10
18-157r	mantle	255	21	208	0.8	0.0548	0.0007	0.570	0.011	0.075	0.001	0.7	402.7	5.4	467.4	8.4	458.1	8.9	-16.1	0.089		467	17
18-163r	mantle	261	22	226	0.9	0.0570	0.0008	0.594	0.011	0.076	0.001	0.7	493.3	6.6	471.9	8.0	473.1	8.9	4.3	0.828		472	16
18-80m	mantle	328	25	144	0.4	0.0565	0.0007	0.550	0.009	0.071	0.001	0.6	471.4	6.1	441.6	5.0	444.9	7.3	6.3	0.492	**********	442	10
18-96c	core	190	15	96	0.5	0.0564	0.0009	0.551	0.010	0.071	0.001	0.5	466.9	7.8	442.4	5.5	445.9	8.1	5.2	0.581	**********	442	11
18-089	core	152	12	116	0.8	0.0567	0.0009	0.572	0.010	0.072	0.001	0.4	479.8	7.5	447.5	4.5	459.0	7.6	6.7	0.055		448	9
18-024c	core	181	15	147	0.8	0.0564	0.0009	0.574	0.008	0.072	0.001	0.4	469.9	7.2	448.0	6.0	460.5	6.4	4.7	0.042		448	12
18-163c	core	195	16	144	0.7	0.0577	0.0009	0.581	0.012	0.072	0.001	0.7	519.9	7.8	450.3	8.9	465.1	9.5	13.4	0.015		450	18
18-121c	core	245	20	220	0.9	0.0556	0.0008	0.563	0.009	0.073	0.001	0.5	437.3	6.6	454.4	7.0	453.4	7.4	-3.9	0.866		454	14
18-167c	core	100	8	87	0.9	0.0562	0.0009	0.591	0.014	0.073	0.001	0.7	459.5	7.5	456.0	7.9	471.5	11.1	0.8	0.014		456	16
18-42c	core	172	13	76	0.4	0.0560	0.0010	0.571	0.011	0.074	0.001	0.5	452.1	7.7	459.8	5.7	458.7	9.2	-1.7	0.865		460	11
18-34c	core	212	19	172	0.8	0.0557	0.0010	0.585	0.015	0.075	0.001	0.7	439.3	8.1	465.9	6.9	467.6	11.9	-6.1	0.799		466	14
18-05c	core	197	16	94	0.5	0.0550	0.0010	0.583	0.013	0.076	0.001	0.6	414.0	7.4	475.2	6.6	466.5	10.3	-14.8	0.203		475	13
18-120c	core	182	16	173	1.0	0.0591	0.0010	0.633	0.011	0.076	0.001	0.5	572.1	9.3	473.9	6.7	498.2	8.3	17.2	0.000			
18-026r	rim	244	21	154	0.6	0.0607	0.0009	0.693	0.013	0.080	0.001	0.6	628.7	9.4	498.5	7.4	534.6	10.2	20.7	0.000			
18-055c	core	207	18	216	1.0	0.0592	0.0008	0.597	0.009	0.073	0.001	0.5	575.2	8.0	451.6	5.8	475.1	7.3	21.5	0.000			
18-059r	rim	258	20	189	0.7	0.0592	0.0008	0.596	0.009	0.072	0.001	0.5	574.3	7.6	450.0	5.9	474.9	6.9	21.6	0.000			
18-02c	core	258	20	79	0.3	0.0605	0.0008	0.624	0.011	0.076	0.001	0.6	621.3	8.7	471.3	6.1	492.2	8.9	24.1	0.000			
18-47c	core	336	31	256	0.8	0.0617	0.0011	0.655	0.014	0.078	0.001	0.6	664.5	11.9	482.4	7.2	511.3	11.3	27.4	0.000			
18-024r	rim	267	21	295	1.1	0.0672	0.0012	0.663	0.010	0.072	0.001	0.3	844.5	15.0	450.9	6.3	516.2	8.2	46.6	0.000			
18-03r	mantle	81	10	32	0.4	0.0700	0.0014	1.157	0.037	0.115	0.002	0.8	929.6	18.6	699.0	12.6	780.4	24.8	24.8	0.000			
18-056r	rim	232	33	103	0.4	0.0770	0.0014	1.457	0.050	0.128	0.003	0.9	1120.3	20.0	778.3	19.4	912.9	31.6	30.5	0.000			
18-41	whole	37	9	33	0.9	0.0787	0.0015	2.235	0.071	0.195	0.002	0.9	1165.7	21.6	1147.0	14.3	1192.2	37.9	1.6	0.000			
18-29c	core	26	6	7	0.3	0.0769	0.0017	2.498	0.105	0.218	0.003	0.9	1118.7	25.3	1272.1	18.8	1271.3	53.2	-13.7	0.964		1119	25
18-127	whole	158	38	55	0.3	0.0895	0.0011	2.733	0.052	0.223	0.003	0.8	1414.5	17.7	1298.8	18.3	1337.6	25.6	8.2	0.000			
18-98c	core	448	100	54	0.1	0.0909	0.0011	2.862	0.060	0.231	0.004	0.8	1445.3	17.6	1337.8	23.3	1372.0	28.9	7.4	0.005		1445	18
18-158r	rim	131	28	20	0.2	0.0962	0.0013	3.122	0.079	0.231	0.006	0.8	1552.4	21.8	1338.5	32.9	1438.1	36.4	13.8	0.000			
18-03c	core	54	15	29	0.5	0.0886	0.0014	3.099	0.086	0.250	0.003	0.9	1394.7	21.6	1438.9	18.9	1432.3	39.5	-3.2	0.485		1395	22
21-30	core	68	23	26	0.4	0.1048	0.0015	4.609	0.099	0.308	0.004	0.8	1710.9	24.3	1733.3	21.0	1750.9	37.7	-1.3	0.143		1711	49
21-14	whole <<<	601	113	123	0.2	0.0765	0.0009	1.930	0.024	0.187	0.003	0.6	1107.6	13.2	1106.6	14.9	1091.7	13.6	0.1	0.182		1108	26
21-21	unzoned d	769	59	189	0.2	0.0563	0.0008	0.581	0.009	0.077	0.001	0.5	466.0	6.6	478.0	6.7	465.2	7.1	-2.6	0.031		478	13
21-85r	osc rim	577	49	334	0.6	0.0559	0.0007	0.598	0.007	0.075	0.001	0.3	447.7	6.0	468.6	4.6	476.0	5.9	-4.7	0.178		469	9
21-57r	osc rim	399	31	143	0.4	0.0569	0.0009	0.597	0.009	0.074	0.001	0.4	487.4	7.7	458.6	6.2	475.3	7.1	5.9	0.010		459	12
21-53r	osc rim	434	34	188	0.4	0.0584	0.0012	0.593	0.012	0.073	0.001	0.3	543.6	11.5	453.2	6.6	472.7	9.3	16.6	0.021		453	13
21-43r	osc rim	284	22	104	0.4	0.0579	0.0010	0.594	0.009	0.073	0.001	0.2	526.3	9.3	452.1	5.1	473.3	7.6	14.1	0.003		452	10
21-78m	mantle	536	43	256	0.5	0.0557	0.0010	0.589	0.011	0.075	0.001	0.5	441.3	7.7	466.8	6.5	470.4	9.0	-5.8	0.606		467	13
21-12	mantle	545	46	264	0.5	0.0559	0.0007	0.579	0.008	0.076	0.001	0.5	449.9	6.0	473.1	5.9	463.7	6.5	-5.1	0.085		473	12
21-09r	mantle	511	42	254	0.5	0.0564	0.0007	0.602	0.009	0.077	0.001	0.6	467.2	5.8	481.0	6.5	478.8	6.8	-2.9	0.675		481	13
21-71m	mantle	535	42	262	0.5	0.0562	0.0009	0.597	0.011	0.075	0.001	0.5	458.8	7.6	464.2	6.0	475.4	8.7	-1.2	0.092		464	12
21-76m	mantle	444	36	229	0.5	0.0563	0.0009	0.599	0.011	0.075	0.001	0.5	464.8	7.8	467.8	5.9	476.8	8.8	-0.6	0.175		468	12
21-64r	mantle	475	38	193	0.4	0.0563	0.0009	0.596	0.008	0.075	0.001	0.3	465.3	7.4	464.8	6.0	474.5	6.4	0.1	0.141		465	12
21-07c	mantle	400	33	198	0.5	0.0569	0.0008	0.614	0.010	0.076	0.001	0.6	486.5	6.9	470.2	7.2	485.8	7.8	3.4	0.009		470	14
21-41c	mantle	240	18	70	0.3	0.0569	0.0009	0.596	0.011	0.075	0.001	0.6	487.2	7.3	463.7	6.7	474.7	8.5	4.8	0.068		464	13
21-03r	mantle	359	29	176	0.5	0.0574	0.0009	0.626	0.012	0.076	0.001	0.6	507.1	7.9	471.2	6.5	493.5	9.1	7.1	0.000			
21-19	inner mant	475	37	168	0.4	0.0576	0.0008	0.585	0.009	0.074	0.001	0.5	515.2	7.0	462.0	5.6	467.6	7.1	10.3	0.294		462	11
21-10	core	572	47	237	0.4	0.0583	0.0007	0.599	0.009	0.075	0.001	0.5	540.3	6.8	467.4	5.1	476.3	7.0	13.5	0.077		467	10
21-40c	core	320	26	142	0.4	0.0586	0.0010	0.602	0.014	0.075	0.001	0.7	552.7	9.6	463.9	7.9	478.7	10.9	16.1	0.032		464	16
21-24	core	298	24	105	0.4	0.0560	0.0009	0.576	0.009	0.077	0.001	0.4	453.6	7.0	475.5	5.6	462.2	7.3	-4.8	0.031		476	11
21-81c	core	633	53	430	0.7	0.0559	0.0009	0.589	0.010	0.075	0.001	0.5	449.0	7.2	465.7	5.8	470.4	8.2	-3.7	0.468		466	12

	Concentrations					Ratios							Ages										
Samples	zone	U (ppm)	Pb (ppm)	Th (ppm)	Th/U	207Pb/206	1σ abs	207Pb/235	1σ abs	206Pb/238	1σ abs	Rho	207Pb/206	1s Ma	206Pb/238	1s Ma	207Pb/235	1s Ma	Disc. %	Prob		Reported age	±2σ
Group 1 clasts																							
21-17	core	453	38	211	0.5	0.0566	0.0007	0.594	0.009	0.077	0.001	0.5	476.7	6.3	477.8	5.3	473.2	7.0	-0.2	0.380		478	11
21-01c	core	337	27	149	0.4	0.0564	0.0007	0.592	0.008	0.074	0.001	0.5	466.4	6.0	462.7	5.8	471.9	6.6	0.8	0.079		463	12
21-02	core	515	42	243	0.5	0.0566	0.0007	0.575	0.007	0.074	0.001	0.4	476.8	6.1	461.6	5.0	461.5	5.5	3.2	0.976		462	10
21-22	core	369	30	147	0.4	0.0571	0.0009	0.594	0.010	0.076	0.001	0.4	495.6	8.2	471.3	5.8	473.2	8.3	4.9	0.773		471	12
21-51c	core	543	43	252	0.5	0.0567	0.0008	0.593	0.008	0.073	0.001	0.3	480.7	6.9	454.0	4.9	473.0	6.0	5.6	0.001		454	10
21-49c	core	567	45	278	0.5	0.0573	0.0009	0.600	0.008	0.074	0.001	0.3	501.2	7.6	460.4	6.0	477.3	6.2	8.1	0.007		460	12
21-79c	core	813	70	566	0.7	0.0574	0.0010	0.601	0.012	0.075	0.001	0.6	507.9	8.8	465.7	7.0	477.9	9.7	8.3	0.079		466	14
21-42	core	269	22	159	0.6	0.0577	0.0010	0.611	0.012	0.075	0.001	0.5	520.0	9.2	468.2	6.6	484.2	9.4	10.0	0.025		468	13
21-27	core	537	42	141	0.3	0.0596	0.0008	0.614	0.009	0.077	0.001	0.5	587.3	7.9	478.6	5.2	486.4	7.0	18.5	0.160	**********	479	10
21-61	core	726	55	240	0.3	0.0590	0.0010	0.606	0.011	0.074	0.001	0.4	567.1	9.7	460.5	6.3	481.2	8.6	18.8	0.003	**********	460	13
21-90	core	650	54	462	0.7	0.0595	0.0012	0.595	0.013	0.072	0.001	0.5	585.7	11.5	449.3	6.5	473.9	10.4	23.3	0.001	**********	449	13
21-57c	mantle	454	35	167	0.4	0.0609	0.0010	0.617	0.008	0.072	0.001	0.2	634.3	10.2	447.6	5.7	488.1	6.5	29.4	0.000			
21-70c	core	481	38	186	0.4	0.0633	0.0011	0.679	0.014	0.074	0.001	0.5	717.9	12.5	460.9	5.9	526.1	10.6	35.8	0.000			
21-43c	core	316	24	157	0.5	0.0681	0.0015	0.661	0.012	0.069	0.001	0.1	870.6	19.0	432.2	6.0	515.2	9.1	50.4	0.000			
21-08r	rim	704	53	261	0.4	0.0725	0.0012	0.728	0.013	0.073	0.001	0.5	999.1	16.0	454.8	7.4	555.5	9.7	54.5	0.000			
R3-041	rim	344	26	27	0.1	0.0573	0.0008	0.636	0.010	0.082	0.001	0.6	501.4	7.0	506.6	8.0	499.7	7.6	-1.0	0.275		507	16
R3-042	rim	377	29	27	0.1	0.0591	0.0008	0.647	0.012	0.081	0.002	0.7	569.3	8.1	504.3	9.5	506.8	9.3	11.4	0.709		504	19
R3-032	rim	350	27	23	0.1	0.0582	0.0008	0.643	0.010	0.081	0.001	0.6	535.9	7.3	501.3	8.0	504.0	8.1	6.4	0.660		501	16
R3-014	rim	576	43	48	0.1	0.0584	0.0008	0.642	0.008	0.081	0.002	0.8	546.0	7.0	505.0	9.8	503.3	6.5	7.5	0.791		505	20
R3-039	rim	339	26	25	0.1	0.0570	0.0009	0.639	0.012	0.081	0.002	0.7	491.0	7.7	504.2	9.4	501.7	9.5	-2.7	0.723		504	19
R3-007	rim	578	44	47	0.1	0.0588	0.0007	0.645	0.012	0.081	0.002	0.8	558.4	7.1	503.7	11.4	505.2	9.5	9.8	0.816		504	23
R3-036	whole?	159	13	53	0.3	0.0586	0.0010	0.659	0.012	0.079	0.001	0.5	554.0	9.3	491.5	7.0	513.7	9.7	11.3	0.002		492	14
R3-006	mantle	515	39	36	0.1	0.0579	0.0007	0.653	0.013	0.083	0.002	0.8	526.4	6.6	512.4	12.2	510.2	10.5	2.7	0.731		512	24
R3-038	mantle	325	25	20	0.1	0.0581	0.0008	0.664	0.010	0.083	0.001	0.6	532.3	7.1	515.6	8.0	517.0	7.7	3.1	0.818		516	16
R3-015b	mantle	505	38	38	0.1	0.0559	0.0007	0.617	0.008	0.082	0.002	0.7	449.5	5.9	506.3	9.7	487.9	6.2	-12.6	0.006		506	19
R3-021	mantle	858	63	96	0.1	0.0590	0.0009	0.631	0.008	0.080	0.002	0.7	568.9	8.9	498.3	10.9	496.6	6.4	12.4	0.825		498	22
R3-009	core	742	55	27	0.0	0.0575	0.0006	0.637	0.012	0.083	0.002	0.9	511.7	5.7	511.3	11.8	500.5	9.4	0.1	0.072		511	24
R3-033	core	796	62	42	0.1	0.0581	0.0007	0.678	0.010	0.085	0.001	0.7	533.5	6.0	525.4	7.8	525.7	8.1	1.5	0.964		525	16
R3-013	whole	505	39	30	0.1	0.0580	0.0007	0.665	0.013	0.085	0.002	0.8	528.9	6.5	523.6	12.0	517.4	10.0	1.0	0.337		524	24
R3-004	whole	319	25	34	0.1	0.0596	0.0007	0.714	0.014	0.086	0.002	0.8	588.9	7.3	533.6	11.2	547.3	10.8	9.4	0.028		534	22
R3-026	rim	249	19	21	0.1	0.0601	0.0009	0.679	0.009	0.081	0.001	0.6	606.8	8.9	501.5	9.0	526.5	6.7	17.4	0.000			
R3-016	whole	210	16	19	0.1	0.0602	0.0010	0.679	0.014	0.081	0.001	0.6	612.6	10.6	500.3	9.3	526.1	10.6	18.3	0.001	**********	500	19
R3-015a	mantle	161	12	12	0.1	0.0603	0.0009	0.661	0.011	0.079	0.001	0.6	615.8	9.3	489.1	7.9	515.4	8.2	20.6	0.000			
R3-031	mantle	326	24	19	0.1	0.0603	0.0010	0.646	0.012	0.077	0.001	0.6	613.5	10.4	480.8	8.7	506.0	9.8	21.6	0.001	**********	481	17
R3-019	mantle	197	15	18	0.1	0.0605	0.0009	0.670	0.010	0.078	0.001	0.5	621.4	9.6	486.5	8.1	520.7	7.5	21.7	0.000			
R3-035	whole	233	17	21	0.1	0.0610	0.0009	0.659	0.011	0.078	0.001	0.6	640.6	8.9	483.1	7.2	514.1	8.3	24.6	0.000			
R3-017	mantle	216	16	26	0.1	0.0611	0.0008	0.658	0.008	0.077	0.001	0.6	641.4	8.6	477.0	8.1	513.2	6.6	25.6	0.000			
R3-022	rim	520	39	23	0.0	0.0647	0.0009	0.715	0.011	0.080	0.002	0.7	764.0	10.6	498.0	9.7	548.0	8.6	34.8	0.000			
R3-029	mantle	272	20	26	0.1	0.0644	0.0009	0.696	0.011	0.078	0.001	0.6	755.7	10.0	484.9	6.9	536.7	8.3	35.8	0.000			
R3-02	core	815	56	103	0.1	0.0887	0.0018	0.828	0.019	0.069	0.002	0.6	1397.6	28.3	429.3	10.4	612.3	13.9	69.3	0.000			
06-081c	core	130	10	48	0.4	0.0554	0.0009	0.575	0.014	0.073	0.001	0.7	428.9	7.1	455.2	6.6	461.3	10.9	-6.1	0.319		455	13
06-108c	core	62	5	41	0.7	0.0552	0.0011	0.557	0.014	0.071	0.001	0.6	419.9	8.1	439.8	6.1	449.5	11.1	-4.8	0.165		440	12
06-111c	core	123	10	96	0.8	0.0553	0.0009	0.539	0.011	0.070	0.001	0.6	425.8	7.0	437.8	5.8	437.5	9.2	-2.8	0.961		438	12
06-062r	mantle	69	5	39	0.6	0.0566	0.0011	0.593	0.013	0.074	0.001	0.5	475.3	9.4	462.4	5.5	472.8	10.6	2.7	0.171		462	11
06-028c	core	29	2	13	0.5	0.0564	0.0017	0.588	0.020	0.073	0.002	0.5	467.4	13.7	453.2	9.9	469.8	15.8	3.0	0.145		453	20
06-067c	core	122	9	54	0.4	0.0563	0.0010	0.560	0.011	0.071	0.001	0.5	464.3	8.0	443.0	4.7	451.3	8.8	4.6	0.196		443	9
06-065c	core	82	6	46	0.6	0.0568	0.0011	0.573	0.012	0.073	0.001	0.5	485.3	9.1	456.4	5.7	460.1	9.7	6.0	0.596		456	11
06-059	core	52	4	41	0.8	0.0567	0.0015	0.562	0.017	0.071	0.001	0.5	478.3	12.5	442.4	6.0	452.7	13.9	7.5	0.280		442	12
06-101c	core	157	12	65	0.4	0.0568	0.0010	0.561	0.014	0.072	0.001	0.7	485.0	8.6	448.3	7.9	452.4	11.4	7.6	0.531		448	16
06-071c	core	83	7	60	0.7	0.0569	0.0011	0.560	0.013	0.071	0.001	0.6	486.3	9.6	443.8	5.6	451.3	10.7	8.7	0.299		444	11
06-064c	core	84	7	62	0.7	0.0576	0.0015	0.576	0.017	0.073	0.001	0.5	516.1	13.1	453.8	7.4	461.8	13.9	12.1	0.401		454	15
06-092c	core	352	26	128	0.4	0.0580	0.0010	0.575	0.014	0.073	0.002	0.8	528.7	8.7	453.6	9.5	461.0	11.5	14.2	0.248		454	19
06-042	core	33	3	21	0.6	0.0577	0.0015	0.586	0.019	0.070	0.001	0.6	516.5	13.7	436.8	5.2	468.4	15.1	15.4	0.002		437	10
06-040	core	42	3	32	0.8	0.0582	0.0015	0.609	0.019	0.071	0.002	0.6	537.1	14.1	439.7	9.4	483.1	15.4	18.1	0.000			
06-025	core	253	19	119	0.5	0.0585	0.0008	0.594	0.012	0.072	0.002	0.8	549.4	7.8	449.6	9.6	473.3	9.6	18.2	0.000			
06-095c	core	232	21	229	1.0	0.0594	0.0011	0.595	0.013	0.074	0.001	0.6	582.2	10.5	460.1	7.2	474.4	10.7	21.0	0.042	**********	460	14
06-109c	core	99	8	73	0.7	0.0596	0.0011	0.622	0.015	0.074	0.001	0.7	587.4	10.8	462.0	6.7	491.0	12.1	21.3	0.000			

	Concentrations					Ratios							Ages									
Samples	zone	U (ppm)	Pb (ppm)	Th (ppm)	Th/U	207Pb/206	1σ abs	207Pb/235	1σ abs	206Pb/238	1σ abs	Rho	207Pb/206	1s Ma	206Pb/238	1s Ma	207Pb/235	1s Ma	Disc. %	Prob		Reported age ±2σ	
Group 1 clasts																							
06-041	core	182	13	71	0.4	0.0604	0.0008	0.599	0.012	0.070	0.001	0.8	619.5	8.2	438.9	9.0	476.4	9.2	29.2	0.000			
06-046	core	43	3	31	0.7	0.0611	0.0015	0.631	0.019	0.072	0.001	0.5	641.4	16.2	446.5	6.3	496.7	14.7	30.4	0.000			
06-098	core	94	7	43	0.5	0.0627	0.0011	0.658	0.016	0.076	0.001	0.7	698.6	12.3	471.3	6.8	513.4	12.2	32.5	0.000			
06-051	core	59	5	45	0.8	0.0623	0.0021	0.614	0.022	0.072	0.001	0.3	683.5	23.4	445.4	7.6	486.0	17.5	34.8	0.003	**********	445	15
06-073	core	105	9	81	0.8	0.0673	0.0016	0.676	0.020	0.072	0.001	0.6	847.8	20.7	446.5	7.9	524.6	15.5	47.3	0.000			
06-024	core	65	5	40	0.6	0.0769	0.0022	0.791	0.029	0.073	0.002	0.6	1117.3	32.4	455.5	10.7	592.0	21.6	59.2	0.000			
06-110c	core	99	35	102	1.0	0.1033	0.0013	4.295	0.089	0.297	0.004	0.8	1683.9	20.7	1676.8	22.5	1692.5	35.1	0.4	0.163		1684	41
08-092	rim	143	25	30	0.2	0.0737	0.0008	1.913	0.031	0.184	0.002	0.8	1033.6	10.6	1087.9	13.2	1085.6	17.7	-5.3	0.769		1034	21
08-092	core	84	15	23	0.3	0.0740	0.0008	1.900	0.032	0.177	0.002	0.8	1040.3	11.8	1050.0	9.4	1081.3	18.2	-0.9	0.000			
08-113	whole strip	71	13	26	0.4	0.0740	0.0009	1.865	0.035	0.173	0.002	0.8	1040.5	12.6	1030.0	11.3	1068.8	20.2	1.0	0.000			
08-107	whole wav	54	9	16	0.3	0.0740	0.0010	1.874	0.034	0.175	0.002	0.6	1041.1	14.4	1037.3	10.5	1072.1	19.3	0.4	0.000			
08-103	whole	55	11	25	0.5	0.0750	0.0010	1.985	0.035	0.186	0.002	0.7	1069.1	13.6	1101.3	11.6	1110.3	19.6	-3.0	0.310		1069	27
08-093	rim	95	17	38	0.4	0.0754	0.0009	1.896	0.029	0.177	0.002	0.6	1078.5	12.7	1050.6	10.0	1079.8	16.5	2.6	0.000			
08-105	whole strip	75	15	42	0.6	0.0754	0.0009	1.997	0.031	0.186	0.002	0.7	1079.0	12.6	1097.4	10.8	1114.6	17.3	-1.7	0.045		1079	25
08-094	rim	236	45	77	0.3	0.0760	0.0007	2.047	0.028	0.192	0.002	0.7	1095.7	10.8	1130.5	12.1	1131.3	15.6	-3.2	0.918		1096	22
08-101	whole strip	64	12	28	0.4	0.0762	0.0009	2.030	0.033	0.186	0.002	0.7	1101.5	13.0	1100.6	11.6	1125.6	18.3	0.1	0.003		1102	26
08-040	core	159	30	71	0.4	0.0770	0.0008	1.926	0.028	0.180	0.003	0.8	1122.4	11.7	1066.8	16.9	1090.1	16.0	5.0	0.022		1122	23
08-102	whole	51	15	73	1.5	0.0854	0.0010	2.775	0.051	0.228	0.002	0.8	1324.1	16.2	1322.1	13.5	1348.8	24.7	0.2	0.002		1324	32
08-104	mantle	63	14	24	0.4	0.0867	0.0012	2.698	0.045	0.219	0.002	0.6	1354.1	18.2	1275.4	14.1	1328.0	22.4	5.8	0.000			
08-095	mantle	101	34	47	0.5	0.1074	0.0010	4.794	0.068	0.318	0.003	0.7	1755.6	16.5	1781.4	17.2	1783.9	25.1	-1.5	0.800		1756	33
08-039	rim	1567	120	59	0.0	0.0574	0.0007	0.646	0.010	0.083	0.002	0.7	508.4	6.6	515.1	9.5	506.0	7.6	-1.3	0.155		515	19
08-069	rim	291	21	6	0.0	0.0567	0.0009	0.617	0.008	0.078	0.001	0.3	478.0	7.6	485.1	6.5	488.0	6.6	-1.5	0.668		485	13
08-060	mantle	543	40	82	0.2	0.0567	0.0010	0.602	0.010	0.078	0.001	0.4	481.6	8.6	483.3	7.9	478.5	8.1	-0.4	0.529		483	16
08-064	core	631	45	112	0.2	0.0573	0.0009	0.595	0.008	0.076	0.001	0.4	505.0	7.5	472.2	6.5	474.3	6.0	6.5	0.742		472	13
08-071	core	962	73	192	0.2	0.0572	0.0009	0.615	0.009	0.079	0.001	0.5	498.7	7.7	488.1	8.2	486.4	7.2	2.1	0.803		488	16
08-009	core	500	37	78	0.2	0.0580	0.0007	0.611	0.009	0.078	0.001	0.7	529.2	6.1	482.9	7.9	484.0	6.8	8.8	0.841		483	16
08-089	core	413	31	90	0.2	0.0578	0.0009	0.630	0.010	0.078	0.001	0.4	523.6	8.5	487.1	6.5	496.3	7.6	7.0	0.182		487	13
08-065	core	237	18	66	0.3	0.0553	0.0009	0.582	0.009	0.076	0.001	0.4	425.6	7.0	473.3	6.7	466.0	7.6	-11.2	0.281		473	13
08-088	core	656	51	108	0.2	0.0589	0.0009	0.655	0.009	0.080	0.001	0.4	561.8	8.5	498.7	6.8	511.6	6.9	11.2	0.055		499	14
08-013	core	560	44	177	0.3	0.0592	0.0007	0.631	0.009	0.079	0.001	0.7	575.0	6.7	490.7	7.9	496.6	6.8	14.7	0.276	**********	491	16
08-011	core	713	55	127	0.2	0.0592	0.0007	0.658	0.009	0.081	0.001	0.7	575.4	6.4	503.7	8.3	513.6	7.4	12.4	0.064	**********	504	17
08-086	core	616	48	156	0.3	0.0614	0.0009	0.681	0.008	0.079	0.001	0.3	652.9	9.7	490.5	6.2	527.1	6.5	24.9	0.000			
08-076	mantle	521	42	86	0.2	0.0603	0.0009	0.694	0.010	0.084	0.001	0.4	612.9	9.0	518.9	7.2	535.4	7.5	15.3	0.015	**********	519	14
08-075	core	853	65	186	0.2	0.0597	0.0009	0.652	0.010	0.078	0.001	0.5	592.6	9.1	486.2	7.1	509.7	7.5	18.0	0.000			
08-034	core	183	14	113	0.6	0.0586	0.0007	0.585	0.009	0.072	0.001	0.7	554.0	7.0	445.9	7.5	467.9	7.3	19.5	0.000			
08-032	core	494	40	109	0.2	0.0677	0.0007	0.750	0.010	0.081	0.001	0.7	860.9	9.3	504.5	7.5	568.0	7.9	41.4	0.000			
08-003	core	443	35	61	0.1	0.0689	0.0013	0.773	0.019	0.083	0.001	0.6	896.4	17.0	512.8	8.0	581.6	14.3	42.8	0.000			
08-048	core	427	33	111	0.3	0.0642	0.0009	0.702	0.011	0.079	0.001	0.6	747.4	10.7	490.7	7.5	540.3	8.3	34.3	0.000			
M7-10-04	rim	118	8	44	0.4	0.0572	0.0010	0.607	0.016	0.071	0.001	0.8	499.2	8.8	445.0	6.2	481.5	12.7	10.8	0.000			
M7-10-31	rim	320	24	161	0.5	0.0552	0.0006	0.554	0.012	0.073	0.002	0.9	420.8	4.6	454.9	9.4	447.9	9.6	-8.1	0.127		455	19
M7-10-14	core	91	7	47	0.5	0.0569	0.0017	0.586	0.018	0.073	0.001	0.3	488.0	14.2	456.1	8.0	468.5	14.0	6.5	0.272		456	16
M7-10-11	core	43	4	32	0.7	0.0554	0.0017	0.576	0.020	0.074	0.001	0.5	429.6	13.5	460.5	8.7	461.7	16.4	-7.2	0.921		460	17
M7-10-22	rim	176	13	79	0.4	0.0552	0.0007	0.587	0.012	0.075	0.001	0.8	419.5	5.3	465.3	7.8	469.1	10.0	-10.9	0.429		465	16
M7-10-17	rim	31	2	18	0.6	0.0562	0.0019	0.619	0.024	0.076	0.001	0.5	460.4	15.5	471.2	8.0	489.2	18.9	-2.3	0.171		471	16
M7-10-25	rim	165	13	61	0.4	0.0569	0.0008	0.618	0.011	0.077	0.001	0.7	488.1	6.9	475.9	7.9	488.6	8.9	2.5	0.032		476	16
M7-10-01	rim	113	8	61	0.5	0.0614	0.0014	0.592	0.016	0.068	0.001	0.5	654.4	14.8	421.2	4.8	472.1	12.5	35.6	0.000			
M7-10-24	core	200	16	197	1.0	0.0674	0.0011	0.660	0.012	0.072	0.001	0.6	849.9	14.4	448.2	8.0	514.3	9.3	47.3	0.000			
M7-10-13	core	271	21	137	0.5	0.0623	0.0012	0.640	0.014	0.076	0.001	0.6	685.6	12.9	469.5	8.8	502.4	10.6	31.5	0.000			
M7-10-20	rim	167	14	109	0.7	0.0607	0.0008	0.653	0.013	0.076	0.001	0.7	629.5	8.4	470.6	7.2	510.5	10.0	25.2	0.000			
M7-10-12	core	70	6	72	1.0	0.0754	0.0022	0.836	0.024	0.076	0.001	0.3	1078.7	31.1	472.3	8.6	617.0	18.0	56.2	0.000			
M7-10-33	rim	98	8	45	0.5	0.0632	0.0009	0.706	0.014	0.080	0.002	0.7	714.5	10.7	497.7	9.5	542.3	10.6	30.3	0.000			
M7-10-19	core	145	32	113	0.8	0.0784	0.0007	2.210	0.032	0.199	0.003	0.8	1156.6	10.5	1170.5	18.5	1184.1	17.0	-1.2	0.188		1157	21
M7-10-15	core	137	38	27	0.2	0.1015	0.0010	4.063	0.068	0.287	0.005	0.8	1651.8	15.6	1626.6	28.2	1646.9	27.7	1.5	0.180		1652	31
M7-10-27	rim	72	21	7	0.1	0.1018	0.0009	4.383	0.066	0.305	0.004	0.8	1657.4	14.7	1716.6	24.4	1709.1	25.8	-3.6	0.571		1657	29
M7-10-32	rim	142	71	7	0.1	0.1857	0.0019	12.691	0.238	0.493	0.009	0.8	2704.2	28.3	2583.2	48.9	2657.0	49.9	4.5	0.006		2704	57
M6-14-04c	core	200	16	129	0.6	0.0574	0.0008	0.608	0.012	0.076	0.001	0.8	507.2	6.8	470.2	7.7	482.3	9.8	7.3	0.023		470	15
M6-14-14r	rim	264	22	195	0.7	0.0561	0.0007	0.593	0.010	0.075	0.001	0.7	456.1	5.6	468.0	7.3	472.8	7.7	-2.6	0.346		468	15
M6-14-17n	mantle	247	19	109	0.4	0.0572	0.0008	0.595	0.011	0.074	0.001	0.7	501.0	6.8	459.9	7.2	474.3	8.5	8.2	0.008		460	14
M6-14-19n	mantle	201	16	172	0.9	0.0581	0.0008	0.604	0.011	0.074	0.001	0.7	533.5	7.3	460.3	8.1	479.9	8.9	13.7	0.001		460	16
M6-14-21c	core	332	27	254	0.8	0.0579	0.0007	0.597	0.011	0.075	0.001	0.7	524.8	6.8	463.2	8.0	475.1	8.4	11.7	0.029		463	16

	Concentrations				Ratios							Ages										
Samples	zone	U (ppm)	Pb (ppm)	Th (ppm)	Th/U	207Pb/206	1σ abs	207Pb/235	1σ abs	206Pb/238	1σ abs	Rho	207Pb/206	1s Ma	206Pb/238	1s Ma	207Pb/235	1s Ma	Disc. %	Prob		Reported age	±2σ
Group 1 clasts																							
M6-14-21r	rim	246	20	145	0.6	0.0579	0.0009	0.591	0.011	0.075	0.001	0.6	526.9	8.0	465.5	8.0	471.6	8.8	11.7	0.329		466	16
M6-14-24c	core	249	21	182	0.7	0.0566	0.0008	0.588	0.011	0.075	0.001	0.7	475.0	7.1	466.7	9.2	469.8	8.4	1.7	0.627		467	18
M6-14-24r	mantle	270	22	157	0.6	0.0564	0.0008	0.600	0.011	0.077	0.001	0.7	469.2	6.9	478.6	8.8	477.2	9.0	-2.0	0.824		479	18
M6-14-29c	core	220	18	130	0.6	0.0574	0.0008	0.620	0.011	0.078	0.002	0.7	506.5	7.4	484.7	9.4	489.9	9.0	4.3	0.430		485	19
M6-14-32c	core	347	29	283	0.8	0.0577	0.0011	0.578	0.012	0.074	0.002	0.6	517.2	9.6	460.5	9.6	462.9	9.9	11.0	0.753		460	19
M6-14-86r	rim	397	38	469	1.2	0.0567	0.0006	0.616	0.010	0.079	0.001	0.7	481.3	5.5	492.8	7.9	487.4	7.8	-2.4	0.285		493	16
M6-14-87c	core	379	33	339	0.9	0.0563	0.0006	0.593	0.009	0.076	0.001	0.8	464.4	4.8	474.0	6.9	472.8	7.1	-2.1	0.785		474	14
M7-14-02	rim	326	26	126	0.4	0.0572	0.0007	0.639	0.011	0.079	0.001	0.7	498.7	6.2	492.6	5.9	501.6	8.6	1.2	0.072		493	12
M7-14-14	rim	131	11	56	0.4	0.0570	0.0008	0.634	0.013	0.079	0.001	0.7	492.3	7.3	487.9	7.0	498.6	10.2	0.9	0.074		488	14
M7-14-04r	mantle	134	11	79	0.6	0.0579	0.0007	0.643	0.011	0.079	0.001	0.7	527.6	6.6	488.6	7.0	504.4	8.9	7.4	0.002		489	14
M7-14-12c	core	309	24	116	0.4	0.0577	0.0006	0.616	0.009	0.078	0.001	0.7	517.5	5.5	484.5	6.4	487.5	6.8	6.4	0.509		485	13
M7-14-06r	rim	548	42	168	0.3	0.0569	0.0005	0.617	0.008	0.078	0.001	0.7	486.3	4.2	484.5	5.7	487.9	6.0	0.4	0.367		485	11
M7-14-08	mantle	132	11	57	0.4	0.0577	0.0007	0.658	0.012	0.080	0.001	0.8	516.8	6.0	494.5	6.9	513.4	9.5	4.3	0.000			
M7-14-24c	core	278	24	183	0.7	0.0569	0.0006	0.621	0.009	0.079	0.001	0.7	487.0	5.5	489.5	6.4	490.3	7.4	-0.5	0.878		490	13
M7-14-20r	rim	328	26	126	0.4	0.0577	0.0006	0.624	0.009	0.079	0.001	0.8	519.5	5.0	490.3	6.4	492.3	7.3	5.6	0.630		490	13
M7-14-17r	rim	151	12	67	0.4	0.0579	0.0008	0.638	0.011	0.078	0.001	0.6	527.6	7.5	483.2	6.3	500.8	8.9	8.4	0.003		483	13
M7-14-26r	rim	161	14	88	0.5	0.0581	0.0007	0.646	0.011	0.079	0.001	0.7	532.0	6.7	490.7	7.1	506.2	8.6	7.8	0.004		491	14
M7-14-39r	mantle	107	9	64	0.6	0.0575	0.0008	0.620	0.011	0.077	0.001	0.6	510.5	7.1	479.2	5.6	489.9	8.6	6.1	0.056		479	11
M7-14-43c	core	235	19	115	0.5	0.0570	0.0007	0.624	0.009	0.078	0.001	0.7	490.5	5.8	483.8	6.5	492.1	7.5	1.4	0.100		484	13
M7-14-44r	mantle	298	24	144	0.5	0.0561	0.0006	0.591	0.008	0.078	0.001	0.7	457.9	4.7	484.0	6.6	471.6	6.2	-5.7	0.006		484	13
M7-14-45r	rim	254	19	87	0.3	0.0569	0.0006	0.605	0.008	0.077	0.001	0.7	486.8	5.3	477.1	5.8	480.4	6.7	2.0	0.473		477	12
M7-14-36c	core	130	11	65	0.5	0.0564	0.0007	0.612	0.010	0.078	0.001	0.6	468.2	6.0	487.1	6.7	484.7	7.8	-4.0	0.647		487	13
M7-14-37r	rim	247	20	78	0.3	0.0591	0.0007	0.654	0.010	0.080	0.001	0.7	569.0	6.4	494.3	7.2	510.7	7.6	13.1	0.001	**********	494	14
M7-14-19r	rim	346	29	186	0.5	0.0598	0.0006	0.674	0.010	0.081	0.001	0.7	595.4	6.1	503.3	6.6	523.4	7.7	15.5	0.000			
M6-14-87r	rim	396	34	324	0.8	0.0591	0.0006	0.628	0.010	0.078	0.001	0.8	571.7	6.0	481.7	7.6	494.8	7.9	15.7	0.004	**********	482	15
M6-14-34r	rim	250	20	134	0.5	0.0592	0.0010	0.613	0.013	0.076	0.002	0.7	575.2	9.6	472.9	9.4	485.6	10.5	17.8	0.068	**********	473	19
M6-14-20	core	227	18	132	0.6	0.0587	0.0011	0.582	0.011	0.072	0.001	0.5	556.7	10.0	445.8	7.1	465.7	8.6	19.9	0.005	**********	446	14
M7-14-15	rim	285	23	133	0.5	0.0608	0.0008	0.669	0.011	0.079	0.001	0.7	630.5	7.8	493.0	5.8	520.0	8.7	21.8	0.000			
M7-14-17r	rim	157	12	48	0.3	0.0604	0.0008	0.658	0.012	0.078	0.001	0.7	618.9	8.3	483.0	7.5	513.7	9.4	22.0	0.000			
M6-14-06c	core	318	27	207	0.7	0.0607	0.0009	0.654	0.014	0.077	0.001	0.7	629.9	9.1	480.8	7.3	511.1	10.8	23.7	0.000			
M6-14-11c	core	255	20	114	0.4	0.0607	0.0009	0.634	0.013	0.075	0.001	0.7	629.4	9.2	467.4	7.3	498.3	10.1	25.7	0.000			
M7-14-16	rim	176	16	127	0.7	0.0624	0.0009	0.684	0.013	0.079	0.001	0.7	687.0	10.2	491.6	8.5	529.1	10.2	28.4	0.000			
M7-14-27r	rim	163	12	58	0.4	0.0615	0.0012	0.660	0.017	0.075	0.001	0.7	655.5	12.8	468.3	7.5	514.9	13.5	28.5	0.000			
M6-14-06r	mantle	327	29	247	0.8	0.0622	0.0011	0.679	0.017	0.078	0.001	0.7	680.7	12.6	482.1	7.2	526.2	13.5	29.2	0.000			
M7-14-38r	rim	162	13	83	0.5	0.0626	0.0008	0.708	0.013	0.079	0.001	0.7	695.3	9.2	491.5	6.2	543.6	10.0	29.3	0.000			
M7-14-11r		192	16	124	0.6	0.0637	0.0008	0.686	0.012	0.076	0.001	0.7	730.3	9.6	471.3	6.1	530.7	9.6	35.5	0.000			
M6-14-04r	mantle	206	18	115	0.6	0.0634	0.0009	0.705	0.015	0.080	0.001	0.8	721.3	10.2	493.7	8.4	541.8	11.9	31.6	0.000			
M7-14-03r	rim	151	12	61	0.4	0.0641	0.0008	0.690	0.013	0.077	0.001	0.7	744.4	9.8	479.7	6.4	533.0	9.7	35.6	0.000			
M7-14-05r	rim	135	11	68	0.5	0.0649	0.0010	0.743	0.016	0.079	0.001	0.7	770.5	11.5	492.3	7.6	564.3	12.4	36.1	0.000			
M7-14-10r	rim	136	11	67	0.5	0.0640	0.0011	0.678	0.015	0.076	0.001	0.6	742.5	12.8	470.6	7.3	525.3	11.6	36.6	0.000			
M6-14-44	mantle	226	19	120	0.5	0.0645	0.0009	0.697	0.014	0.076	0.001	0.7	759.1	10.8	475.0	7.3	537.1	10.7	37.4	0.000			
M7-14-13n	mantle	155	12	67	0.4	0.0667	0.0010	0.703	0.012	0.076	0.001	0.6	829.9	12.2	470.1	6.9	540.3	9.4	43.4	0.000			
M7-14-18r	rim	339	28	200	0.6	0.0752	0.0011	0.788	0.016	0.075	0.001	0.7	1074.4	16.0	469.0	7.0	590.0	11.7	56.3	0.000			
M5-02-55n	mantle	390	30	22	0.1	0.0569	0.0007	0.631	0.009	0.084	0.001	0.6	487.4	5.7	518.5	5.0	496.7	7.3	-6.4	0.000			
M5-02-67r	mantle	334	27	14	0.0	0.0581	0.0009	0.669	0.012	0.086	0.001	0.5	533.9	8.3	533.8	6.4	520.2	9.0	0.0	0.042		534	13
M5-02-73c	whole	367	28	18	0.0	0.0580	0.0009	0.642	0.011	0.083	0.001	0.5	528.2	7.9	516.9	6.0	503.6	8.5	2.1	0.034		517	12
M5-02-45r	mantle	256	20	11	0.0	0.0601	0.0007	0.728	0.016	0.087	0.001	0.9	608.6	6.6	538.5	8.2	555.4	12.2	11.5	0.000			
M5-02-32r	rim	327	25	12	0.0	0.0604	0.0010	0.670	0.016	0.082	0.002	0.7	618.8	10.2	509.8	10.3	520.9	12.8	17.6	0.120	**********	510	21
M5-02-38r	mantle	292	23	20	0.1	0.0643	0.0009	0.748	0.017	0.085	0.001	0.8	751.5	10.8	524.7	7.9	567.0	13.0	30.2	0.000			
M5-02-54r	mantle	363	29	15	0.0	0.0648	0.0012	0.739	0.018	0.085	0.001	0.6	767.2	14.4	526.1	8.4	561.8	13.7	31.4	0.000			
M5-02-46r	rim	285	23	19	0.1	0.0656	0.0009	0.762	0.015	0.085	0.001	0.8	794.2	10.4	526.2	7.3	575.4	11.4	33.7	0.000			
M5-02-53r	rim	324	26	20	0.1	0.0692	0.0014	0.813	0.027	0.086	0.002	0.8	904.1	18.7	529.8	9.4	604.3	19.8	41.4	0.000			
M5-02-25c	core	272	22	8	0.0	0.0702	0.0014	0.838	0.023	0.085	0.001	0.7	934.4	18.2	523.7	8.5	618.1	17.1	44.0	0.000			
M5-02-43	mantle	353	30	19	0.1	0.0718	0.0010	0.840	0.020	0.087	0.001	0.8	980.7	13.8	539.0	8.4	619.2	14.5	45.0	0.000			
M5-02-30c	core	131	99	216	1.6	0.1911	0.0018	14.768	0.311	0.551	0.009	0.9	2751.5	26.4	2829.6	46.3	2800.4	59.0	-2.8	0.172		2751	53
M5-02-31c	core	68	25	61	0.9	0.1042	0.0013	4.641	0.107	0.314	0.005	0.9	1700.4	20.6	1758.5	27.7	1756.7	40.4	-3.4	0.883		1700	41

********** = concordant but excluded from concordia age calculation

		Concentrations				Ratios							Ages									
Samples	zone	U (ppm)	Pb (ppm)	Th (ppm)	Th/U	207Pb/206	1σ abs	207Pb/235	1σ abs	206Pb/238	1σ abs	Rho	207Pb/206	1s Ma	206Pb/238	1s Ma	207Pb/235	1s Ma	Disc. %	Prob	Reported age	±2σ
Group 2 clasts																						
M7-03-11	mantle	316	21	3	0.0	0.0574	0.0010	0.575	0.009	0.073	0.001	0.4	506.2	8.4	452.1	6.3	461.4	7.5	10.7	0.155	452	13
M7-03-25	mantle	469	32	5	0.0	0.0571	0.0007	0.582	0.008	0.075	0.001	0.5	494.1	5.9	465.0	5.3	465.8	6.1	5.9	0.876	465	11
M6-03-05r	mantle	197	20	63	0.3	0.0614	0.0007	0.861	0.011	0.099	0.002	0.7	654.6	7.9	609.3	9.7	630.8	8.2	6.9	0.002	609	19
m7-03-18	core	27	5	12	0.5	0.0748	0.0012	1.852	0.047	0.174	0.002	0.8	1062.8	17.5	1032.4	12.8	1064.3	27.1	2.9	0.001	1063	26
M6-03-08	whole	141	27	87	0.6	0.0757	0.0008	1.898	0.025	0.177	0.003	0.7	1087.2	12.1	1051.0	16.4	1080.5	14.2	3.3	0.006	1087	33
M6-03-02r	rim	294	51	16	0.1	0.0788	0.0009	2.007	0.023	0.185	0.002	0.5	1167.4	13.2	1096.3	11.6	1118.0	12.6	6.1	0.026	1167	23
M7-03- 09	rim	64	13	26	0.4	0.0811	0.0011	2.273	0.047	0.190	0.002	0.8	1223.3	15.9	1120.4	13.9	1203.9	25.1	8.4	0.000		
M7-03- 10	rim	85	18	27	0.3	0.0812	0.0010	2.427	0.037	0.209	0.002	0.6	1226.5	14.5	1221.3	11.8	1250.5	19.3	0.4	0.002	1226	24
M6-03-02c	core	348	68	40	0.1	0.0823	0.0009	2.301	0.026	0.204	0.002	0.5	1253.0	13.4	1194.8	12.5	1212.6	13.5	4.6	0.076	1253	25
m7-03-21	core	140	37	46	0.3	0.1002	0.0010	3.591	0.057	0.257	0.003	0.8	1627.7	16.9	1473.4	18.0	1547.6	24.6	9.5	0.000		
M6-03-04n	whole anh	93	30	2	0.0	0.1142	0.0012	5.406	0.067	0.333	0.003	0.5	1866.5	20.2	1853.0	16.6	1885.7	23.3	0.7	0.010	1867	33
M6-03-07c	core	80	27	38	0.5	0.1143	0.0012	5.097	0.081	0.313	0.005	0.8	1869.4	19.9	1753.0	29.9	1835.6	29.1	6.2	0.000		
m7-03-28	core	71	45	58	0.8	0.1896	0.0017	14.144	0.245	0.530	0.006	0.9	2739.1	24.0	2742.0	33.6	2759.4	47.9	-0.1	0.248	2739	67
M6-03-11	rim	32	18	20	0.6	0.1941	0.0020	13.862	0.276	0.491	0.008	0.9	2777.2	28.6	2574.5	42.3	2740.3	54.6	7.3	0.000		
M6-03-10n	mantle	563	72	18	0.0	0.0704	0.0008	1.311	0.020	0.138	0.002	0.8	940.7	10.4	835.2	14.4	850.8	12.9	11.2	0.074	835	29
M7-03-07	core	182	38	111	0.6	0.0834	0.0009	2.211	0.033	0.186	0.002	0.7	1277.8	13.6	1101.0	13.2	1184.5	17.4	13.8	0.000		
M6-03-03r	rim	657	49	194	0.3	0.0586	0.0007	0.616	0.006	0.076	0.001	0.4	553.2	6.2	470.5	4.7	487.3	5.0	15.0	0.000		
m7-03-27c	core	283	55	60	0.2	0.0866	0.0010	2.282	0.048	0.188	0.003	0.8	1350.5	16.1	1112.8	17.6	1206.8	25.4	17.6	0.000		
M7-03-06	core	64	13	17	0.3	0.0916	0.0013	2.732	0.064	0.204	0.003	0.8	1460.0	21.1	1195.5	17.8	1337.1	31.3	18.1	0.000		
M7-05-05	core	87	22	33	0.4	0.0892	0.0011	3.388	0.074	0.268	0.005	0.8	1408.2	17.3	1529.4	29.7	1501.7	32.7	-8.6	0.077	1408	59
M7-05-02	mantle	83	25	44	0.5	0.0949	0.0010	3.775	0.063	0.282	0.004	0.8	1525.2	16.4	1603.8	22.2	1587.5	26.3	-5.2	0.202	1525	44
M7-05-01	rim	82	7	57	0.7	0.0556	0.0010	0.565	0.013	0.074	0.001	0.7	438.3	7.7	460.0	8.2	454.5	10.6	-4.9	0.424	460	16
M7-05-17c	mantle	76	15	18	0.2	0.0785	0.0010	2.286	0.038	0.204	0.003	0.7	1158.7	14.3	1198.5	15.9	1208.1	20.3	-3.4	0.373	1159	32
M7-05-10r	mix	93	25	34	0.4	0.0931	0.0010	3.459	0.051	0.269	0.003	0.7	1490.1	16.1	1533.4	18.3	1517.9	22.5	-2.9	0.187	1490	37
M7-05-06	core	96	25	35	0.4	0.0898	0.0013	3.274	0.071	0.254	0.005	0.8	1421.5	20.6	1456.7	28.5	1474.8	32.1	-2.5	0.281	1422	57
M6-05-06	core round	200	41	73	0.4	0.0787	0.0007	2.236	0.037	0.202	0.003	0.9	1165.2	10.0	1185.9	20.1	1192.5	19.9	-1.8	0.507	1165	40
M7-05-11c	mantle	38	11	28	0.7	0.0933	0.0016	3.500	0.080	0.265	0.005	0.7	1493.2	25.9	1516.4	27.5	1527.2	34.9	-1.6	0.556	1493	55
M6-05-03	core	87	65	130	1.5	0.1878	0.0017	14.178	0.251	0.527	0.010	0.9	2723.3	24.4	2729.3	49.4	2761.7	48.9	-0.2	0.227	2723	99
M7-05-25	rim	54	9	17	0.3	0.0736	0.0012	1.790	0.036	0.172	0.002	0.6	1029.7	16.2	1023.3	12.7	1042.0	21.2	0.6	0.085	1030	25
M6-05-07	mantle	46	32	38	0.8	0.2092	0.0018	16.678	0.316	0.559	0.009	0.9	2899.4	25.2	2862.3	48.4	2916.5	55.2	1.3	0.026	2899	97
M7-05-23	rim	160	29	46	0.3	0.0759	0.0009	1.935	0.029	0.181	0.002	0.6	1093.5	12.6	1074.2	11.4	1093.3	16.4	1.8	0.027	1093	23
M7-05-19	mantle	22	6	8	0.4	0.0912	0.0018	3.316	0.100	0.246	0.003	0.9	1451.1	28.8	1419.0	19.0	1484.9	44.9	2.2	0.000		
M7-05-09	mantle	44	8	26	0.6	0.0760	0.0011	1.900	0.040	0.180	0.003	0.7	1095.2	16.3	1066.5	16.7	1081.2	22.7	2.6	0.194	1095	33
M6-05-05r	rim	297	24	129	0.4	0.0571	0.0006	0.602	0.010	0.077	0.001	0.8	495.8	5.3	479.4	8.4	478.6	8.0	3.3	0.875	479	17
M7-05-15	rim	345	65	91	0.3	0.0799	0.0010	2.065	0.028	0.187	0.002	0.5	1194.1	14.7	1105.9	13.0	1137.4	15.6	7.4	0.003	1194	26
M6-05-01n	mantle	374	27	73	0.2	0.0583	0.0007	0.597	0.009	0.076	0.001	0.7	541.2	6.9	471.2	7.7	475.3	6.8	12.9	0.467	471	15
M7-05-13c	mantle	122	31	61	0.5	0.0951	0.0016	3.079	0.057	0.235	0.003	0.5	1530.2	26.2	1358.6	18.3	1427.4	26.5	11.2	0.000		
M7-05-07	rim	101	24	53	0.5	0.0932	0.0011	3.048	0.079	0.227	0.005	0.9	1491.7	17.8	1318.1	28.5	1419.8	36.6	11.6	0.000		
M7-07-02	rim	108	34	28	0.3	0.1069	0.0011	4.855	0.073	0.319	0.003	0.7	1746.4	18.0	1785.7	19.0	1794.4	27.1	-2.3	0.441	1746	38
M7-07-03	mantle	490	36	113	0.2	0.0582	0.0006	0.603	0.009	0.076	0.001	0.8	538.4	5.7	472.4	7.2	479.3	7.1	12.3	0.136	472	14
M7-07-04r	rim	42	25	22	0.5	0.1950	0.0021	14.702	0.326	0.521	0.007	0.9	2785.0	29.8	2703.1	35.5	2796.2	61.9	2.9	0.000		
M7-07-04c	core	85	56	83	1.0	0.1941	0.0016	14.549	0.264	0.521	0.006	0.9	2776.9	22.2	2701.8	30.2	2786.2	50.6	2.7	0.000		
M7-07-05	core	422	103	48	0.1	0.0921	0.0009	3.156	0.040	0.252	0.003	0.8	1468.6	13.6	1451.1	19.8	1446.4	18.2	1.2	0.703	1469	40
M7-07-08	mantle	41	8	25	0.6	0.0756	0.0014	1.971	0.058	0.183	0.002	0.9	1085.2	20.8	1081.1	14.2	1105.5	32.5	0.4	0.025	1085	28
M7-07-09	rim	115	32	37	0.3	0.1048	0.0012	4.064	0.102	0.278	0.006	0.9	1710.7	18.9	1582.7	32.1	1647.1	41.2	7.5	0.000		
M7-07-10	rim	135	34	35	0.3	0.0934	0.0009	3.353	0.049	0.252	0.003	0.8	1496.9	14.1	1451.0	17.9	1493.6	21.8	3.1	0.000		
M6-09-01		623	50	71	0.1	0.0704	0.0012	0.798	0.018	0.085	0.002	0.7	939.0	15.5	527.5	11.4	595.7	13.4	43.8	0.000		
M6-09-02		882	70	89	0.1	0.0689	0.0011	0.762	0.017	0.083	0.002	0.8	895.6	14.7	516.4	12.9	575.3	13.0	42.3	0.000		
M6-09-03		1043	91	95	0.1	0.0835	0.0036	0.979	0.048	0.085	0.001	0.5	1280.5	54.7	525.8	8.2	693.3	34.1	58.9	0.000		
M6-09-04		605	64	62	0.1	0.1220	0.0038	1.571	0.063	0.093	0.001	0.7	1986.4	62.1	571.3	9.1	958.7	38.2	71.2	0.000		
M6-09-05		3243	256	414	0.1	0.0648	0.0007	0.727	0.009	0.082	0.001	0.7	768.4	8.6	509.4	7.8	554.8	6.8	33.7	0.000		
M6-09-06		1675	125	188	0.1	0.0569	0.0006	0.629	0.009	0.080	0.001	0.8	489.4	5.2	496.0	8.3	495.5	7.0	-1.3	0.929	496	17
M6-09-07		668	53	69	0.1	0.0722	0.0008	0.773	0.016	0.080	0.002	0.8	991.9	10.8	496.5	9.6	581.6	11.7	49.9	0.000		
M6-09-08		1099	88	103	0.1	0.0686	0.0011	0.767	0.015	0.084	0.002	0.7	887.9	14.2	517.8	10.1	578.1	11.4	41.7	0.000		
M6-09-09r		802	61	95	0.1	0.0624	0.0008	0.700	0.015	0.081	0.001	0.8	689.2	8.6	502.2	7.3	538.6	11.5	27.1	0.000		
M6-09-13c		153	22	45	0.3	0.1878	0.0102	3.272	0.273	0.105	0.003	0.9	2722.6	147.6	645.0	18.0	1474.4	123.0	76.3	0.000		

		Concentrations				Ratios							Ages									
Samples	zone	U (ppm)	Pb (ppm)	Th (ppm)	Th/U	207Pb/206	1σ abs	207Pb/235	1σ abs	206Pb/238	1σ abs	Rho	207Pb/206	1s Ma	206Pb/238	1s Ma	207Pb/235	1s Ma	Disc. %	Prob	Reported age	±2σ
Group 2 clasts																						
M6-09-13r		495	38	64	0.1	0.0627	0.0009	0.686	0.014	0.081	0.001	0.7	696.7	9.9	504.0	7.9	530.6	11.0	27.7	0.000		
M7-12-01	mantle	233	56	68	0.3	0.0851	0.0011	2.848	0.051	0.240	0.004	0.7	1317.7	16.5	1385.1	20.7	1368.2	24.4	-5.1	0.192	1318	41
M7-12-02	rim	146	12	78	0.5	0.0576	0.0009	0.623	0.013	0.078	0.001	0.7	514.1	7.9	482.3	6.3	492.0	10.6	6.2	0.105	482	13
M7-12-05	mantle	52	12	23	0.4	0.0838	0.0013	2.579	0.060	0.214	0.002	0.8	1287.6	20.2	1249.3	13.9	1294.7	29.9	3.0	0.000		
M7-12-07	rim	30	6	5	0.2	0.0780	0.0012	2.225	0.051	0.197	0.003	0.7	1146.7	18.0	1159.8	16.9	1188.9	27.3	-1.1	0.012	1147	34
M7-12-08	core	77	51	37	0.5	0.2070	0.0022	16.762	0.291	0.576	0.007	0.8	2882.4	31.1	2932.1	38.1	2921.3	50.7	-1.7	0.598	2882	76
M7-12-11	mix	192	50	78	0.4	0.0929	0.0011	3.263	0.052	0.252	0.003	0.7	1486.5	17.9	1447.5	16.1	1472.3	23.5	2.6	0.028	1486	32
M7-12-12	mantle	13	5	29	2.1	0.0945	0.0019	3.654	0.160	0.249	0.003	0.9	1518.8	30.7	1432.7	19.7	1561.3	68.4	5.7	0.000		
M4-20-29	mantle	286	54	19	0.1	0.0761	0.0005	2.107	0.021	0.201	0.002	0.8	1097.4	7.5	1180.5	13.0	1151.2	11.7	-7.6	0.000		
M4-20-28	rim	112	22	69	0.6	0.0754	0.0006	2.008	0.026	0.185	0.002	0.8	1079.6	9.1	1092.1	11.9	1118.3	14.4	-1.2	0.000		
M4-20-26	core	26	6	25	0.9	0.0765	0.0011	2.136	0.053	0.189	0.002	0.9	1107.0	16.4	1117.4	13.2	1160.5	28.6	-0.9	0.000		
M4-20-09	mantle	32	11	27	0.9	0.1035	0.0009	4.554	0.069	0.299	0.003	0.8	1688.3	15.2	1686.1	19.6	1741.0	26.4	0.1	0.000		
M4-20-04	core	61	60	52	0.9	0.3270	0.0020	35.188	0.487	0.741	0.008	0.9	3603.2	21.7	3574.6	39.2	3643.9	50.4	0.8	0.000		
M4-20-41	rim	298	26	197	0.7	0.0579	0.0006	0.650	0.008	0.081	0.001	0.7	526.1	5.5	499.2	6.7	508.7	6.4	5.1	0.047	499	13
M4-20-42	core	102	30	77	0.8	0.0987	0.0008	3.673	0.052	0.257	0.003	0.8	1599.3	13.1	1472.7	17.7	1565.6	22.2	7.9	0.000		
M4-20-40	core	217	18	235	1.1	0.0615	0.0009	0.616	0.011	0.071	0.001	0.6	656.5	9.6	443.6	5.5	487.2	8.4	32.4	0.000		
M4-20-03	rim/overgr	513	40	179	0.3	0.0637	0.0011	0.669	0.013	0.077	0.001	0.5	730.3	12.6	476.7	6.3	520.4	10.3	34.7	0.000		

********** = concordant but excluded from concordia age calculation