

Appendix - Zircon U-Pb isotopic data of gneisses and granites from Januária High.

Sample E7

Identifier	206Pb	207Pb	208Pb	U (ppm)	Th/U	206Pb/208Pb	Ratios						Ratios						Dates						% conc d	% conc e								
							206Pb/207Pb		206Pb/208Pb		207Pb/208Pb		206Pb/207Pb		206Pb/208Pb		207Pb/208Pb		206Pb/207Pb		206Pb/208Pb		207Pb/208Pb											
							1σ	2σ	1σ	2σ	1σ	2σ	1σ	2σ	1σ	2σ	1σ	2σ	1σ	2σ	1σ	2σ	1σ	2σ										
1.5SMPABC185	0.080843	987160	172830.3	355.9285	0.297255	480.0843	0.17522	0.0019	0.47674573	0.00291	11.50889	0.003475	0.07758	0.0021	0.1768291	2.172421	11.62398	2.492144	0.47676	1.221211	0.490025	0.07758	5.413766	2623.2535	36.18752	39.80556	2513.138	25.46574	40.4253	2574.004	23.5529	26.17451	104.3856	102.4458
1.5SMPABC186	0.086077	892413.3	54851.23	225.5714	0.744744	49.15164	0.14075	0.00132	0.297957676	0.00175	5.764886	0.002792	0.03061	0.00051	0.1418222	2.128492	5.827515	2.471872	0.29911	1.256849	0.508641	0.03061	3.33224	2741.7584	36.86988	40.76007	1686.894	18.68367	26.14231	1949.77	21.61727	26.84763	132.8027	115.5834
1.5SMPABC187	0	262890	40103.19	132.007	0.440843	54.562167	0.15249	0.00151	0.34143	0.00203	7.178675	0.00253	0.07923	0.00083	0.1450145	1.980458	7.250652	2.310024	0.34143	1.189116	0.514764	0.07923	4.619462	2290.9876	33.76625	37.85776	1893.545	19.54844	31.51884	2142.732	20.79928	26.4821	126.2704	113.1590
1.5SMPABC188	0.490799	360638	63623.71	124.4101	0.744222	66.20371	0.17729	0.00179	0.49584548	0.00307	12.12103	0.00354	0.0545	0.00161	0.1781841	2.104147	12.24224	2.44633	0.4983	1.247836	0.510085	0.0545	5.908257	2636.6807	35.00743	38.78871	2608.486	26.80839	42.01295	2623.153	23.20976	28.93766	101.1339	106.6394
1.5SMPABC189	0.570083	423651.2	54482.66	274.9169	0.269466	53.020212	0.12914	0.00137	0.261389649	0.00167	4.497136	0.00216	0.07632	0.00308	0.1298887	2.207905	4.744108	2.664667	0.2649	1.322294	0.499985	0.07632	9.071279	2096.4579	40.62424	44.30279	1514.863	18.01153	27.16932	1775.067	22.56413	27.31839	138.3926	137.1768
1.5SMPABC190	0.643951	402287.5	56997.1	231.8873	0.296044	52.79798	0.1416	0.00144	0.296170466	0.00179	5.783375	0.00229	0.07966	0.0018	0.1433095	2.243443	5.840399	2.580227	0.29809	1.276331	0.494658	0.07966	5.472261	2252.895	38.78686	42.50824	1681.83	18.92175	26.25279	1952.366	23.5857	27.64138	133.9549	116.0875
1.5SMPABC191	0.26964	417552.9	47722.53	313.2965	0.247231	99.427966	0.1146	0.00116	0.228412444	0.0014	3.609156	0.00118	0.09911	0.0011	0.1154239	2.084025	3.645248	2.427596	0.32903	1.245016	0.512859	0.09911	5.62516	1866.667	37.59928	41.73541	1226.413	14.97764	23.48534	1559.471	18.48729	24.32563	141.9173	117.3052
1.5SMPABC192	0.57975	209959.6	4230.65	111.325	0.364668	57.296295	0.16793	0.00188	0.40613897	0.00225	9.059443	0.00168	0.03074	0.00374	0.1664994	2.414822	9.145492	2.741036	0.40291	1.297964	0.473531	0.03074	5.916137	2203.5663	40.6923	44.07107	2182.609	24.07691	36.80966	2352.673	25.37855	30.47444	114.7023	107.7918
1.5SMPABC193	0.9273	793313.4	71412.05	703.266	0.136479	22.229817	0.09988	0.00192	0.19211873	0.0023	2.460753	0.00296	0.03329	0.00304	0.0999176	4.737708	2.43002	5.583709	0.19391	2.557781	0.475966	0.03329	15.65087	1444.8778	90.469	92.47862	1142.521	26.83575	31.13472	1251.758	39.37262	41.57664	91.79754	0.99086
1.5SMPABC194	1.718101	456142.6	7737.62	171.7162	0.163844	19.979725	0.17248	0.00238	0.44881197	0.00382	10.47747	0.00403	0.05427	0.00542	0.1721218	1.463199	10.78424	3.018728	0.45683	1.833762	0.467948	0.05427	9.819173	2549.5242	57.99166	60.37997	2425.546	33.17566	48.10487	2044.799	37.0505	40.87734	105.9359	103.2677
1.5SMPABC195	2.360884	332786.7	56370.43	123.9031	0.163669	13.152224	0.1734	0.00261	0.45101923	0.00442	10.78315	0.00528	0.10453	0.00873	0.1719974	4.20978	10.80968	4.803583	0.46166	2.13954	0.490569	0.10453	10.96336	2508.4005	71.85786	73.78907	2446.883	44.12053	53.79124	2513.365	45.6482	48.86626	104.9664	102.7374
1.5SMPABC196	1.586204	174477.6	30995.61	41.89187	0.40165	12.349451	0.17027	0.00256	0.47612943	0.00424	11.50671	0.00493	0.04037	0.00217	0.1742148	3.491108	11.62123	3.961766	0.4838	1.871431	0.472713	0.04037	6.972504	2298.5516	58.30902	60.60936	2541.796	39.45458	50.64458	2574.382	37.7019	41.51687	102.1425	101.2024

Sample E8

Identifier	206Pb	207Pb	208Pb	U (ppm)	Th/U	206Pb/208Pb	Ratios						Ratios						Dates						% conc d	% conc e								
							206Pb/207Pb		206Pb/208Pb		207Pb/208Pb		206Pb/207Pb		206Pb/208Pb		207Pb/208Pb		206Pb/207Pb		206Pb/208Pb		207Pb/208Pb											
							1σ	2σ	1σ	2σ	1σ	2σ	1σ	2σ	1σ	2σ	1σ	2σ	1σ	2σ	1σ	2σ	1σ	2σ										
1.5SMPABC160	0.072975	153155.9	24177.31	397.6245	0.289757	396.34928	0.15777	0.00255	0.24628175	0.00277	5.356453	0.003765	0.0767	0.0066	0.192314	2.326279	5.431039	3.949955	0.24642	2.249074	0.570667	0.0767	17.20991	2447.525	54.87309	57.43657	1419.087	28.72642	34.56447	1886.456	34.29322	37.71939	172.3149	132.8301
1.5SMPABC161	0	120046	19114.92	272.4203	0.148794	19114.925	0.15923	0.00231	0.28152	0.00308	6.186968	0.003791	0.14912	0.01195	0.168021	2.778589	6.242471	3.514382	0.28152	2.188122	0.619061	0.14912	10.07236	2464.3241	46.97287	49.95129	1999.013	31.06226	37.70905	2010.421	31.27113	35.39307	124.1153	125.7289
1.5SMPABC162	0.069425	640537.7	80811.01	2661.824	0.085478	57.343829	0.14165	0.00209	0.152190188	0.00213	2.972781	0.00259	0.05791	0.00335	0.1416706	4.346663	3.020208	5.306666	0.14508	3.045991	0.573385	0.05791	6.05791	13.08722	3227.837	75.23113	77.31469	971.598	26.22935	1408.154	41.14328	45.41208	243.9368	153.0013
1.5SMPABC163	0.564119	310821.1	37547.98	2521.92	0.480923	25.142361	0.08923	0.00222	0.078216107	0.0093	0.962295	0.001524	0.03811	0.0093	0.0896137	3.029972	0.971918	4.03254	0.07866	2.765882	0.674198	0.03811	10.72087	1417.3106	58.0832	61.1891	488.1195	13.01546	14.8414	889.452	20.6033	22.47127	290.9614	141.2466
1.5SMPABC164	0.474133	365110.5	41119.51	2151.009	0.099253	64.841374	0.11863	0.00225	0.07905671	0.00302	1.769943	0.009713	0.0832	0.56473	0.1192483	15.48957	1.783622	16.67116	0.10848	5.630445	0.338072	0.0832	289.8541	1783664	281.0962	281.6772	663.9143	35.45455	36.90366	1039.501	114.3719	114.9888	292.4579	156.4716
1.5SMPABC165	0.190417	351990.5	24255.66	3349.425	0.085299	91.269998	0.099172	0.00306	0.066912307	0.0008	0.617883	0.001128	0.04156	0.00372	0.06708	3.404262	0.939275	0.06708	2.425278	0.617715	0.04156	17.90183	918.8802	64.4834	67.55680	418.4187	9.94730	11.66336	501.4427	15.82297	17.39861	219.6984	120.4784	
1.5SMPABC166	0	161201	11753.12	1388.786	0.244416	1375.3117	0.08427	0.00377	0.07511	0.00304	0.872714	0.002588	0.02986	0.00488	0.0851127	5.624278	0.881441	6.269229	0.07511	2.769272	0.441703	0.02986	35.48587	1318.1075	109.8289	111.057	466.6085	17.48387	14.20928	641.7608	30.16845	31.35353	282.3295	137.4007
1.5SMPABC167	1.833811	581301	87319.49	1683.315	0.371677	21.030705	0.15307	0.00431	0.116593879	0.0037	4.569784	0.00568	0.02639	0.0022	0.1511716	6.358133	4.615482	7.271461	0.12964	3.74312	0.51464	0.02639	16.67208	2365.3579	106.6118	107.8647	1285.236	43.50558	47.17266	1752.071	67.47713	64.43844	184.0379	136.3208
1.5SMPABC168	0.492608	551165.4	92962.15	1574.85	0.512817	80.078067	0.10891	0.00661	0.144477147	0.00567	8.022635	0.008799	0.11548	0.03226	0.1697254	7.489518	8.102862	8.547767	0.11548	3.28831	0.382176	0.11548	56.29027	2555.0391	132.3	133.3071	1916.571	54.74939	60.22077	2242.564	40.29999	85.10777	133.3128	117.0892
1.5SMPABC169	0.266499	229165.1	26085.61	1966.979	0.384896	108.92085	0.11727	0.0022	0.14035285	0.00137	1.843858	0.002592	0.03807	0.0044	0.1181271	3.789552	1.862297	4.907833	0.1181271	2.44428	0.541564	0.03807	25.98169	1928.0837	68.03082	70.37815	497.8036	16.16816	18.99978	1067.801	30.19144	32.48723	276.2879	153.0013
1.5SMPABC170	0	264020	16586.53	2947.321	0.144453	1201.2061	0.06252	0.00084	0.06593	0.00075	0.568124	0.001126	0.02752	0.00226	0.0631452	2.68714	0.574017	1.529055	0.06593	2.27514	0.646175	0.02752	17.15116	713.12448	57.28914	61.16726	411.5884	6.077						

