

Table 4s U-Pb data for Phalabowa Zircon

Analysis	Pb ^a [ppm]	U ^a [ppm]	Th/U	²⁰⁷ Pb ^b [cps]	²³⁸ U ^b [cps]	RATIOS						AGES [Ma]						
	2s	²⁰⁷ Pb/ ²³⁵ U ^c		2s	²⁰⁶ Pb/ ²³⁸ U ^c	2s	rho ^d	2s	²⁰⁷ Pb/ ²⁰⁶ Pb	2s	²⁰⁷ Pb/ ²³⁵ U	2s	²⁰⁶ Pb/ ²³⁸ U	2s				
Date: 2016-6-3																		
Phalabowa-1	23	44	1.2	675	15765	0.1271	0.0049	6.5837	0.2481	0.3761	0.0061	0.43	2058	58	2057	33	2058	29
Phalabowa-2	59	104	1.6	1670	38508	0.1253	0.0035	6.5051	0.1791	0.3764	0.0042	0.40	2033	48	2047	24	2059	20
Phalabowa-3	48	84	1.6	1432	32818	0.1255	0.0035	6.5247	0.1872	0.3770	0.0050	0.46	2036	48	2049	25	2062	24
Phalabowa-4	40	71	1.4	1263	29129	0.1261	0.0038	6.5542	0.1962	0.3766	0.0044	0.39	2044	53	2053	27	2060	21
Phalabowa-5	19	35	1.2	656	15142	0.1281	0.0049	6.6655	0.2501	0.3775	0.0056	0.39	2072	67	2068	33	2065	26
Phalabowa-6	29	52	1.4	1021	23647	0.1238	0.0037	6.4554	0.1899	0.3776	0.0057	0.51	2013	52	2040	26	2065	27
Phalabowa-7	28	52	1.3	812	18668	0.1282	0.0046	6.6586	0.2312	0.3770	0.0059	0.45	2073	63	2067	31	2062	28
Phalabowa-8	62	107	1.7	1746	40132	0.1257	0.0039	6.5295	0.1972	0.3765	0.0039	0.34	2039	53	2050	27	2060	18
Phalabowa-9	48	83	1.6	1430	32692	0.1263	0.0035	6.5454	0.1735	0.3761	0.0045	0.45	2047	50	2052	24	2058	21
Phalabowa-10	38	68	1.4	1227	28210	0.1272	0.0039	6.5972	0.1848	0.3763	0.0045	0.43	2061	55	2059	25	2059	21
Phalabowa-11	17	34	1.1	634	14675	0.1280	0.0048	6.5933	0.2475	0.3732	0.0052	0.37	2072	67	2058	33	2045	24
Phalabowa-12	36	68	1.1	1372	31256	0.1277	0.0037	6.5888	0.1742	0.3740	0.0041	0.42	2078	49	2058	23	2048	20
Phalabowa-13	23	45	1.1	702	16197	0.1278	0.0047	6.6173	0.2618	0.3752	0.0062	0.42	2069	66	2062	35	2054	29
Phalabowa-14	61	106	1.6	1737	39803	0.1262	0.0034	6.5320	0.1716	0.3754	0.0038	0.38	2056	48	2050	23	2055	18
Phalabowa-15	42	75	1.5	1302	29574	0.1265	0.0042	6.5854	0.2178	0.3774	0.0045	0.36	2050	59	2057	29	2064	21
Phalabowa-16	38	68	1.4	1251	28401	0.1290	0.0038	6.7093	0.1862	0.3770	0.0045	0.43	2085	52	2074	25	2062	21
Phalabowa-17	38	70	1.4	1326	30684	0.1271	0.0038	6.5330	0.1866	0.3727	0.0048	0.45	2058	52	2050	25	2042	22
Phalabowa-18	40	69	1.5	1393	32164	0.1267	0.0028	6.5370	0.1486	0.3738	0.0041	0.48	2054	40	2051	20	2047	19
Phalabowa-19	29	55	1.2	856	19719	0.1274	0.0046	6.5750	0.2302	0.3745	0.0057	0.44	2063	63	2056	31	2050	27
Phalabowa-20	42	70	1.5	1175	26698	0.1259	0.0037	6.5755	0.1886	0.3789	0.0047	0.43	2043	61	2056	25	2071	22
Phalabowa-21	45	80	1.5	1385	31667	0.1268	0.0046	6.5568	0.2282	0.3750	0.0061	0.47	2055	65	2054	31	2053	29
Phalabowa-22	38	68	1.5	1234	28620	0.1270	0.0037	6.5931	0.1862	0.3763	0.0045	0.43	2058	51	2058	25	2059	21

Phalabowa-23	38	70	1.3	1353	30926	0.1277	0.0036	6.6002	0.1864	0.3745	0.0052	0.50	2066	48	2059	25	2050	25		
Phalabowa-24	38	64	1.7	1294	30020	0.1255	0.0034	6.5245	0.1689	0.3769	0.0048	0.49	2036	48	2049	23	2062	23		
Phalabowa-25	63	111	1.6	1745	40221	0.1269	0.0039	6.5559	0.2069	0.3744	0.0045	0.38	2055	55	2053	28	2050	21		
Phalabowa-26	56	98	1.6	1620	37210	0.1253	0.0035	6.5072	0.1831	0.3765	0.0048	0.45	2035	49	2047	25	2060	23		
Phalabowa-27	44	77	1.5	1348	30930	0.1259	0.0039	6.5428	0.1981	0.3766	0.0049	0.43	2043	54	2052	27	2060	23		
Phalabowa-28	34	62	1.3	1138	26289	0.1281	0.0041	6.6709	0.2131	0.3773	0.0047	0.39	2072	56	2069	28	2064	22		
Phalabowa-29	41	73	1.5	1414	32466	0.1265	0.0035	6.5250	0.1759	0.3734	0.0048	0.48	2050	50	2049	24	2046	23		
Phalabowa-30	33	62	1.0	1281	29342	0.1296	0.0032	6.6635	0.1744	0.3727	0.0052	0.53	2092	44	2068	23	2042	24		
Date: 2016-6-6																				
Phalabowa-31	229	329	3.3	5558	144395	0.1268	0.0046	6.7470	0.2405	0.3851	0.0068	0.50	2055	54	2079	32	2100	32		
Phalabowa-32	242	349	3.2	6099	154591	0.1242	0.0047	6.4978	0.2790	0.3788	0.0082	0.50	2018	68	2046	38	2071	38		
Phalabowa-33	191	279	3.1	4986	124235	0.1238	0.0039	6.4657	0.2546	0.3783	0.0103	0.69	2013	56	2041	35	2069	48		
Phalabowa-34	191	271	3.0	5130	122056	0.1261	0.0035	6.5590	0.2539	0.3772	0.0117	0.80	2044	48	2054	34	2063	55		
Phalabowa-35	128	210	2.5	3767	96161	0.1264	0.0051	6.5875	0.2834	0.3775	0.0090	0.55	2048	70	2058	38	2064	42		
Phalabowa-36	219	325	3.2	5831	150819	0.1291	0.0051	6.7993	0.2808	0.3807	0.0079	0.50	2087	70	2086	37	2080	37		
Phalabowa-37	246	362	3.2	6181	159166	0.1292	0.0038	6.7299	0.2119	0.3771	0.0069	0.58	2087	52	2077	28	2063	32		
Phalabowa-38	213	314	3.1	5494	138888	0.1251	0.0043	6.4900	0.2506	0.3758	0.0076	0.53	2031	62	2045	34	2057	36		
Phalabowa-39	181	264	3.0	4795	117783	0.1253	0.0032	6.5292	0.2512	0.3771	0.0108	0.74	2035	47	2050	34	2063	50		
Phalabowa-40	200	286	3.1	5315	129229	0.1251	0.0035	6.4982	0.2495	0.3762	0.0093	0.65	2031	50	2046	34	2059	44		
Phalabowa-41	178	277	2.8	4779	127287	0.1231	0.0041	6.4046	0.2283	0.3766	0.0074	0.55	2067	59	2033	31	2060	35		
Phalabowa-42	219	327	3.1	5846	152381	0.1277	0.0045	6.6379	0.2554	0.3755	0.0072	0.50	2078	62	2064	34	2055	34		
Phalabowa-43	229	338	3.2	5792	148585	0.1275	0.0039	6.6706	0.2386	0.3788	0.0084	0.62	2065	64	2069	32	2071	39		
Phalabowa-44	193	286	3.0	5041	126575	0.1251	0.0039	6.5358	0.2558	0.3787	0.0108	0.73	2031	55	2051	35	2070	51		
Phalabowa-45	235	322	3.4	5982	143790	0.1265	0.0031	6.6145	0.2273	0.3790	0.0101	0.77	2050	44	2061	30	2071	47		
Phalabowa-46	221	310	3.3	5777	140510	0.1253	0.0033	6.5833	0.2369	0.3805	0.0094	0.69	2035	48	2057	32	2079	44		
Phalabowa-47	170	266	2.9	4579	122137	0.1230	0.0039	6.4786	0.2472	0.3809	0.0087	0.60	2067	56	2043	34	2080	41		

Phalabowa-48	200	299	3.1	5382	139739	0.1259	0.0040	6.5720	0.2394	0.3775	0.0092	0.67	2043	57	2056	32	2064	43
Phalabowa-49	225	333	3.2	5693	146570	0.1264	0.0042	6.5707	0.2597	0.3763	0.0077	0.52	2050	59	2055	35	2059	36
Phalabowa-50	190	282	3.1	5010	125363	0.1248	0.0038	6.5154	0.2485	0.3780	0.0098	0.68	2028	54	2048	34	2067	46
Phalabowa-51	235	319	3.4	5980	142651	0.1262	0.0031	6.6097	0.2234	0.3791	0.0089	0.69	2047	53	2061	30	2072	42
Phalabowa-52	240	339	3.2	6171	153810	0.1241	0.0036	6.5071	0.2140	0.3800	0.0073	0.58	2017	52	2047	29	2076	34
Phalabowa-53	152	245	2.7	4345	112802	0.1283	0.0054	6.7350	0.2927	0.3795	0.0087	0.53	2076	83	2077	39	2074	41
Phalabowa-54	195	286	3.0	5579	133843	0.1255	0.0037	6.6224	0.2709	0.3816	0.0102	0.66	2035	52	2062	36	2084	48
Phalabowa-55	228	333	3.1	5757	146929	0.1241	0.0051	6.5457	0.2997	0.3818	0.0081	0.47	2016	74	2052	40	2085	38
Phalabowa-56	187	273	3.0	4871	121311	0.1252	0.0037	6.5579	0.2639	0.3792	0.0103	0.68	2031	52	2054	36	2073	48
Phalabowa-57	228	313	3.2	5841	139978	0.1257	0.0030	6.5338	0.2246	0.3764	0.0100	0.77	2039	43	2050	30	2059	47
Phalabowa-58	225	326	3.2	5919	148470	0.1249	0.0043	6.5402	0.2219	0.3796	0.0078	0.61	2028	61	2051	30	2075	37
Phalabowa-59	150	241	2.7	4177	111421	0.1253	0.0052	6.6156	0.3195	0.3818	0.0117	0.64	2032	73	2061	43	2085	55
Phalabowa-60	141	220	2.7	4125	102893	0.1264	0.0046	6.6446	0.3011	0.3803	0.0106	0.61	2050	64	2065	40	2078	49

^a U and Pb concentrations and Th/U ratios are calculated relative to NIST 610 with laser fluence of 4 J/cm² and repetition of 4 Hz

^b Within-run background-corrected mean ²⁰⁷Pb and ²³⁸U signal in counts per second [cps]

^c Corrected for background and within-run Pb/U fractionation and normalized to reference zircon 91500; ²⁰⁷Pb/²³⁵U calculated using (²⁰⁷Pb/²⁰⁶Pb)/(²³⁸U/²⁰⁶Pb * 1/137.818)

^d Rho is the error correlation defined as the quotient of the propagated relative errors of the ²⁰⁶Pb/²³⁸U and the ²⁰⁷Pb/²³⁵U ratio