

APPENDIX 1  
Analytical U-Pb data for zircons from PZ-10, PZ-13, Z-13 and WB-115 boreholes

Spot	204Pb /206Pb ±%	207Pb /206Pb ±%	208Pb /206Pb ±%	206Pb /238U ±%	206Pb <sub>c</sub> /238U ±%	ppm U	ppm Th	4-corr ppm /206Pb <sup>a</sup>	4-corr ppm /208Pb <sup>b</sup>	232Th /238U ±%	(1) 206Pb /238U Age	(2) 206Pb /238U Age	(3) 206Pb /238U Age	(1) 207Pb /206Pb Age	(1) 208Pb /232Th Age	(2) 208Pb /232Th Age	(3) 207Pb /206Pb Age	Dis-corr-dant %	7corr 208Pb <sup>c</sup> /232Th ±%	(1) 238U /206Pb <sup>d</sup> ±%	(1) 207Pb <sup>e</sup> /235U ±%	(1) 206Pb <sup>f</sup> /238U ±%	err corr	(3) 238U /206Pb <sup>g</sup> ±%	(3) 207Pb <sup>h</sup> /206Pb <sup>i</sup> ±%	(3) 207Pb <sup>j</sup> /235U ±%	(3) 206Pb <sup>k</sup> /238U ±%	(3) 206Pb <sup>l</sup> /238U ±%	err. corr.	
10.23.1	-3.9E-4	22 0.05192	1.2 0.099	8.2 0.0967	2.6 0.034	561	183	22 2.5	2.5	0.34 8.10	281 ±8	279 ±8	280 ±8	515 ±52	301 ±36	261 ±31	398 ±147	+46	0.01301	11.9	22.42	2.7 0.0576	2.4 0.354	3.6 0.04461	2.7 0.8	22.50	2.9 0.0546	6.6 0.335	7.4 0.04445	2.9 0.47
10.38.2	4.4E-5	50 0.05268	1.4 0.119	8.2 0.0930	7.3 0.037	1048	371	41 4.8	4.8	0.37 7.44	285 ±29	285 ±29	285 ±31	287 ±36	290 ±44	290 ±44	251 ±206	+1	0.01443	15.4	22.13	10.4 0.0520	1.6 0.324	10.5 0.04518	10.4 1.0	22.15	11.1 0.0512	9.0 0.319	12.7 0.04514	11.1 0.72
10.37.2	4.1E-4	39 0.05247	3.8 0.170	2.1 0.0920	2.4 0.075	183	96	7 1.1	1.1	0.54 1.32	286 ±6	288 ±6	288 ±6	18.0 ±162	263 ±13	288 ±13	290 ±99	-1518	0.01433	4.4	22.05	2.1 0.0464	6.7 0.290	7.0 0.04535	2.1 0.3	21.90	2.2 0.0521	4.3 0.328	4.8 0.04567	2.2 0.42
10.39.2	2.3E-4	45 0.05319	1.8 0.263	10.2 0.0769	2.3 0.42	343	268	13 3.5	3.5	0.81 7.91	287 ±3	287 ±3	287 ±3	286 ±6	295 ±38	287 ±3	295 ±38	-54	0.01470	13.0	22.00	1.2 0.0498	3.6 0.312	3.8 0.04545	1.2 0.3	22.02	2.3 0.0491	23.5 0.307	25.4 0.04541	2.3 0.86
10.43.1	-6.1E-5	39 0.05348	0.8 0.149	0.5 0.0901	3.1 --	1243	571	49 7.5	7.5	0.47 0.39	289 ±3	288 ±3	289 ±3	386 ±23	294 ±4	282 ±4	343 ±23	+26	0.01407	1.5	21.80	1.1 0.0544	1.0 0.344	1.5 0.04587	1.1 0.7	21.83	1.2 0.0533	1.0 0.337	1.4 0.04581	1.2 0.71
10.40.1	-3.7E-5	45 0.05257	0.7 0.123	0.5 0.1059	3.1 --	1256	524	50 6.2	6.2	0.43 0.46	290 ±4	289 ±4	291 ±4	333 ±19	266 ±4	261 ±4	513 ±19	+13	0.01299	1.6	21.76	1.3 0.0531	0.8 0.336	1.5 0.04595	1.3 0.8	21.64	1.3 0.0576	0.9 0.367	1.5 0.04621	1.3 0.82
10.39.1	-8.2E-5	40 0.05336	1.0 0.255	0.5 0.0906	2.2 --	925	728	37 9.6	9.6	0.81 0.23	291 ±2	290 ±2	290 ±2	394 ±29	294 ±3	287 ±3	337 ±30	+27	0.01430	1.1	21.69	0.8 0.0546	1.3 0.347	1.5 0.04611	0.8 0.5	21.72	0.9 0.0532	1.3 0.338	1.5 0.04603	0.9 0.49
-10.7.1	6.2E-5	33 0.05259	1.4 0.159	2.2 0.0885	3.8 0.11	1813	935	72 11.4	11.4	0.53 2.34	292 ±3	292 ±3	294 ±3	272 ±35	274 ±9	276 ±10	450 ±72	-8	0.01377	3.6	21.58	1.0 0.0517	1.5 0.330	1.8 0.04635	1.0 0.5	21.46	1.1 0.0559	3.2 0.359	3.6 0.04659	1.1 0.46
10.36.2	1.3E-3	27 0.05311	2.6 0.345	1.1 0.0916	2.3 2.46	130	133	5 1.6	1.6	1.06 0.24	293 ±3	300 ±3	299 ±3	-883 ±502	265 ±13	309 ±6	98.0 ±121	+136	0.01539	1.8	21.48	1.1 0.0329	17.4 0.211	17.4 0.04656	1.1 0.1	21.08	1.1 0.0480	5.1 0.314	5.4 0.04743	1.1 0.36
-10.8.1	1.3E-4	71 0.05243	2.2 0.175	1.2 0.0814	2.2 0.24	204	106	8 1.4	1.4	0.54 0.61	294 ±3	294 ±3	293 ±4	217 ±83	297 ±8	305 ±8	180 ±60	-36	0.01518	2.5	21.46	1.2 0.0505	3.6 0.324	3.8 0.04659	1.2 0.3	21.49	1.3 0.0497	2.6 0.319	2.8 0.04654	1.3 0.40
10.21.1	4.3E-4	30 0.05348	1.6 0.217	0.9 0.0951	1.7 0.79	297	196	12 2.4	2.4	0.68 0.11	294 ±2	296 ±2	296 ±3	55.8 ±108	278 ±8	296 ±5	294 ±43	-436	0.01475	1.6	21.43	0.8 0.0471	4.5 0.303	4.6 0.04667	0.8 0.2	21.29	0.9 0.0522	1.9 0.338	2.0 0.04697	0.9 0.39
-10.4.1	-1.7E-4	35 0.05480	1.2 0.190	0.7 0.0892	3.8 --	575	335	23 4.6	4.6	0.60 1.18	295 ±3	293 ±3	294 ±3	503 ±42	295 ±3	285 ±5	387 ±48	+42	0.01422	1.9	21.34	1.0 0.0573	1.9 0.370	2.1 0.0544	1.0 0.5	21.42	1.1 0.0544	2.1 0.350	2.4 0.04669	1.1 0.47
10.22.1	3.0E-5	49 0.05276	0.7 0.111	0.5 0.0949	1.6 0.05	1642	552	66 7.4	7.4	0.35 0.06	297 ±2	297 ±2	296 ±2	299 ±19	299 ±3	298 ±4	286 ±17	+1	0.01486	1.2	21.24	0.7 0.0523	0.8 0.340	1.1 0.04708	0.7 0.7	21.25	0.8 0.0520	0.8 0.338	1.0 0.04707	0.8 0.67
-10.1.1	8.5E-6	212 0.05213	1.7 0.200	1.7 0.0967	2.0 0.02	283	173	11 2.3	2.3	0.63 0.63	297 ±3	297 ±3	296 ±3	285 ±40	300 ±6	301 ±7	248 ±54	-4	0.01498	2.4	21.24	1.0 0.0520	1.7 0.338	2.0 0.04709	1.0 0.5	21.26	1.1 0.0512	2.3 0.332	2.6 0.04704	1.1 0.42
10.28.1	-1.3E-4	30 0.05127	0.9 0.343	1.1 0.0976	2.0 --	925	974	37 13.1	13.1	1.09 0.73	297 ±2	297 ±2	296 ±2	336 ±32	302 ±5	300 ±5	217 ±111	+12	0.01496	1.5	21.20	0.6 0.0532	1.4 0.346	1.5 0.04716	0.6 0.4	21.28	0.8 0.0505	4.8 0.327	5.1 0.04700	0.8 0.49
10.12.1	-2.3E-4	28 0.05249	1.3 0.301	0.5 0.0915	2.6 --	611	568	25 7.7	7.7	0.96 0.07	298 ±2	297 ±2	297 ±2	449 ±47	305 ±4	296 ±3	314 ±41	+34	0.01475	1.0	21.13	0.7 0.0559	2.1 0.365	2.2 0.04732	0.7 0.3	21.22	0.8 0.0526	1.8 0.342	1.9 0.04713	0.8 0.40
10.37.1	2.9E-4	33 0.05301	1.5 0.168	0.9 0.0915	2.5 0.53	388	201	16 2.5	2.5	0.54 0.11	298 ±2	299 ±2	300 ±2	136 ±78	280 ±7	299 ±5	335 ±35	-122	0.01475	1.7	21.13	0.8 0.0488	3.3 0.318	3.4 0.04733	0.8 0.2	21.02	0.8 0.0531	1.6 0.349	1.7 0.04758	0.8 0.41
10.40.2	2.6E-5	71 0.05295	2.8 0.101	8.9 0.0961	3.0 0.05	860	269	35 3.5	3.5	0.32 7.36	298 ±12	298 ±12	298 ±13	310 ±65	294 ±36	292 ±37	334 ±154	+4	0.01455	12.9	21.12	4.2 0.0526	2.8 0.343	5.1 0.04734	4.2 0.8	21.11	4.4 0.0531	6.8 0.347	7.9 0.04738	4.4 0.51
10.42.1	9.3E-4	26 0.05441	2.1 0.248	1.0 0.0942	2.2 1.69	193	149	8 1.7	1.7	0.80 0.14	298 ±3	302 ±3	304 ±4	-312 ±241	258 ±12	294 ±6	427 ±54	+200	0.01466	1.9	21.13	1.2 0.0406	9.4 0.265	9.5 0.04734	1.2 0.1	20.74	1.3 0.0554	2.4 0.368	2.7 0.04821	1.3 0.42
-10.3.1	-3.7E-4	30 0.05239	1.6 0.438	3.5 0.1053	1.1 --	305	417	12 5.6	5.6	1.41 3.32	299 ±6	297 ±6	298 ±8	524 ±69	302 ±16	292 ±15	424 ±677	+44	0.01457	5.3	21.10	2.0 0.0578	3.2 0.378	3.7 0.04740	2.0 0.5	21.16	2.9 0.0553	30.3 0.360	32.0 0.04725	2.9 0.62
10.35.1	1.9E-4	30 0.05183	1.1 0.106	0.8 0.0958	1.4 0.34	671	212	27 2.7	2.7	0.33 1.00	299 ±2	300 ±2	299 ±2	151 ±48	287 ±8	312 ±6	225 ±32	-100	0.01555	2.0	21.08	0.7 0.0491	2.1 0.321	2.2 0.04744	0.7 0.3	21.04	0.7 0.0507	1.4 0.332	1.6 0.04753	0.7 0.46
-10.9.2	1.8E-4	29 0.05279	1.0 0.069	0.9 0.0932	2.1 0.33	766	164	31 2.0	2.0	0.22 0.43	299 ±2	300 ±2	300 ±2	201 ±44	269 ±9	294 ±7	326 ±24	-50	0.01463	2.4	21.05	0.6 0.0501	1.9 0.328	2.0 0.04751	0.6 0.3	20.97	0.7 0.0529	1.1 0.348	1.2 0.04768	0.7 0.50
10.42.2	-4.1E-4	41 0.05375	2.2 0.299	1.0 0.0931	1.5 --	178	158	7 2.3	2.3	0.92 1.42	299 ±4	297 ±4	295 ±5	593 ±98	325 ±10	305 ±7	124 ±119	+51	0.01522	2.4	21.03	1.4 0.0597	4.5 0.391	4.7 0.04755	1.4 0.3	21.33	1.6 0.0485	5.0 0.314	5.5 0.04689	1.6 0.40
10.38.1	7.1E-5	41 0.05279	0.9 0.104	1.2 0.0907	2.7 0.13	966	307	40 4.1	4.1	0.33 0.20	300 ±3	300 ±3	300 ±3	274 ±29	296 ±6	301 ±6	297 ±26	-10	0.01498	2.1	21.01	1.1 0.0517	1.2 0.340	1.7 0.04761	1.1 0.7	20.99	1.2 0.0523	1.1 0.343	1.5 0.04764	1.2 0.66
10.11.1	-5.3E-5	51 0.05349	1.1 0.109	0.8 0.0978	2.2 0.7	791	260	32 3.2	3.2	0.34 0.34	299 ±4	299 ±3	298 ±6	382 ±29	312 ±5	298 ±6	306 ±27	+22	0.01486	2.0	21.00	1.2 0.0543	1.3 0.356	1.7 0.04762	1.2 0.7	21.04	1.2 0.0525	1.2 0.344	1.6 0.04752	1.2 0.67
10.36.3	----	----	0.5227	2.4 0.384	1.0 0.0898	1.8 --	161	186	7 2.6	1.19 0.14	300 ±2	300 ±2	299 ±2	297 ±55	309 ±4	309 ±4	69.9 ±143	-1	0.01539	1.4	20.97	0.6 0.0523	2.4 0.344	2.5 0.04769	0.6 0.2	21.10	0.8 0.0474	6.0 0.310	6.3 0.04740	0.8 0.39
10.14.1	1.5E-4	32 0.05298	1.0 0.110	1.2 0.0942	1.9 0.27	763	255	31 3.3	3.3	0.35 1.22	300 ±2	301 ±2	301 ±2	231 ±41	289 ±7	300 ±7	305 ±34	-31	0.01497	2.3	20.97	0.7 0.0508	1.8 0.334	1.9 0.04769	0.7 0.4	20.92	0.8 0.0524	1.5 0.346	1.7 0.04779	0.8 0.46
10.15.1	-2.5E-5	55 0.05188	0.7 0.120	0.5 0.1024	1.3 --	1323	488	54 6.6	6.6	0.38 0.61	301 ±6	301 ±6	301 ±7	296 ±19	304 ±7	305 ±7	277 ±24	-2	0.01519	2.4	20.90	2.1 0.0522	0.8 0.345	2.3 0.04784	2.1 0.9	20.92	2.3 0.0518	1.0 0.342	1.3 0.04781	2.3 0.90
10.19.1	9.5E-5	38 0.05298	1.0 0.128	1.5 0.0987	1.1 0.17	816	319	34 4.2	4.2	0.40 1.28	302 ±2	302 ±2	302 ±2	267 ±33	296 ±7	301 ±7	310 ±37	-13	0.01500	2.4	20.87	0.7 0.0516	1.4 0.341	1.6 0.04793	0.7 0.5	20.84	0.8 0.0526	1.6 0.348	1.8 0.04798	0.8 0.44
10.27.1	3.6E-4	22 0.05209	1.1 0.090	0.8 0.0935	2.4 0.66	678	184	28 2.2	2.2	0.28 0.79	302 ±2	304 ±2	304 ±2	36.7 ±66	263 ±11	313 ±6	258 ±28	-740	0.01561	2.1	20.85	0.6 0.0468	2.8 0.309	2.8 0.04796	0.6 0.2	20.73	0.6 0.0514	1.2 0.342	1.4 0.04824	0.6 0.43
10.44.1	9.5E-5	41 0.05344	1.1 0.068	1.0 0.0946	1.6 0.17	763	156	31 2.0	2.0	0.21 0.74	302 ±4	302 ±4	302 ±4	287 ±35	293 ±8	297 ±9	322 ±27	-5	0.01481	2.9	20.84	1.3 0.0520	1.5 0.344	2.0 0.04797	1.3 0.7	20.82	1.4 0.0528	1.2 0.350	1.7 0.04802	1.4 0.73
10.13.1	9.7E-5	35 0.05185	1.5 0.140	1.0 0.0984	2.4 0.18	883	386	36 5.0	5.0	0.45 0.21	302 ±4	303 ±4	303 ±4	215 ±42	291 ±5	302 ±6	313 ±36	-42	0.01505	2.1	20.82	1.2 0.0504								

Spot	204Pb /206Pb	±%	207Pb /206Pb	±%	208Pb /206Pb	±%	206Pb /238U	±%	206Pb <sub>c</sub>	ppm U	ppm Th	4-corr ppm 206Pb <sup>*</sup>	4-corr ppm 208Pb <sup>*</sup>	232Th /238U	±%	(1) 206Pb /238U Age	(2) 206Pb /238U Age	(3) 206Pb /238U Age	(1) 207Pb /206Pb Age	(1) 208Pb /232Th Age	(2) 208Pb /232Th Age	(3) 207Pb /206Pb Age	% Dis- cor- dant	7corr 208Pb <sup>*</sup> /232Th	±%	(1) 238U /206Pb <sup>*</sup>	±%	(1) 207Pb <sup>*</sup> /206Pb <sup>*</sup>	±%	(1) 207Pb <sup>*</sup> /235U	±%	(1) 206Pb <sup>*</sup> /238U	±%	err corr	(3) 238U /206Pb <sup>*</sup>	±%	(3) 207Pb <sup>*</sup> /206Pb <sup>*</sup>	±%	(3) 207Pb <sup>*</sup> /235U	±%	(3) 206Pb <sup>*</sup> /238U	±%	err. corr.
13.16.1	1.1E-4	38	0.06221	1.0	0.175	0.61	0.0698	4.0	0.20	918	529	33	5.7	0.596	0.84	267 ±3	264 ±3	269 ±4	625 ±31	243 ±5	210 ±4	853 ±29	+58	0.01042	2.0	23.68	1.3	0.0606	1.4	0.353	1.9	0.04223	1.3	0.7	23.48	1.4	0.06748	1.4	0.3963	1.9	0.04260	1.4	0.7
13.15.1	-2.5E-5	90	0.05348	2.2	0.313	0.54	0.0936	1.3	--	564	557	22	6.9	1.020	0.52	283 ±3	282 ±3	284 ±4	365 ±52	277 ±4	273 ±5	482 ±63	+23	0.01360	1.8	22.27	1.2	0.0538	2.3	0.333	2.6	0.04490	1.2	0.5	22.19	1.5	0.05676	2.8	0.3527	3.2	0.04507	1.5	0.4
13.12.1	1.5E-4	32	0.05331	1.0	0.122	0.70	0.0728	4.1	0.28	1102	405	43	5.0	0.379	0.08	286 ±4	286 ±4	286 ±4	244 ±40	279 ±6	285 ±5	296 ±26	-18	0.01420	1.9	22.05	1.3	0.0511	1.8	0.319	2.2	0.04536	1.3	0.6	22.01	1.3	0.05223	1.1	0.3272	1.6	0.04543	1.3	0.7
13.23.1	3.9E-5	100	0.05474	2.7	0.114	1.19	0.0516	3.2	0.07	778	272	31	3.5	0.361	0.46	289 ±3	288 ±3	289 ±3	378 ±65	287 ±6	273 ±11	389 ±61	+24	0.01361	3.9	21.83	0.9	0.0542	2.9	0.342	3.0	0.04581	0.9	0.3	21.82	1.0	0.05444	2.7	0.3439	2.9	0.04582	1.0	0.3
13.35.1	2.0E-3	21	0.05499	2.5	0.252	1.23	0.0855	3.0	3.60	146	114	6	1.1	0.811	0.16	289 ±3	298 ±2	300 ±2	#####	209 ±19	289 ±6	449 ±64	####	0.01439	2.0	21.82	1.0	0.0251	27.0	0.159	27.1	0.04583	1.0	0.0	21.01	0.7	0.05590	2.9	0.3669	3.1	0.04760	0.7	0.3
-13.3.1	5.5E-5	95	0.05382	1.9	0.133	1.97	0.0902	0.7	0.10	251	96	10	1.3	0.396	2.50	291 ±2	290 ±2	290 ±2	330 ±54	306 ±11	301 ±12	207 ±75	+12	0.01500	3.9	21.67	0.7	0.0530	2.4	0.337	2.5	0.04614	0.7	0.3	21.75	0.8	0.05026	3.2	0.3186	3.5	0.04598	0.8	0.4
13.34.1	3.8E-5	71	0.05343	1.2	0.160	0.70	0.0798	2.9	0.07	744	360	29	4.7	0.499	0.54	291 ±2	291 ±2	291 ±2	323 ±32	293 ±4	290 ±4	299 ±32	+10	0.01444	1.5	21.66	0.7	0.0529	1.4	0.337	1.5	0.04616	0.7	0.4	21.68	0.7	0.05231	1.4	0.3328	1.5	0.04613	0.7	0.4
13.33.1	1.3E-4	41	0.05249	1.2	0.114	0.85	0.0895	2.0	0.23	541	193	21	2.4	0.368	0.30	291 ±3	292 ±3	292 ±3	223 ±46	276 ±6	286 ±6	333 ±29	-32	0.01426	2.0	21.62	1.0	0.0506	2.0	0.323	2.2	0.04626	1.0	0.4	21.55	1.0	0.05309	1.3	0.3396	1.6	0.04640	1.0	0.6
13.34.2	-8.2E-5	64	0.05400	2.7	0.168	3.21	0.0845	2.8	--	433	212	17	3.0	0.505	2.73	294 ±8	292 ±8	292 ±9	420 ±67	316 ±16	302 ±17	195 ±117	+31	0.01505	5.6	21.47	2.8	0.0552	3.0	0.354	4.1	0.04658	2.8	0.7	21.61	3.1	0.05000	5.0	0.3191	5.7	0.04628	3.1	0.5
13.25.1	2.6E-5	47	0.05316	0.6	0.123	0.77	0.0917	2.2	0.05	1969	798	79	9.7	0.418	0.31	294 ±2	293 ±2	295 ±3	319 ±16	272 ±3	269 ±4	480 ±18	+8	0.01339	1.4	21.46	0.9	0.0528	0.7	0.339	1.1	0.04661	0.9	0.8	21.35	0.9	0.05670	0.8	0.3662	1.1	0.04684	0.9	0.7
13.17.1	2.9E-4	24	0.05369	1.1	0.088	0.85	0.0921	1.3	0.53	723	194	29	2.3	0.277	0.41	294 ±6	295 ±6	295 ±6	167 ±56	262 ±11	287 ±8	339 ±28	-78	0.01428	2.8	21.43	2.0	0.0494	2.4	0.318	3.1	0.04667	2.0	0.6	21.33	2.1	0.05323	1.2	0.3442	2.2	0.04689	2.1	0.8
13.22.2	2.0E-5	69	0.05267	0.8	0.119	1.07	0.0873	2.9	0.04	1268	476	51	6.1	0.388	1.39	294 ±3	294 ±3	295 ±3	302 ±20	286 ±6	285 ±6	359 ±35	+3	0.01420	2.2	21.43	1.0	0.0524	0.9	0.337	1.3	0.04667	1.0	0.7	21.39	1.1	0.05372	1.6	0.3463	1.9	0.04675	1.1	0.5
-13.2.1	-1.4E-4	42	0.05297	1.3	0.153	3.11	0.0815	5.0	--	496	236	20	3.2	0.491	1.02	294 ±11	293 ±11	294 ±12	415 ±45	303 ±16	289 ±15	337 ±74	+30	0.01438	5.2	21.41	3.8	0.0551	2.0	0.355	4.3	0.04671	3.8	0.9	21.46	4.1	0.05320	3.3	0.3418	4.3	0.04660	4.1	0.7
13.16.2	-1.4E-4	38	0.05255	1.2	0.127	0.84	0.0877	2.0	--	602	238	24	3.2	0.408	0.26	295 ±4	294 ±4	294 ±5	398 ±42	304 ±7	295 ±4	326 ±32	+27	0.01442	2.2	21.39	1.5	0.0547	1.9	0.352	2.4	0.04675	1.5	0.6	21.44	1.6	0.05295	1.4	0.3406	2.0	0.04665	1.6	0.7
13.13.1	4.2E-5	57	0.05263	1.0	0.088	1.82	0.0903	2.6	0.08	890	243	36	3.1	0.281	0.93	295 ±3	295 ±3	295 ±3	286 ±27	287 ±7	288 ±8	327 ±29	-3	0.01437	2.7	21.38	0.9	0.0520	1.2	0.335	1.5	0.04676	0.9	0.6	21.36	1.0	0.05296	1.3	0.3419	1.5	0.04682	1.0	0.5
13.27.1	-2.3E-5	52	0.05238	0.7	0.220	2.94	0.0944	2.9	--	1727	1165	69	15.5	0.697	4.43	295 ±3	295 ±3	295 ±4	317 ±17	298 ±16	297 ±16	272 ±192	+7	0.01478	5.4	21.35	1.0	0.0527	0.7	0.341	1.3	0.04684	1.0	0.8	21.38	1.3	0.05170	8.4	0.3335	9.1	0.04678	1.3	0.6
-13.1.1	3.0E-5	56	0.05296	0.8	0.111	0.57	0.0914	2.3	0.05	1271	429	51	5.7	0.349	0.50	295 ±2	295 ±2	295 ±3	308 ±21	297 ±4	295 ±4	293 ±22	+4	0.01472	1.5	21.35	0.8	0.0525	0.9	0.339	1.2	0.04684	0.8	0.7	21.36	0.9	0.05217	1.0	0.3368	1.2	0.04682	0.9	0.6
13.31.1	-3.9E-5	60	0.05384	1.0	0.120	0.67	0.0907	2.6	--	882	330	35	4.4	0.386	0.17	295 ±2	294 ±2	295 ±2	388 ±26	296 ±4	282 ±4	382 ±23	+24	0.01406	1.5	21.34	0.7	0.0544	1.2	0.351	1.3	0.04685	0.7	0.5	21.35	0.7	0.05425	1.0	0.3504	1.2	0.04685	0.7	0.5
-13.4.1	-7.8E-5	35	0.05250	0.8	0.105	2.90	0.0924	2.3	--	1228	408	49	5.4	0.343	1.71	295 ±2	295 ±2	295 ±2	356 ±25	295 ±11	285 ±10	358 ±37	+17	0.01420	3.6	21.33	0.7	0.0536	1.1	0.347	1.3	0.04689	0.7	0.6	21.33	0.8	0.05368	1.7	0.3471	1.9	0.04689	0.8	0.5
13.10.1	3.2E-4	33	0.05133	1.6	0.228	0.79	0.0947	1.1	0.58	358	256	14	3.2	0.738	1.05	296 ±3	298 ±3	298 ±3	30.2 ±90	277 ±7	296 ±6	323 ±60	-900	0.01475	1.9	21.30	1.1	0.0466	3.8	0.302	3.9	0.04695	1.1	0.3	21.14	1.2	0.05287	2.6	0.3449	2.9	0.04731	1.2	0.4
-13.6.1	2.9E-4	32	0.05301	1.5	0.156	0.89	0.0895	1.8	0.54	409	194	17	2.4	0.489	0.89	296 ±2	297 ±2	297 ±3	132 ±78	281 ±8	299 ±6	278 ±44	-126	0.01491	2.0	21.29	0.9	0.0487	3.3	0.315	3.4	0.04697	0.9	0.3	21.21	0.9	0.05184	1.9	0.3370	2.1	0.04715	0.9	0.4
-13.5.1	-5.7E-5	34	0.05267	0.7	0.151	0.41	0.0916	2.3	--	1809	837	73	11.3	0.478	0.35	296 ±2	296 ±2	296 ±2	350 ±19	302 ±3	296 ±3	297 ±19	+16	0.01474	1.1	21.26	0.7	0.0535	0.8	0.347	1.1	0.04705	0.7	0.7	21.29	0.8	0.05225	0.8	0.3384	1.1	0.04697	0.8	0.6
-13.9.1	-6.8E-4	24	0.05267	1.7	0.125	1.12	0.0875	1.2	--	334	134	14	2.0	0.414	0.40	297 ±3	293 ±3	294 ±3	693 ±86	341 ±15	280 ±7	396 ±38	+59	0.01393	2.4	21.23	1.0	0.0626	4.0	0.406	4.2	0.04711	1.0	0.2	21.44	1.0	0.05460	1.7	0.3511	1.9	0.04664	1.0	0.5
13.24.1	1.1E-4	27	0.05248	0.8	0.110	0.59	0.0913	2.0	0.21	1450	495	59	6.3	0.352	0.32	298 ±2	298 ±2	299 ±2	232 ±27	285 ±4	296 ±4	317 ±19	-29	0.01473	1.3	21.15	0.7	0.0508	1.2	0.331	1.3	0.04729	0.7	0.5	21.10	0.7	0.05273	0.8	0.3447	1.0	0.04740	0.7	0.6
13.21.1	4.3E-5	40	0.05247	0.7	0.124	0.46	0.0958	1.4	0.08	1684	644	69	8.5	0.395	0.32	298 ±2	299 ±2	299 ±2	278 ±19	295 ±3	298 ±3	303 ±18	-8	0.01485	1.1	21.10	0.6	0.0518	0.8	0.339	1.0	0.04738	0.6	0.6	21.09	0.6	0.05241	0.8	0.3426	1.0	0.04742	0.6	0.6
13.28.1	3.0E-4	50	0.05414	2.3	0.140	2.65	0.0958	0.9	0.55	155	65	6	0.8	0.435	1.81	299 ±3	300 ±3	300 ±3	180 ±120	284 ±16	299 ±12	311 ±70	-67	0.01490	4.1	21.05	1.0	0.0497	5.2	0.326	5.3	0.04751	1.0	0.2	20.97	1.1	0.05258	3.1	0.3457	3.3	0.04769	1.1	0.4
13.29.1	2.1E-5	75	0.05268	0.9	0.101	0.67	0.0937	1.4	0.04	954	292	39	3.9	0.317	0.08	301 ±2	301 ±2	301 ±2	301 ±23	302 ±3	301 ±5	295 ±22	+0	0.01503	1.6	20.95	0.7	0.0524	1.0	0.345	1.2	0.04773	0.7	0.5	20.96	0.7	0.05222	1.0	0.3436	1.1	0.04772	0.7	0.5
-13.6.2	-7.6E-4	28	0.05102	3.9	0.140	1.31	0.0862	1.6	--	211	91	9	1.5	0.445	0.51	301 ±3	298 ±3	297 ±3	673 ±125	359 ±18	305 ±12	230 ±91	+57	0.01522	4.0	20.91	1.1	0.0620	5.9	0.4													

Spot	204Pb /206Pb	±%	207Pb /206Pb	±%	208Pb /206Pb	±%	206Pb /238U	±%	206Pb <sub>c</sub> /206Pb	ppm U	ppm Th	4-corr ppm /206Pb	4-corr ppm /208Pb	232Th /238U	±%	(1) 206Pb /238U Age	(2) 206Pb /238U Age	(3) 206Pb /238U Age	(1) 207Pb /206Pb Age	(1) 208Pb /232Th Age	(2) 208Pb /232Th Age	(3) 207Pb /206Pb Age	dis-corr-dant	%	7corr 208Pb* /232Th	(1) 238U /206Pb*	±%	(1) 207Pb* /206Pb*	±%	(1) 207Pb* /235U	±%	(1) 206Pb* /238U	±%	err corr	(3) 238U /206Pb*	±%	(3) 207Pb* /206Pb*	±%	(3) 207Pb* /235U	±%	(3) 206Pb* /238U	±%	err. corr.
13.13.1	3.0E-3	33	0.0677	4.9	0.197	7.2	0.0697	7.7	5.57	33	15	1.0	0.1	0.48	0.34	222 ±19	230 ±19	229 ±21	#####	127 ±62	239 ±30	119 ±233	#####	0.01188	12.5	28.52	8.5	0.0216	77.3	0.104	77.7	0.0351	8.5	0.1	27.60	9.2	0.0484	9.9	0.242	11.2	0.0362	9.2	0.5
13.43.1	-3.5E-4	58	0.0558	4.7	0.256	1.4	0.0729	2.8	--	70	51	2.4	0.6	0.76	0.17	252 ±4	249 ±4	249 ±4	637 ±139	283 ±10	256 ±9	117 ±137	+62	0.01276	3.5	25.04	1.6	0.0609	6.5	0.336	6.7	0.0399	1.6	0.2	25.44	1.8	0.0484	5.8	0.262	6.1	0.0393	1.8	0.3
13.14.1	8.4E-5	100	0.0525	2.5	0.204	3.2	0.0663	1.6	0.15	186	114	6.9	1.4	0.63	2.18	273 ±7	273 ±7	272 ±8	255 ±81	274 ±14	276 ±14	228 ±120	-7	0.01374	5.0	23.16	2.7	0.0513	3.5	0.305	4.4	0.0432	2.7	0.6	23.17	3.1	0.0507	5.2	0.302	5.8	0.0432	3.1	0.5
13.32.1	1.3E-4	34	0.0512	3.5	0.078	7.1	0.0888	6.0	0.24	479	116	17.8	1.3	0.25	2.37	273 ±15	274 ±15	274 ±16	163 ±89	253 ±24	275 ±30	270 ±110	-69	0.01368	11.1	23.11	5.6	0.0493	3.8	0.294	6.8	0.0433	5.6	0.8	23.04	5.9	0.0517	4.8	0.309	6.7	0.0434	5.9	0.7
-13.9.1	1.0E-3	26	0.0536	2.3	0.284	1.1	0.0837	3.1	1.85	137	122	5.2	1.3	0.92	0.15	279 ±4	284 ±4	285 ±5	-451 ±290	241 ±11	275 ±6	455 ±67	+166	0.01370	2.2	22.57	1.6	0.0385	11.0	0.235	11.1	0.0443	1.6	0.1	22.08	1.8	0.0561	3.0	0.350	3.4	0.0453	1.8	0.5
13.40.1	4.4E-5	87	0.0520	1.6	0.282	1.8	0.0833	2.9	0.08	223	189	8.5	2.4	0.87	1.08	280 ±5	281 ±5	280 ±6	255 ±45	287 ±8	288 ±8	129 ±112	-10	0.01436	2.9	22.49	1.9	0.0513	1.9	0.315	2.7	0.0445	1.9	0.7	22.56	2.3	0.0486	4.8	0.297	5.3	0.0443	2.3	0.4
13.20.1	1.7E-3	20	0.0687	9.0	0.185	9.0	0.0832	2.1	3.15	139	63	5.4	0.7	0.47	0.93	283 ±3	286 ±4	286 ±4	-161 ±478	237 ±34	282 ±41	323 ±265	+282	0.01404	14.8	22.30	1.2	0.0431	19.2	0.267	19.2	0.0448	1.2	0.1	22.03	1.4	0.0529	11.7	0.331	12.4	0.0454	1.4	0.5
-13.6.1	4.3E-5	173	0.0530	3.1	0.202	1.6	0.0875	2.0	0.08	76	46	2.9	0.6	0.63	0.34	283 ±3	283 ±3	283 ±3	299 ±87	287 ±7	286 ±8	243 ±79	+6	0.01424	3.0	22.28	1.1	0.0523	3.8	0.324	4.0	0.0449	1.1	0.3	22.32	1.2	0.0511	3.4	0.315	3.7	0.0448	1.2	0.3
-13.1.2	-1.7E-4	35	0.0519	1.3	0.265	3.5	0.0864	2.4	--	447	359	17.2	4.7	0.83	1.77	283 ±7	283 ±7	282 ±8	389 ±46	294 ±14	287 ±13	207 ±164	+28	0.01429	4.7	22.24	2.5	0.0544	2.0	0.337	3.2	0.0450	2.5	0.8	22.36	3.0	0.0503	7.1	0.310	7.9	0.0447	3.0	0.4
13.38.1	-1.3E-4	28	0.0522	0.8	0.197	2.5	0.0835	2.6	--	764	470	29.7	6.0	0.64	2.50	286 ±4	285 ±4	285 ±5	373 ±28	288 ±11	280 ±11	345 ±98	+24	0.01397	3.9	22.07	1.5	0.0540	1.2	0.338	1.9	0.0453	1.5	0.8	22.08	1.7	0.0534	4.3	0.333	4.9	0.0453	1.7	0.5
-13.3.1	1.1E-4	44	0.0516	1.2	0.254	1.0	0.0851	2.3	0.19	487	383	19.0	4.8	0.81	1.11	286 ±2	287 ±2	287 ±2	199 ±44	281 ±5	286 ±5	292 ±68	-45	0.01427	1.7	22.04	0.6	0.0501	1.9	0.313	2.0	0.0454	0.6	0.3	21.99	0.7	0.0522	3.0	0.327	3.2	0.0455	0.7	0.4
13.29.1	1.7E-4	26	0.0528	0.9	0.170	0.5	0.0901	1.5	0.31	714	368	27.9	4.6	0.53	0.24	287 ±3	288 ±3	289 ±4	211 ±37	281 ±4	289 ±4	274 ±24	-37	0.01440	1.3	21.96	0.9	0.0503	1.6	0.316	1.8	0.0455	0.9	0.5	21.93	1.0	0.0517	1.1	0.325	1.3	0.0456	1.0	0.6
13.19.1	2.5E-4	32	0.0521	2.2	0.222	1.2	0.0875	1.8	0.45	379	257	14.8	3.2	0.70	0.94	287 ±3	288 ±3	288 ±4	119 ±80	279 ±7	291 ±7	253 ±70	-144	0.01450	2.3	21.95	1.2	0.0484	3.4	0.304	3.6	0.0456	1.2	0.3	21.87	1.3	0.0513	3.1	0.323	3.3	0.0457	1.3	0.4
13.22.1	-1.7E-4	58	0.0519	2.0	0.159	1.2	0.0810	1.7	--	201	96	7.9	1.3	0.49	2.15	288 ±6	287 ±6	287 ±7	387 ±73	307 ±12	295 ±11	207 ±82	+26	0.01472	3.8	21.88	2.3	0.0544	3.3	0.343	4.0	0.0457	2.3	0.6	21.99	2.5	0.0503	3.5	0.315	4.2	0.0455	2.5	0.6
13.27.1	-4.1E-4	28	0.0526	1.5	0.159	2.8	0.0842	3.1	--	285	139	11.2	2.0	0.50	2.15	288 ±2	286 ±2	286 ±3	549 ±67	315 ±14	285 ±11	300 ±72	+49	0.01419	3.9	21.85	0.9	0.0585	3.1	0.369	3.2	0.0458	0.9	0.3	22.02	1.0	0.0523	3.2	0.328	3.5	0.0454	1.0	0.5
13.39.1	-3.6E-4	30	0.0524	1.6	0.212	12.6	0.0826	2.9	--	219	136	8.7	2.0	0.64	1.2	290 ±4	288 ±4	286 ±7	513 ±67	321 ±55	301 ±52	102 ±539	+44	0.01500	17.3	21.76	1.3	0.0575	3.1	0.365	3.3	0.0460	1.3	0.4	22.02	2.4	0.0481	22.8	0.301	24.8	0.0454	2.4	0.9
-13.5.1	7.4E-5	58	0.0523	1.3	0.140	1.6	0.0887	1.4	0.13	391	167	15.5	2.1	0.44	0.63	290 ±2	290 ±2	290 ±2	250 ±42	287 ±6	292 ±6	273 ±35	-16	0.01457	2.2	21.73	0.5	0.0512	1.8	0.325	1.9	0.0460	0.5	0.3	21.72	0.6	0.0517	1.5	0.328	1.7	0.0460	0.6	0.4
-13.1.1	-3.0E-4	23	0.0526	1.1	0.196	2.5	0.0844	3.2	--	561	336	22.2	4.6	0.62	2.06	290 ±6	289 ±6	288 ±7	488 ±45	308 ±12	289 ±11	279 ±90	+41	0.01442	3.9	21.72	2.1	0.0569	2.0	0.361	2.9	0.0460	2.1	0.7	21.85	2.3	0.0518	3.9	0.327	4.5	0.0458	2.3	0.5
-13.4.1	5.1E-5	67	0.0531	1.3	0.192	0.7	0.0907	2.0	0.09	427	249	16.9	3.2	0.60	0.16	291 ±2	290 ±2	290 ±2	299 ±36	292 ±3	291 ±4	286 ±31	+3	0.01449	1.3	21.69	0.5	0.0523	1.6	0.333	1.7	0.0461	0.5	0.3	21.70	0.6	0.0520	1.4	0.330	1.5	0.0461	0.6	0.4
13.45.1	-1.1E-4	50	0.0530	1.4	0.166	0.8	0.0845	2.3	--	273	133	10.8	1.9	0.50	0.49	291 ±2	290 ±2	289 ±2	397 ±45	312 ±5	300 ±5	186 ±40	+27	0.01494	1.7	21.68	0.8	0.0546	2.0	0.347	2.2	0.0461	0.8	0.4	21.81	0.9	0.0498	1.7	0.315	1.9	0.0458	0.9	0.4
13.30.1	-6.5E-5	56	0.0508	1.2	0.244	0.6	0.0912	1.6	--	366	272	14.5	3.6	0.77	0.29	291 ±5	291 ±5	290 ±5	277 ±36	298 ±6	299 ±6	167 ±41	-5	0.01490	1.9	21.64	1.6	0.0518	1.6	0.330	2.3	0.0462	1.6	0.7	21.71	1.9	0.0494	1.7	0.314	2.3	0.0461	1.9	0.7
13.21.1	1.5E-3	35	0.0546	3.8	0.228	1.9	0.0890	1.8	2.81	49	34	1.9	0.3	0.71	0.24	291 ±4	299 ±2	299 ±2	-1009 ±817	228 ±28	298 ±9	312 ±96	+132	0.01485	3.2	21.62	1.3	0.0315	27.5	0.201	27.5	0.0462	1.3	0.0	21.07	0.9	0.0526	4.2	0.344	4.4	0.0475	0.9	0.3
13.15.1	1.7E-4	58	0.0541	3.3	0.128	1.3	0.0896	1.8	0.31	164	64	6.5	0.8	0.41	0.66	292 ±3	292 ±3	293 ±3	265 ±102	277 ±10	281 ±12	378 ±74	-10	0.01400	4.1	21.58	0.9	0.0515	4.4	0.329	4.5	0.0463	0.9	0.2	21.51	0.9	0.0542	3.3	0.347	3.4	0.0465	0.9	0.3
13.12.1	---	---	0.0508	2.3	0.151	1.4	0.0894	1.7	0.00	136	63	5.4	0.8	0.48	0.46	292 ±2	293 ±2	292 ±2	231 ±52	296 ±5	303 ±7	195 ±55	-27	0.01510	2.5	21.56	0.6	0.0508	2.3	0.325	2.3	0.0464	0.6	0.3	21.58	0.7	0.0500	2.4	0.319	2.5	0.0463	0.7	0.3
13.17.1	-1.2E-4	51	0.0514	1.5	0.214	0.8	0.0940	0.9	--	303	196	12.1	2.7	0.67	0.42	293 ±4	292 ±4	292 ±4	333 ±50	304 ±6	300 ±5	179 ±45	+12	0.01498	1.8	21.52	1.2	0.0531	2.2	0.340	2.5	0.0465	1.2	0.5	21.62	1.4	0.0497	1.9	0.317	2.2	0.0463	1.4	0.5
13.23.1	-1.5E-4	34	0.0524	1.1	0.157	4.4	0.0893	5.0	--	574	269	22.9	3.7	0.48	0.54	293 ±4	292 ±4	292 ±5	393 ±38	312 ±15	300 ±14	213 ±52	+26	0.01497	4.7	21.51	1.5	0.0545	1.7	0.350	2.2	0.0465	1.5	0.7	21.62	1.6	0.0504	2.2	0.321	2.4	0.0463	1.6	0.4
13.36.1	1.9E-4	21	0.0523	0.8	0.090	1.1	0.0891	1.5	0.34	874	245	35.0	2.9	0.29	0.85	294 ±4	294 ±4	295 ±5	173 ±33	269 ±7	291 ±7	311 ±26	-71	0.01452	2.4	21.47	1.5	0.0495	1.4	0.318	2.1	0.0466	1.5	0.7	21.39	1.6	0.0526	1.1	0.339	1.8	0.0468	1.6	0.8
13.34.1	-9.2E-5	50	0.0532	1.3	0.189	1.8	0.0827	2.3	--	343	199	13.8	2.7	0.60	2.10	294 ±9	293 ±9	293 ±10	392 ±39	300 ±13	290 ±13	326 ±88	+25	0.01447	4.4	21.43	3.3	0.0545	1.7	0.351	3.7	0.0467	3.3	0.9	21.47	3.6	0.0529	3.9	0.340	4.9	0.0466	3.6	0.6
13.41.1	1.7E-4	41	0.0527	1.4	0.491	0.5																																					

Spot	204Pb /206Pb	%	207Pb /206Pb	%	208Pb /206Pb	%	206Pb /238U	%	206Pb <sub>c</sub>	ppm U	ppm Th	4-corr ppm 206Pb*	4-corr ppm 208Pb*	232Th /238U	%	(1) 206Pb /238U Age	(2) 206Pb /238U Age	(3) 206Pb /238U Age	(1) 207Pb /206Pb Age	(1) 208Pb /232Th Age	(2) 208Pb /232Th Age	(3) 207Pb /206Pb Age	% Dis- cor- dant	7corr 208Pb <sup>+</sup> /232Th	%	(1) 238U /206Pb <sup>+</sup>	%	(1) 207Pb <sup>+</sup> /206Pb <sup>+</sup>	%	(1) 207Pb <sup>+</sup> /235U	%	(1) 206Pb <sup>+</sup> /238U	%	err corr	(3) 238U /206Pb <sup>+</sup>	%	(3) 207Pb <sup>+</sup> /206Pb <sup>+</sup>	%	(3) 207Pb <sup>+</sup> /235U	%	(3) 206Pb <sup>+</sup> /238U	%	err. corr.
16.27.1	1.3E-4	46	0.0535	1.5	0.142	0.9	0.0705	6.8	0.23	294	122	10.9	1.5	0.43	0.70	272 ±6	272 ±6	272 ±7	267 ±52	277 ±8	278 ±8	221 ±45	-2	0.01383	3.0	23.21	2.3	0.0516	2.3	0.306	3.3	0.0431	2.3	0.7	23.24	2.5	0.0506	1.9	0.300	2.9	0.0430	2.5	0.8
16.20.1	1.6E-4	38	0.0542	2.9	0.258	31.4	0.0838	3.9	0.29	273	210	10.4	2.7	0.79	34	281 ±7	281 ±7	281 ±7	276 ±81	284 ±130	284 ±130	225 ±1942	-2	0.01416	46.1	22.45	2.6	0.0518	3.5	0.318	4.4	0.0445	2.6	0.6	22.48	7.1	0.0506	84.0	0.311	90.6	0.0445	7.1	0.9
16.14.1	-3.5E-4	32	0.0530	1.6	0.126	1.2	0.0894	1.2	--	182	73	7.1	1.0	0.41	2.13	287 ±4	285 ±4	286 ±4	275 ±69	308 ±13	273 ±9	382 ±59	+47	0.01358	3.3	21.97	1.4	0.0581	3.2	0.365	3.4	0.0455	1.4	0.4	22.07	1.5	0.0543	2.6	0.339	3.0	0.0453	1.5	0.5
16.45.1	2.1E-5	71	0.0520	0.9	0.153	3.9	0.0844	3.4	0.04	665	330	26.0	4.0	0.51	3.53	287 ±4	287 ±5	288 ±5	273 ±22	272 ±15	273 ±15	424 ±100	-5	0.01362	5.5	21.95	1.6	0.0517	1.0	0.325	1.9	0.0456	1.6	0.9	21.85	1.8	0.0553	4.5	0.349	5.0	0.0458	1.8	0.5
16.33.1	3.0E-4	38	0.0538	1.7	0.146	1.1	0.0917	1.6	0.55	146	65	5.7	0.8	0.46	0.57	288 ±3	289 ±3	289 ±3	166 ±91	271 ±10	285 ±7	324 ±44	-75	0.01419	2.3	21.90	1.0	0.0494	3.9	0.311	4.0	0.0457	1.0	0.3	21.80	1.1	0.0529	1.9	0.335	2.1	0.0459	1.1	0.5
16.32.1	-5.0E-5	73	0.0514	1.4	0.240	0.7	0.0899	2.7	--	252	184	9.9	2.4	0.76	1.00	288 ±5	288 ±5	287 ±6	290 ±39	294 ±7	293 ±7	199 ±63	+1	0.01463	2.3	21.88	1.8	0.0521	1.7	0.328	2.5	0.0457	1.8	0.7	21.94	2.1	0.0501	2.7	0.315	3.2	0.0456	2.1	0.6
116.8.1	5.0E-4	22	0.0525	1.3	0.159	0.8	0.0912	2.1	0.91	279	136	11.0	1.6	0.50	0.54	289 ±4	291 ±5	291 ±5	-48 ±95	259 ±9	292 ±6	286 ±37	+712	0.01453	2.2	21.84	1.6	0.0451	3.9	0.285	4.2	0.0458	1.6	0.4	21.66	1.7	0.0520	1.6	0.331	2.2	0.0462	1.7	0.7
16.11.1	1.5E-4	30	0.0528	2.1	0.122	3.3	0.0865	2.2	0.27	532	198	21.2	2.5	0.39	1.89	292 ±8	293 ±8	293 ±8	224 ±60	282 ±14	291 ±15	301 ±74	-31	0.01452	5.2	21.58	2.7	0.0506	2.6	0.323	3.7	0.0463	2.7	0.7	21.53	2.8	0.0524	3.3	0.335	3.9	0.0464	2.8	0.6
116.5.1	1.1E-4	44	0.0528	1.2	0.241	0.7	0.0923	2.7	0.20	324	233	12.9	3.1	0.74	0.33	293 ±3	293 ±3	292 ±4	250 ±43	299 ±5	302 ±5	153 ±41	-18	0.01505	1.5	21.53	1.2	0.0512	1.9	0.328	2.2	0.0464	1.2	0.5	21.59	1.3	0.0491	1.8	0.314	2.0	0.0463	1.3	0.5
16.41.1	2.7E-4	30	0.0535	1.3	0.120	0.9	0.0902	3.5	0.50	260	93	10.4	1.2	0.37	0.93	293 ±5	294 ±5	294 ±5	169 ±67	278 ±10	296 ±8	279 ±39	-76	0.01477	2.7	21.49	1.8	0.0494	2.9	0.317	3.4	0.0465	1.8	0.5	21.42	1.9	0.0519	1.7	0.334	2.4	0.0467	1.9	0.7
16.28.1	----	---	0.0516	3.2	0.220	1.7	0.0916	1.7	--	139	93	5.6	1.2	0.69	0.12	294 ±5	294 ±5	293 ±5	266 ±73	297 ±7	300 ±9	209 ±89	-10	0.01494	3.0	21.47	1.6	0.0516	3.2	0.331	3.6	0.0466	1.6	0.5	21.50	1.8	0.0503	3.6	0.323	4.0	0.0465	1.8	0.4
16.12.1	1.9E-4	38	0.0528	2.2	0.125	0.9	0.0892	1.8	0.34	269	104	10.8	1.3	0.40	0.58	294 ±4	295 ±4	295 ±5	196 ±73	279 ±8	292 ±9	316 ±53	-51	0.01454	3.1	21.44	1.5	0.0500	3.1	0.322	3.5	0.0466	1.5	0.4	21.37	1.6	0.0527	2.3	0.340	2.8	0.0468	1.6	0.5
16.35.1	1.1E-4	42	0.0525	1.2	0.153	1.3	0.0849	3.3	0.21	332	155	13.3	2.0	0.48	1.00	294 ±2	295 ±2	295 ±2	232 ±43	290 ±6	297 ±6	273 ±41	-28	0.01481	2.1	21.41	0.8	0.0508	1.9	0.327	2.0	0.0467	0.8	0.4	21.38	0.8	0.0517	1.8	0.334	2.0	0.0468	0.8	0.4
116.9.1	6.3E-5	71	0.0519	2.9	0.151	0.9	0.0924	1.1	0.11	206	96	8.3	1.2	0.48	1.20	295 ±3	296 ±3	295 ±4	241 ±75	291 ±6	297 ±10	279 ±75	-23	0.01482	3.2	21.35	1.1	0.0510	3.2	0.329	3.4	0.0468	1.1	0.3	21.32	1.2	0.0519	3.3	0.335	3.5	0.0469	1.2	0.4
16.40.1	-2.9E-4	37	0.0502	1.8	0.165	1.5	0.0905	1.9	--	162	81	6.5	1.2	0.51	0.13	296 ±4	296 ±4	294 ±4	390 ±75	322 ±10	312 ±7	125 ±48	+25	0.01554	2.4	21.26	1.2	0.0545	3.3	0.353	3.5	0.0470	1.2	0.3	21.42	1.3	0.0485	2.0	0.312	2.3	0.0467	1.3	0.4
16.17.1	4.1E-5	58	0.0525	1.0	0.179	2.5	0.0964	1.6	0.08	458	244	18.6	3.3	0.55	2.08	297 ±2	297 ±2	297 ±3	281 ±28	306 ±10	307 ±10	189 ±77	-6	0.01532	3.4	21.18	0.8	0.0519	1.2	0.338	1.4	0.0472	0.8	0.5	21.24	0.9	0.0499	3.3	0.324	3.7	0.0471	0.9	0.5
16.13.1	-1.1E-4	75	0.0516	2.1	0.215	1.1	0.0844	3.3	--	122	78	4.9	1.1	0.66	0.44	298 ±3	298 ±3	296 ±3	335 ±69	314 ±6	311 ±6	117 ±61	+11	0.01549	2.0	21.14	1.0	0.0531	3.0	0.347	3.2	0.0473	1.0	0.3	21.26	1.1	0.0484	2.6	0.314	2.8	0.0470	1.1	0.4
116.7.1	1.4E-4	52	0.0535	1.6	0.129	1.1	0.0828	3.3	0.26	195	78	7.9	1.0	0.41	0.15	298 ±2	298 ±2	299 ±3	258 ±63	286 ±8	291 ±7	353 ±38	-16	0.01452	2.3	21.13	0.8	0.0514	2.7	0.335	2.9	0.0473	0.8	0.3	21.07	0.9	0.0536	1.7	0.351	1.8	0.0475	0.9	0.4
16.36.1	7.7E-5	47	0.0529	0.9	0.112	0.9	0.0891	2.4	0.14	647	222	26.3	2.9	0.35	0.36	298 ±2	298 ±2	299 ±2	273 ±28	293 ±5	297 ±5	306 ±23	-9	0.01482	1.6	21.12	0.7	0.0517	1.2	0.338	1.4	0.0474	0.7	0.5	21.10	0.7	0.0525	1.0	0.343	1.2	0.0474	0.7	0.5
16.39.1	7.2E-5	45	0.0519	1.1	0.077	2.4	0.0889	2.7	0.13	469	108	19.2	1.4	0.24	1.76	300 ±3	300 ±3	300 ±3	233 ±33	297 ±10	312 ±11	246 ±37	-29	0.01557	3.6	21.02	1.0	0.0508	1.4	0.333	1.7	0.0476	1.0	0.6	21.01	1.0	0.0511	1.6	0.335	1.8	0.0476	1.0	0.5
16.21.1	-1.9E-4	32	0.0515	1.2	0.100	0.9	0.0873	2.7	--	368	112	15.0	1.6	0.32	1.44	300 ±4	299 ±4	299 ±4	382 ±44	323 ±10	308 ±8	246 ±39	+22	0.01535	2.6	21.01	1.3	0.0543	2.0	0.356	2.3	0.0476	1.3	0.6	21.09	1.4	0.0511	1.7	0.334	2.1	0.0474	1.4	0.6
16.42.1	1.8E-4	34	0.0524	1.2	0.148	0.7	0.0952	1.1	0.33	300	132	12.3	1.8	0.45	0.65	300 ±3	301 ±3	300 ±3	185 ±51	299 ±7	313 ±6	193 ±36	-63	0.01560	1.8	21.01	1.1	0.0498	2.2	0.327	2.5	0.0476	1.1	0.4	21.00	1.2	0.0500	1.5	0.328	1.9	0.0476	1.2	0.6
16.31.1	-1.8E-6	300	0.0531	2.2	0.120	3.7	0.0920	1.3	--	394	144	16.2	2.0	0.38	2.99	301 ±3	300 ±3	301 ±3	332 ±49	304 ±15	299 ±16	312 ±79	+10	0.01489	5.5	20.94	1.0	0.0531	2.2	0.350	2.4	0.0478	1.0	0.4	20.95	1.1	0.0526	3.5	0.346	3.8	0.0477	1.1	0.4
16.19.1	-3.3E-4	32	0.0532	1.5	0.161	4.0	0.0884	2.9	--	204	100	8.4	1.5	0.51	2.73	301 ±5	299 ±5	299 ±5	526 ±64	325 ±18	297 ±16	317 ±92	+44	0.01483	5.3	20.89	1.7	0.0579	2.9	0.382	3.4	0.0479	1.7	0.5	21.03	1.8	0.0527	4.0	0.346	4.5	0.0476	1.8	0.5
16.43.1	-1.5E-4	27	0.0531	0.9	0.104	1.7	0.0985	1.7	--	578	183	23.8	2.6	0.33	1.07	302 ±3	301 ±3	301 ±3	423 ±30	319 ±8	297 ±8	320 ±32	+29	0.01482	2.6	20.88	1.1	0.0553	1.4	0.365	1.7	0.0479	1.1	0.6	20.94	1.2	0.0528	1.4	0.348	1.7	0.0478	1.2	0.6
16.40.2	5.4E-4	24	0.0533	1.5	0.220	0.8	0.0919	2.0	0.98	214	142	8.8	1.8	0.69	0.69	302 ±3	304 ±3	304 ±4	-37 ±111	283 ±8	308 ±5	250 ±49	+944	0.01538	1.7	20.86	1.1	0.0454	4.6	0.300	4.7	0.0479	1.1	0.2	20.71	1.2	0.0512	2.1	0.341	2.4	0.0483	1.2	0.5
16.50.1	-8.6E-5	58	0.0509	1.4	0.136	0.9	0.0866	2.5	--	242	99	10.1	1.4	0.42	0.55	306 ±2	306 ±2	305 ±2	290 ±45	320 ±6	322 ±6	170 ±38	-5	0.01608	1.9	20.60	0.7	0.0521	2.0	0.349	2.1	0.0485	0.7	0.3	20.67	0.8	0.0495	1.6	0.330	1.8	0.0484	0.8	0.4
16.37.1	-3.5E-4	30	0.0540	1.5	0.207	0.8	0.0966	1.0	--	191	119	8.1	1.8	0.64	0.11	309 ±2	307 ±2	306 ±2	571 ±63	336 ±7	310 ±4	266 ±38	+47	0.01545	1.4	20.35	0.6	0.0591	2.9	0.400	3.0	0.0491	0.6	0.2	20.55	0.6	0.0516	1.6	0.346	1.8	0.0487	0.6	0.3
16.16.1	1.4E-2	6	0.2798	3.4																																							