

Supplemental data

Table 1. SHRIMP individual spot data for GST

OLT1 set 1																				
Spot	% ²⁰⁶ Pb/ ²⁰⁶ Pb _c	ppm U	ppm Th	ppm ²⁰⁶ Pb*	²³² Th / ²³⁸ U	±%	(1) ²⁰⁶ Pb* / ²³⁸ U Age	± 1σ	(1) ²⁰⁷ Pb* / ²⁰⁶ Pb* Age	± 1σ	(1) ²⁰⁸ Pb* / ²³² Th Age	± 1σ	% Dis- cor- dant	(1) ²⁰⁷ Pb* / ²⁰⁶ Pb* ±%	(1) ²⁰⁷ Pb* / ²³⁵ U ±%	(1) ²⁰⁶ Pb* / ²³⁸ U ±%	err corr			
OLT1d-1	0.84	484	795	68.7	1.70	0.21	986	±27	997	±25	996	±29	+1	0.07239	1.2	1.650	3.2	0.1653	2.9	0.92
OLT1d-2	0.79	445	698	66.2	1.62	0.22	1030	±28	999	±23	1067	±31	-3	0.07246	1.1	1.731	3.1	0.1733	2.9	0.93
OLT1d-3	0.64	485	805	69.3	1.71	0.21	991	±27	1031	±24	1012	±29	+4	0.07362	1.2	1.687	3.1	0.1662	2.9	0.93
OLT1d-4	0.82	483	769	71.3	1.64	0.21	1022	±27	1023	±23	1050	±30	+0	0.07332	1.1	1.736	3.1	0.1717	2.9	0.93
OLT1d-5	0.78	501	853	69.7	1.76	0.21	966	±26	1025	±24	967	±28	+6	0.07339	1.2	1.636	3.1	0.1617	2.9	0.92
OLT1d-6	0.80	475	775	71.2	1.69	0.21	1036	±28	1010	±24	1065	±31	-3	0.07287	1.2	1.751	3.1	0.1743	2.9	0.93
OLT1a-1	0.73	406	721	60.2	1.83	0.21	1025	±27	1043	±23	1054	±30	+2	0.07405	1.1	1.760	3.1	0.1723	2.9	0.93
OLT1a-2	0.87	418	750	62.2	1.85	0.21	1031	±28	994	±24	1062	±31	-4	0.07230	1.2	1.728	3.1	0.1734	2.9	0.93
OLT1a-3	0.96	418	757	61.2	1.87	0.21	1014	±27	994	±44	1030	±30	-2	0.07227	2.2	1.698	3.6	0.1704	2.9	0.80
OLT1a-4	0.73	426	777	63.2	1.88	0.21	1027	±28	1028	±23	1055	±30	+0	0.07351	1.1	1.750	3.1	0.1726	2.9	0.93
OLT1a-5	0.71	447	803	65.7	1.85	0.21	1018	±27	1043	±21	1045	±30	+3	0.07407	1.0	1.748	3.1	0.1711	2.9	0.94
OLT1a-6	0.69	433	784	65.6	1.87	0.21	1047	±28	1054	±22	1072	±31	+1	0.07447	1.1	1.811	3.1	0.1764	2.9	0.93
OLT1h-1	0.72	497	938	72.3	1.95	0.20	1008	±27	1051	±21	1028	±29	+4	0.07435	1.0	1.736	3.1	0.1693	2.9	0.94
OLT1h-2	0.90	459	836	63.4	1.88	0.22	962	±26	992	±27	990	±29	+3	0.07222	1.3	1.603	3.2	0.1610	2.9	0.91
OLT1h-3	0.74	484	876	71.5	1.87	0.21	1024	±27	1016	±22	1053	±30	-1	0.07309	1.1	1.734	3.1	0.1721	2.9	0.94
OLT1h-4	0.78	502	943	73.8	1.94	0.20	1017	±27	1013	±20	1034	±30	-0	0.07297	1.0	1.719	3.1	0.1709	2.9	0.94
OLT1h-5	0.86	513	958	74.6	1.93	0.19	1007	±27	1007	±21	1041	±30	-0	0.07274	1.1	1.696	3.1	0.1691	2.9	0.94
OLT1h-6	1.36	510	924	69.1	1.87	0.26	944	±25	1020	±30	956	±28	+8	0.07321	1.5	1.592	3.3	0.1577	2.9	0.89
OLT1 Set 2																				
OLT1-2-1	0.80	659	1274	99.4	2.00	0.59	1042	±20	1020	±79	1020	±25	-2	0.0732	3.9	1.770	4.3	0.1754	1.8	0.41
OLT1-2-2	0.85	569	1111	82.4	2.02	0.58	1005	±19	979	±43	975	±22	-3	0.0717	2.1	1.669	2.7	0.1687	1.7	0.62
OLT1-2-3	0.91	576	1113	83.2	1.99	0.52	1001	±19	1006	±40	975	±22	+1	0.0727	2.0	1.684	2.6	0.1680	1.7	0.65
OLT1-2-4	0.91	581	1114	84.2	1.98	0.49	1004	±19	995	±41	977	±21	-1	0.0723	2.0	1.681	2.6	0.1686	1.7	0.64
OLT1-6-1	0.79	592	1157	90.4	2.02	0.49	1054	±20	1040	±35	1028	±22	-2	0.0739	1.7	1.812	2.5	0.1777	1.8	0.72
OLT1-6-2	0.88	563	1104	84.5	2.03	0.48	1038	±19	959	±38	1023	±22	-9	0.0710	1.9	1.712	2.5	0.1748	1.7	0.68
OLT1-6-3	0.81	565	1119	83.6	2.04	0.48	1024	±19	983	±37	998	±21	-5	0.0719	1.8	1.707	2.5	0.1722	1.7	0.68

OLT1-6-4	0.62	593	1159	88.3	2.02	0.48	1031	±19	1048	±29	1015	±22	+2	0.0742	1.4	1.775	2.3	0.1734	1.8	0.78
OLT1-6-5	0.82	544	1078	79.5	2.04	0.46	1012	±19	1045	±34	978	±21	+3	0.0741	1.7	1.738	2.4	0.1700	1.7	0.72
OLT1-6-6	0.72	558	1097	83.2	2.03	0.54	1033	±20	1014	±36	1023	±22	-2	0.0730	1.8	1.748	2.5	0.1737	1.7	0.70
OLT1-4-1	0.95	606	953	87.8	1.62	0.56	1005	±19	991	±47	983	±23	-1	0.0722	2.3	1.678	2.9	0.1686	1.7	0.59
OLT1-4-2	1.13	585	906	83.8	1.60	0.51	994	±19	917	±53	976	±22	-9	0.0696	2.6	1.601	3.0	0.1667	1.6	0.53
OLT1-4-3	0.62	589	934	85.7	1.64	0.52	1009	±19	1073	±31	997	±22	+7	0.0752	1.6	1.756	2.3	0.1694	1.8	0.75
OLT1-4-4	1.03	644	997	95.1	1.60	0.52	1022	±19	964	±43	1006	±24	-6	0.0712	2.1	1.687	2.7	0.1718	1.7	0.63
OLT1-3-1	0.75	590	933	85.0	1.63	0.51	1000	±19	1039	±42	980	±22	+4	0.0739	2.1	1.709	2.7	0.1677	1.7	0.64
OLT1-3-2	1.12	591	976	86.9	1.71	0.53	1018	±19	961	±51	993	±22	-6	0.0711	2.5	1.678	3.0	0.1711	1.7	0.56
OLT1-3-3	0.84	604	994	87.5	1.70	0.50	1005	±19	1022	±37	979	±22	+2	0.0733	1.8	1.705	2.5	0.1687	1.7	0.68
OLT1-3-4	0.88	593	1015	85.9	1.77	0.49	1004	±19	1015	±39	995	±22	+1	0.0731	1.9	1.698	2.6	0.1686	1.7	0.66
OLT1-4-5	0.79	578	944	85.3	1.69	0.49	1021	±19	994	±38	1004	±22	-3	0.0723	1.9	1.711	2.5	0.1717	1.7	0.68
OLT1-6-7	0.61	574	1124	86.2	2.02	0.47	1038	±19	1049	±33	1037	±22	+1	0.0743	1.6	1.790	2.4	0.1747	1.8	0.74
OLT1-2-5	0.94	613	1196	92.1	2.02	0.47	1038	±19	1000	±38	1019	±22	-4	0.0725	1.9	1.747	2.6	0.1747	1.7	0.68

OLT1 Set 3

OLT1-1	5.26	279	624	40.8	2.31	0.38	1011	±19	1013	±213	1008	±32	+0	0.0730	10.5	1.709	10.7	0.1698	2.0	0.19
OLT1-2	1.08	277	717	40.6	2.67	0.36	1015	±12	1058	±30	1015	±14	+4	0.0746	1.5	1.754	2.0	0.1705	1.3	0.66
OLT1-3	1.07	283	739	41.6	2.70	0.36	1018	±12	1053	±30	1005	±15	+4	0.0744	1.5	1.756	2.0	0.1712	1.3	0.66
OLT1-4	0.93	277	599	41.4	2.24	0.63	1036	±13	1075	±29	1025	±17	+4	0.0752	1.4	1.809	1.9	0.1744	1.3	0.67
OLT1-5	1.05	270	595	40.0	2.27	0.42	1025	±12	1012	±32	1004	±14	-1	0.0729	1.6	1.733	2.0	0.1724	1.3	0.64
OLT1-6	6.02	277	686	41.6	2.56	1.58	1040	±15	985	±116	1030	±26	-6	0.0720	5.7	1.737	5.9	0.1750	1.5	0.26
OLT1-7	1.25	272	691	39.9	2.63	0.38	1018	±12	972	±35	1023	±15	-5	0.0715	1.7	1.687	2.1	0.1711	1.3	0.61
OLT1-8	1.13	275	703	40.7	2.64	0.76	1025	±16	1026	±32	1013	±19	+0	0.0734	1.6	1.744	2.3	0.1723	1.7	0.73
OLT1-9	1.27	261	614	38.7	2.43	0.40	1026	±13	984	±37	1009	±18	-5	0.0719	1.8	1.711	2.3	0.1725	1.3	0.60
OLT1-10	1.21	274	545	39.8	2.05	0.76	1006	±13	945	±37	1000	±20	-7	0.0706	1.8	1.643	2.3	0.1688	1.4	0.62
OLT1-11	1.12	263	596	38.9	2.34	0.75	1025	±12	1012	±33	1023	±17	-1	0.0729	1.6	1.733	2.1	0.1724	1.3	0.63
OLT1-12	1.25	285	722	41.6	2.61	0.91	1011	±12	1028	±36	1016	±17	+2	0.0735	1.8	1.721	2.2	0.1698	1.3	0.59
OLT1-13	1.16	276	704	40.8	2.64	0.37	1025	±12	1045	±31	1024	±14	+2	0.0741	1.5	1.762	2.0	0.1724	1.3	0.65
OLT1-14	0.84	278	707	40.9	2.62	0.35	1018	±12	1091	±26	1020	±15	+7	0.0759	1.3	1.789	1.8	0.1710	1.3	0.71
OLT1-15	1.12	279	712	40.8	2.63	0.36	1012	±12	1069	±30	1021	±15	+6	0.0750	1.5	1.759	2.0	0.1700	1.3	0.66
OLT1-16	1.32	273	693	39.7	2.63	0.87	1009	±12	990	±33	995	±16	-2	0.0721	1.6	1.686	2.1	0.1695	1.3	0.63
OLT1-17	2.67	274	714	40.5	2.70	0.74	1025	±14	958	±58	996	±17	-8	0.0710	2.9	1.687	3.2	0.1723	1.5	0.46
OLT1-18	1.17	280	712	40.4	2.63	0.79	1003	±12	1056	±31	1003	±17	+6	0.0746	1.5	1.730	2.0	0.1683	1.3	0.65
OLT1-19	1.29	246	586	36.1	2.46	0.37	1016	±12	973	±35	1002	±15	-5	0.0715	1.7	1.683	2.1	0.1706	1.3	0.61
OLT1-20	1.06	252	545	37.4	2.24	0.40	1027	±13	1028	±41	1001	±15	+0	0.0735	2.0	1.750	2.4	0.1727	1.3	0.55

OLT1-21	1.17	288	737	41.8	2.64	0.35	1005	±12	1016	±31	1003	±15	+1	0.0731	1.5	1.700	2.0	0.1687	1.3	0.65
OLT1-22	2.18	294	759	43.1	2.67	0.36	1016	±14	999	±49	1004	±16	-2	0.0725	2.4	1.705	2.8	0.1706	1.4	0.51
OLT1-23	2.52	339	852	48.7	2.59	0.99	997	±14	1020	±45	1010	±19	+2	0.0732	2.2	1.689	2.7	0.1673	1.5	0.55
OLT1-24	2.44	398	965	54.5	2.50	0.36	953	±15	1020	±47	998	±18	+7	0.0732	2.3	1.609	2.9	0.1594	1.7	0.59
OLT1-25	1.21	304	782	45.3	2.65	0.36	1030	±12	1005	±32	1024	±14	-3	0.0727	1.6	1.736	2.0	0.1732	1.3	0.64
OLT1-26	0.96	348	866	50.2	2.57	0.36	1000	±16	1073	±33	1025	±20	+7	0.0752	1.7	1.739	2.4	0.1677	1.7	0.72
OLT1-27	1.10	374	912	51.6	2.52	0.36	962	±13	1052	±36	999	±16	+9	0.0744	1.8	1.650	2.3	0.1609	1.5	0.64

OLT1 set 4																				
OLT1-1-1	1.15	484	1180	73.8	2.42	0.36	1043	±11	994	±23	1087	±18	-5	0.07229	1.1	1.750	1.6	0.1756	1.2	0.722
OLT1-1-2	1.02	494	1220	73.6	2.45	0.35	1020	±11	1014	±21	1046	±18	-1	0.07299	1.1	1.725	1.6	0.1714	1.2	0.746
OLT1-1-3	1.46	476	1170	73.6	2.43	0.34	1056	±11	987	±24	1103	±19	-8	0.07205	1.2	1.768	1.7	0.1780	1.2	0.706
OLT1-2-1	1.95	447	1072	66.3	2.38	0.41	1020	±11	960	±34	1030	±18	-7	0.07107	1.6	1.680	2.0	0.1714	1.2	0.586
OLT1-2-2	1.17	446	1235	67.2	2.75	1.23	1033	±12	1074	±82	1060	±23	+4	0.07520	4.1	1.802	4.3	0.1738	1.2	0.290
OLT1-2-3	0.97	453	1045	66.0	2.29	0.43	1005	±11	1040	±26	1035	±18	+4	0.07396	1.3	1.720	1.7	0.1687	1.2	0.685
OLT1-3-1	1.30	463	1209	68.3	2.59	0.41	1013	±11	1010	±28	1046	±18	-0	0.07285	1.4	1.710	1.8	0.1702	1.2	0.656
OLT1-3-2	1.13	464	1161	67.6	2.48	1.76	1002	±17	1031	±25	1031	±20	+3	0.07363	1.3	1.708	2.2	0.1682	1.8	0.823
OLT1-3-3	1.12	470	1252	71.3	2.64	0.43	1039	±11	1020	±27	1077	±18	-2	0.07321	1.3	1.766	1.8	0.1749	1.2	0.669
OLT1-4-1	0.86	440	1218	64.9	2.75	0.42	1017	±11	1096	±23	1047	±18	+8	0.07605	1.2	1.791	1.7	0.1708	1.2	0.714
OLT1-4-2	1.18	448	1192	65.2	2.64	0.41	1003	±11	1008	±28	1011	±17	+1	0.07279	1.4	1.690	1.8	0.1684	1.2	0.655
OLT1-4-3	1.36	437	1182	64.5	2.68	1.72	1014	±19	1004	±30	1039	±18	-1	0.07265	1.5	1.706	2.5	0.1704	2.0	0.812
OLT1-1-4	1.20	439	1163	66.2	2.63	1.42	1033	±11	1013	±28	1071	±23	-2	0.07298	1.4	1.749	1.8	0.1738	1.2	0.658
OLT1-2-4	1.07	429	916	63.7	2.12	0.45	1021	±11	1048	±27	1050	±18	+3	0.07426	1.3	1.757	1.8	0.1716	1.2	0.668
OLT1-3-4	1.00	479	1323	66.4	2.73	2.26	958	±17	1045	±25	939	±22	+9	0.07412	1.2	1.638	2.3	0.1603	2.0	0.849
OLT1-5-1	1.30	444	1176	65.2	2.62	0.41	1010	±11	990	±27	1040	±18	-2	0.07214	1.3	1.687	1.8	0.1696	1.2	0.663
OLT1-5-2	1.27	444	1190	64.4	2.66	1.07	998	±11	1001	±27	1019	±20	+0	0.07252	1.4	1.675	1.8	0.1675	1.2	0.661
OLT1-5-3	0.94	446	1183	65.7	2.64	0.40	1014	±11	1056	±42	1053	±18	+4	0.07453	2.1	1.751	2.4	0.1703	1.2	0.496
OLT1-5-4	1.10	448	1172	65.2	2.59	0.41	1002	±11	1019	±25	1022	±17	+2	0.07317	1.3	1.697	1.7	0.1682	1.2	0.688

OLT2 set 1																				
OLT2h-1	0.98	361	741	51.3	2.12	0.25	987	±27	991	±32	1009	±29	+0	0.07217	1.6	1.646	3.3	0.1654	2.9	0.88
OLT2h-2	0.92	335	691	49.7	2.13	0.25	1027	±28	1031	±31	1048	±30	+0	0.07360	1.5	1.753	3.3	0.1728	2.9	0.89
OLT2h-3	0.98	357	735	50.7	2.13	0.26	986	±27	1017	±32	1004	±29	+3	0.07312	1.6	1.667	3.3	0.1653	2.9	0.88
OLT2h-4	0.87	350	721	51.7	2.13	0.25	1023	±28	1051	±28	1037	±30	+3	0.07436	1.4	1.763	3.2	0.1720	2.9	0.90
OLT2h-4b	0.99	426	881	62.4	2.14	0.25	1016	±27	986	±31	1037	±30	-3	0.07201	1.5	1.695	3.3	0.1707	2.9	0.89
OLT2h-5	1.08	363	746	51.3	2.13	0.25	983	±27	978	±33	1002	±30	-1	0.07171	1.6	1.628	3.4	0.1647	2.9	0.87
OLT2h-6	0.94	362	748	53.5	2.14	0.25	1023	±28	1037	±31	1032	±30	+1	0.07384	1.5	1.751	3.3	0.1720	2.9	0.88

OLT2g-1	0.69	372	603	51.5	1.67	0.27	963	±26	1017	±31	970	±29	+6	0.07311	1.5	1.625	3.3	0.1612	2.9	0.89
OLT2g-2	0.85	359	606	50.2	1.75	0.28	973	±26	989	±39	972	±29	+2	0.07211	1.9	1.620	3.5	0.1629	2.9	0.83
OLT2g-3	0.90	411	648	54.9	1.63	0.27	932	±25	960	±34	924	±27	+3	0.07109	1.7	1.524	3.3	0.1555	2.9	0.87
OLT2g-4	0.96	380	612	53.7	1.66	0.26	982	±27	937	±39	977	±29	-5	0.07028	1.9	1.594	3.5	0.1645	2.9	0.84
OLT2g-5	0.86	313	521	46.4	1.72	0.27	1026	±28	1007	±33	1032	±30	-2	0.07274	1.6	1.730	3.3	0.1725	2.9	0.87
OLT2g-6	0.80	363	489	52	1.39	0.27	996	±27	1012	±29	1045	±31	+2	0.07294	1.4	1.680	3.2	0.1670	2.9	0.90
OLT2b-1	1.27	377	783	54.7	2.15	0.24	1008	±27	958	±37	1018	±30	-6	0.07103	1.8	1.657	3.4	0.1692	2.9	0.85
OLT2b-2	1.11	386	796	57.3	2.13	0.24	1028	±28	977	±32	1031	±30	-6	0.07169	1.5	1.709	3.3	0.1729	2.9	0.88
OLT2b-3	1.00	419	870	61.8	2.15	0.24	1021	±27	1000	±31	1032	±30	-2	0.07250	1.5	1.716	3.3	0.1716	2.9	0.89
OLT2b-4	0.99	390	806	57.7	2.14	0.24	1025	±28	1027	±27	1045	±30	+0	0.07346	1.4	1.746	3.2	0.1724	2.9	0.91
OLT2b-5	1.05	402	834	59.3	2.15	0.24	1022	±27	984	±30	1028	±30	-4	0.07193	1.5	1.704	3.3	0.1718	2.9	0.89
OLT2b-5b	1.17	376	783	56.6	2.15	0.24	1039	±28	951	±34	1049	±31	-10	0.07079	1.7	1.708	3.4	0.1750	2.9	0.87
OLT2b-6	0.92	368	760	55	2.13	0.25	1035	±28	1049	±31	1048	±30	+1	0.07428	1.5	1.784	3.3	0.1742	2.9	0.88
OLT2 Set 2																				
OLT2-1-1	1.16	792	1169	114.4	1.52	0.59	1002	±11	977	±59	962	±17	-3	0.0717	2.9	1.662	3.1	0.1681	1.2	0.38
OLT2-1-2	0.90	802	1170	115.3	1.51	0.58	997	±11	987	±49	968	±16	-1	0.0720	2.4	1.662	2.7	0.1673	1.2	0.44
OLT2-1-3	1.17	763	1117	108.4	1.51	0.58	987	±11	971	±52	943	±16	-2	0.0715	2.6	1.631	2.8	0.1654	1.2	0.42
OLT2-1-4	1.24	748	1086	107.6	1.50	0.61	998	±11	1002	±55	965	±18	+0	0.0726	2.7	1.675	3.0	0.1674	1.2	0.40
OLT2-1-6	0.87	782	1128	112.3	1.49	0.58	997	±11	1009	±45	974	±16	+1	0.0728	2.2	1.679	2.5	0.1672	1.2	0.46
OLT2 set 3																				
TCB as std																				
OLT2-2	0.84	165	329	23.6	2.054	0.34	992	±18	1072	±56	1003	±21	+8	0.0751	2.8	1.723	3.4	0.1663	2.0	0.57
OLT2-3	0.97	169	338	24.3	2.065	0.34	997	±18	1057	±34	1011	±22	+6	0.0746	1.7	1.720	2.6	0.1672	2.0	0.77
OLT2-4	1.05	178	348	25.1	2.027	0.33	981	±18	1009	±37	990	±20	+3	0.0728	1.8	1.650	2.7	0.1643	1.9	0.73
OLT2-5	1.12	176	345	25.0	2.025	0.34	989	±18	978	±39	1001	±20	-1	0.0717	1.9	1.639	2.7	0.1657	1.9	0.71
OLT2-6	1.24	167	335	23.9	2.068	0.34	993	±18	993	±39	997	±20	-0	0.0722	1.9	1.659	2.7	0.1666	1.9	0.71
OLT2-7	0.77	182	328	25.5	1.862	0.34	975	±18	1049	±30	990	±20	+8	0.0743	1.5	1.672	2.4	0.1633	1.9	0.79
OLT2-8	1.06	179	361	25.8	2.084	0.33	999	±18	982	±36	1012	±20	-2	0.0719	1.8	1.661	2.6	0.1677	1.9	0.74
OLT2-9	1.00	192	386	27.4	2.070	0.33	989	±18	993	±34	999	±20	+0	0.0722	1.7	1.652	2.6	0.1659	1.9	0.75
OLT2-10	0.74	184	390	26.4	2.196	0.33	999	±18	1087	±31	1002	±20	+9	0.0757	1.5	1.749	2.5	0.1676	1.9	0.79
OLT2-11	0.62	206	418	29.8	2.097	0.33	1003	±18	1093	±31	1017	±20	+9	0.0759	1.5	1.762	2.5	0.1683	1.9	0.79
OLT2-12	1.07	202	409	29.2	2.097	0.34	1004	±18	1000	±39	1001	±20	-0	0.0725	1.9	1.685	2.7	0.1686	1.9	0.71
OLT2-13	1.26	190	382	27.5	2.079	0.34	1005	±18	954	±47	1007	±21	-6	0.0709	2.3	1.649	3.0	0.1688	1.9	0.64
OLT2-14	1.01	196	396	28.3	2.092	0.34	1004	±18	1041	±43	1012	±21	+4	0.0740	2.1	1.719	2.9	0.1685	1.9	0.67
OLT2-15	1.20	187	377	26.7	2.081	0.34	990	±18	972	±40	992	±20	-2	0.0715	2.0	1.637	2.8	0.1660	1.9	0.70

OLT2-16	0.98	198	400	27.7	2.087	0.34	974	±18	1024	±35	978	±20	+5	0.0734	1.7	1.649	2.6	0.1631	1.9	0.74
OLT2-17	1.35	186	372	26.7	2.060	0.33	994	±18	914	±41	999	±20	-9	0.0695	2.0	1.598	2.8	0.1667	1.9	0.70
OLT2-18	1.05	199	402	28.3	2.086	0.33	985	±18	1003	±35	989	±20	+2	0.0726	1.7	1.653	2.6	0.1652	1.9	0.75
OLT2-19	0.88	188	375	27.2	2.068	0.33	1007	±18	1025	±34	1015	±22	+2	0.0734	1.7	1.711	2.6	0.1690	1.9	0.76
OLT2-20	0.79	180	361	25.8	2.074	0.33	996	±18	1046	±31	999	±20	+5	0.0742	1.5	1.708	2.5	0.1670	1.9	0.78
OLT2-23	0.92	183	368	26.3	2.080	0.33	998	±19	1020	±33	1004	±21	+2	0.0732	1.6	1.691	2.6	0.1675	2.0	0.78
OLT2-21	0.83	198	398	27.8	2.070	0.33	975	±18	1057	±31	989	±20	+8	0.0746	1.5	1.679	2.5	0.1633	1.9	0.78
OLT2-22	0.85	200	405	28.0	2.091	0.33	973	±18	1060	±33	973	±20	+9	0.0747	1.6	1.677	2.5	0.1629	1.9	0.77
OLT2-24	0.98	201	406	28.5	2.083	0.33	982	±18	1016	±34	984	±20	+4	0.0731	1.7	1.658	2.6	0.1646	1.9	0.76
OLT2-25	0.85	194	388	27.9	2.063	0.33	995	±18	1028	±33	1013	±20	+3	0.0735	1.6	1.692	2.5	0.1670	1.9	0.76
OLT2-26	0.80	193	388	28.1	2.079	0.34	1008	±18	1057	±31	1031	±21	+5	0.0746	1.6	1.741	2.5	0.1693	1.9	0.78
OLT2-27	0.94	207	420	29.5	2.099	0.34	991	±18	1024	±35	1000	±20	+3	0.0734	1.7	1.682	2.6	0.1662	1.9	0.75
OLT2-28	0.81	187	372	26.5	2.056	0.33	984	±18	1073	±31	1000	±20	+9	0.0752	1.5	1.709	2.5	0.1650	1.9	0.79
OLT2-29	1.12	190	381	27.2	2.072	0.33	996	±18	976	±37	1001	±20	-2	0.0717	1.8	1.650	2.7	0.1670	1.9	0.73
OLT2-30	0.91	190	382	27.2	2.078	0.33	995	±18	1037	±32	1001	±21	+4	0.0739	1.6	1.700	2.6	0.1669	2.0	0.78

TCB set 1

TCB-1	0.53	451	902	66.4	2.07	0.38	1021	±9	1028	±36	1023	±12	+1	0.07351	1.8	1.739	2.0	0.1716	0.9	0.46
TCB-2	0.49	474	946	68.7	2.06	0.38	1004	±9	1045	±37	1010	±12	+4	0.07412	1.8	1.723	2.0	0.1686	0.9	0.46
TCB-3	0.47	399	794	61.4	2.05	0.42	1062	±9	1056	±19	1079	±13	-1	0.07455	0.9	1.842	1.3	0.1792	0.9	0.71
TCB-4	0.61	490	978	77.9	2.06	1.05	1094	±14	997	±21	1113	±13	-11	0.07240	1.0	1.847	1.7	0.1850	1.4	0.79
TCB-5	0.53	469	947	70.2	2.09	0.39	1036	±10	1017	±108	1043	±20	-2	0.07309	5.3	1.756	5.4	0.1743	1.0	0.19
TCB-6	0.60	438	877	66.5	2.07	0.39	1049	±9	1017	±64	1056	±16	-3	0.07312	3.2	1.781	3.3	0.1767	1.0	0.29
TCB-7	0.48	435	869	65.7	2.06	0.40	1044	±9	1042	±19	1057	±13	-0	0.07402	0.9	1.794	1.3	0.1758	0.9	0.72
TCB-8	0.52	416	845	61.5	2.10	0.41	1024	±9	1022	±20	1027	±12	-0	0.07330	1.0	1.740	1.4	0.1721	0.9	0.69
TCB-9	0.40	457	962	66.9	2.18	0.38	1016	±9	1035	±18	1010	±12	+2	0.07375	0.9	1.735	1.3	0.1706	0.9	0.73
TCB-10	0.65	447	928	64.1	2.15	0.40	995	±9	998	±78	973	±16	+0	0.07242	3.8	1.667	4.0	0.1670	1.0	0.25
TCB-11	0.47	444	911	61.9	2.12	0.99	969	±12	1049	±75	950	±15	+8	0.07428	3.7	1.661	4.0	0.1622	1.3	0.34
TCB-12	0.44	427	871	61.5	2.11	1.06	998	±13	1060	±19	985	±12	+6	0.07470	0.9	1.725	1.6	0.1674	1.4	0.83
TCB-13	0.59	450	910	63.5	2.09	0.40	981	±9	1037	±50	965	±12	+6	0.07383	2.5	1.673	2.7	0.1643	0.9	0.35
TCB-14	0.52	426	857	62.7	2.08	0.41	1019	±9	1049	±20	1016	±12	+3	0.07427	1.0	1.753	1.4	0.1712	0.9	0.70
TCB-15	0.65	491	970	70.0	2.04	0.43	989	±9	1019	±23	984	±12	+3	0.07318	1.1	1.673	1.5	0.1658	0.9	0.64
TCB-16	0.71	437	897	63.9	2.12	0.42	1014	±9	1010	±25	992	±12	-0	0.07284	1.3	1.711	1.6	0.1704	0.9	0.60
TCB-17	0.62	487	1003	71.7	2.13	0.42	1020	±9	1021	±22	1010	±12	+0	0.07324	1.1	1.732	1.5	0.1715	0.9	0.65
TCB-18	0.58	429	883	64.1	2.13	0.40	1034	±10	1024	±88	1044	±18	-1	0.07335	4.3	1.760	4.5	0.1740	1.0	0.23
TCB-19	0.71	403	805	60.3	2.07	0.41	1035	±9	993	±23	1029	±12	-5	0.07226	1.1	1.736	1.5	0.1742	0.9	0.64

TCB-20	0.56	462	926	69.9	2.07	0.39	1046	±9	1014	±61	1051	±15	-3	0.07300	3.0	1.773	3.2	0.1762	1.0	0.31
TCB-21	0.55	459	929	69.2	2.09	0.38	1043	±9	1010	±20	1046	±12	-4	0.07285	1.0	1.763	1.4	0.1755	0.9	0.69
TCB-22	0.41	463	934	70.0	2.09	0.39	1046	±9	1039	±17	1057	±13	-1	0.07390	0.9	1.794	1.3	0.1761	0.9	0.74
TCB-23	0.49	413	819	61.9	2.05	0.41	1036	±9	1048	±20	1049	±13	+1	0.07425	1.0	1.785	1.4	0.1744	0.9	0.69
TCB-24	0.44	458	914	69.2	2.06	0.97	1046	±12	1040	±17	1055	±12	-1	0.07395	0.9	1.796	1.5	0.1761	1.3	0.83
TCB-25	0.35	470	937	70.8	2.06	0.39	1042	±9	1063	±17	1051	±12	+2	0.07478	0.8	1.809	1.3	0.1755	0.9	0.75
TCB-26	0.44	420	834	62.2	2.05	0.41	1025	±9	1066	±17	1030	±12	+4	0.07492	0.9	1.780	1.3	0.1723	0.9	0.74
TCB-27	0.62	516	1037	76.8	2.08	0.37	1030	±9	992	±19	1019	±12	-4	0.07222	1.0	1.724	1.3	0.1732	0.9	0.70
TCB-28	0.50	527	1063	77.5	2.09	0.37	1019	±9	1017	±18	1008	±12	-0	0.07312	0.9	1.727	1.3	0.1713	0.9	0.72
TCB-29	0.46	412	814	60.9	2.04	0.42	1024	±9	1045	±20	1018	±12	+2	0.07413	1.0	1.759	1.4	0.1721	0.9	0.69
TCB-30	0.54	449	924	65.6	2.13	0.40	1013	±9	1034	±80	1007	±16	+2	0.07371	3.9	1.729	4.1	0.1701	1.0	0.25

TCB set 2

TCB-1	0.75	652	1319	95.3	2.091	0.23	1014	±7	995	±27	1002	±11	-2	0.07231	1.3	1.697	1.5	0.17027	0.72	0.48
TCB-2	0.61	659	1342	97.6	2.103	0.23	1025	±6	1019	±24	1023	±8	-1	0.07318	1.2	1.739	1.3	0.17233	0.60	0.45
TCB-3	0.57	685	1351	101.8	2.037	0.23	1028	±7	1015	±24	1026	±9	-1	0.07302	1.2	1.741	1.4	0.17295	0.77	0.55
TCB-4	0.54	685	1280	102.1	1.931	0.23	1032	±8	1048	±23	1041	±10	2	0.07424	1.1	1.777	1.4	0.17363	0.80	0.57
TCB-5	0.60	666	1319	99.5	2.047	0.23	1034	±6	1007	±25	1032	±8	-3	0.07276	1.2	1.746	1.4	0.17400	0.60	0.44
TCB-6	0.73	680	1361	100.8	2.068	0.23	1027	±6	987	±28	1027	±8	-4	0.07204	1.4	1.715	1.5	0.17264	0.60	0.40
TCB-7	0.54	676	1359	99.2	2.077	0.23	1017	±6	1034	±24	1007	±8	2	0.07373	1.2	1.738	1.3	0.17096	0.60	0.45
TCB-8	0.56	673	1332	99.7	2.044	0.23	1026	±7	1026	±25	1026	±9	0	0.07345	1.2	1.746	1.4	0.17245	0.75	0.52
TCB-9	0.52	657	1317	96.5	2.072	0.23	1018	±7	1062	±25	1020	±9	5	0.07477	1.2	1.764	1.4	0.17108	0.75	0.52
TCB-10	0.57	642	1292	94.3	2.078	0.24	1017	±6	1024	±25	1004	±8	1	0.07337	1.2	1.729	1.4	0.17090	0.61	0.44
TCB-12	0.82	699	1483	101.8	2.191	0.25	1009	±6	1003	±31	999	±9	-1	0.07262	1.6	1.696	1.7	0.16939	0.62	0.37
TCB-13	0.73	667	1469	97.0	2.276	0.23	1009	±6	1003	±27	995	±8	-1	0.07259	1.4	1.695	1.5	0.16940	0.60	0.41
TCB-14	0.58	659	1419	96.3	2.224	0.23	1013	±6	1047	±24	1008	±8	3	0.07419	1.2	1.741	1.3	0.17019	0.60	0.45
TCB-15	0.54	619	1410	90.6	2.355	0.21	1015	±6	1019	±22	1004	±7	0	0.07318	1.1	1.720	1.2	0.17051	0.59	0.48
TCB-16	0.84	654	1397	96.6	2.208	0.22	1023	±6	993	±27	1006	±8	-3	0.07226	1.3	1.713	1.5	0.17198	0.60	0.41
TCB-17	0.62	649	1362	95.6	2.169	0.22	1020	±7	996	±25	1007	±9	-3	0.07234	1.2	1.710	1.4	0.17149	0.73	0.52
TCB-18	0.46	607	1277	90.2	2.174	0.21	1028	±8	1038	±21	1020	±9	1	0.07388	1.0	1.761	1.3	0.17289	0.79	0.61
TCB-19	0.42	628	1251	92.3	2.060	0.22	1018	±6	1050	±21	1018	±8	3	0.07431	1.1	1.753	1.2	0.17115	0.59	0.49
TCB-20	0.60	613	1210	90.8	2.039	0.44	1025	±6	1009	±24	1021	±9	-2	0.07282	1.2	1.730	1.3	0.17235	0.59	0.44

TCB-21	0.51	591	1212	87.8	2.119	0.22	1029	±6	1026	±22	1023	±8	0	0.07343	1.1	1.752	1.2	0.17310	0.59	0.47
TCB-22	0.61	607	1198	89.5	2.039	0.22	1022	±6	1020	±24	1011	±8	0	0.07322	1.2	1.733	1.3	0.17171	0.59	0.45
TCB-23	0.46	617	1218	90.7	2.041	0.22	1019	±6	1049	±21	1011	±8	3	0.07429	1.0	1.755	1.2	0.17130	0.59	0.50
TCB-24	0.60	636	1308	93.8	2.126	0.23	1022	±6	1033	±25	1014	±8	1	0.07370	1.2	1.745	1.4	0.17179	0.60	0.44
TCB-25	0.44	614	1229	91.3	2.066	0.22	1028	±6	1043	±21	1019	±8	2	0.07406	1.1	1.766	1.2	0.17291	0.59	0.49
TCB-26	0.59	610	1265	90.2	2.143	0.22	1024	±6	998	±25	1017	±8	-3	0.07244	1.2	1.719	1.4	0.17216	0.61	0.45
TCB-27	0.64	640	1303	93.7	2.103	0.23	1014	±6	995	±26	1008	±8	-2	0.07233	1.3	1.699	1.4	0.17041	0.60	0.43
TCB-28	0.66	630	1305	92.6	2.141	0.24	1018	±6	1020	±26	1004	±9	0	0.07321	1.3	1.727	1.4	0.17113	0.61	0.43
TCB-29	1.40	635	1358	93.1	2.209	0.24	1016	±7	1004	±46	998	±10	-1	0.07263	2.3	1.709	2.4	0.17073	0.76	0.31

TCB set 3

TCB-2	0.69	417	828	62	2.050	0.34	1028	±12	1020	±25	1018	±14	-1	0.07322	1.2	1.746	1.8	0.1730	1.29	0.72
TCB-3	0.74	413	804	61	2.009	0.33	1017	±12	1036	±25	1014	±14	+2	0.07379	1.2	1.738	1.8	0.1709	1.28	0.73
TCB-4	0.74	405	790	60	2.013	0.33	1024	±12	1017	±24	1019	±14	-1	0.07312	1.2	1.735	1.8	0.1721	1.28	0.73
TCB-5	0.67	407	794	60	2.017	0.33	1026	±12	1014	±23	1024	±14	-1	0.07298	1.2	1.736	1.7	0.1725	1.28	0.74
TCB-6	0.77	420	849	63	2.087	0.33	1029	±12	993	±26	1019	±14	-4	0.07224	1.3	1.725	1.8	0.1731	1.29	0.71
TCB-7	0.69	391	764	58	2.018	0.34	1027	±12	1017	±24	1021	±14	-1	0.07310	1.2	1.740	1.8	0.1727	1.29	0.73
TCB-8	0.59	401	779	60	2.008	0.33	1038	±12	1056	±23	1044	±14	+2	0.07455	1.1	1.796	1.7	0.1747	1.28	0.75
TCB-9	0.65	419	826	63	2.039	0.33	1038	±12	1026	±23	1029	±14	-1	0.07343	1.1	1.769	1.7	0.1748	1.28	0.75
TCB-10	0.53	558	1130	82	2.091	0.31	1016	±12	1050	±21	1011	±14	+4	0.07433	1.0	1.749	1.6	0.1706	1.28	0.78
TCB-11	0.64	715	1458	104	2.106	0.31	1005	±15	1029	±28	994	±17	+2	0.07353	1.4	1.711	2.1	0.1688	1.57	0.74
TCB-12	0.71	519	1027	77	2.045	0.32	1027	±13	1009	±25	1013	±14	-2	0.07281	1.3	1.734	1.8	0.1727	1.34	0.73
TCB-13	0.95	550	1093	81	2.053	0.32	1015	±13	932	±29	1003	±15	-10	0.07014	1.4	1.648	2.0	0.1704	1.36	0.70
TCB-14	0.65	597	1188	88	2.057	0.32	1018	±13	1033	±24	1010	±15	+2	0.07369	1.2	1.738	1.8	0.1711	1.34	0.75
TCB-15	0.90	593	1149	86	2.003	0.32	1011	±12	967	±28	990	±14	-5	0.07132	1.4	1.670	1.9	0.1698	1.29	0.68
TCB-16	0.65	623	1217	91	2.018	0.33	1015	±12	1023	±26	1003	±14	+1	0.07333	1.3	1.724	1.8	0.1705	1.29	0.70
TCB-18	0.83	687	1361	99	2.046	0.32	1004	±12	1027	±27	985	±14	+2	0.07348	1.3	1.707	1.8	0.1685	1.28	0.70
TCB-19	0.67	530	1057	79	2.061	0.33	1029	±12	1026	±25	1019	±14	-0	0.07344	1.2	1.753	1.8	0.1731	1.29	0.72
TCB-20	0.62	551	1096	80	2.054	0.32	1011	±12	1033	±24	1007	±14	+2	0.07370	1.2	1.726	1.7	0.1698	1.28	0.74

Errors are 1-sigma; Pb_c and Pb^{*} indicate the common and radiogenic portions, respectively.

Error in Standard calibration was 0.67% (not included in above errors but required when comparing data from different mounts).

(1) Common Pb corrected using measured ²⁰⁴Pb.

	OLT1 set 1	OLT1 set 2	OLT1 set 3	OLT1 set 4	OLT2 set 1	OLT2 set 2	OLT2 set 3	TCB set 1	TCB set 2	TCB set 3
% Error in Standard Calibration	0.72	0.61	0.43	0.33	0.72	0.61	0.68	0.21	0.14	0.67

