Data Repository Item E - U-Pb zircon analytical results from Cantwell Formation bentonites

Mineral Zrn
Sample Name 02LTC
A2Z Name 1413-06

	Uranium and Thorium			Concordant Scans: Isotopic Ratios							Concordant Scans: Ages									Preferred Age					
Analysis Name	[U] (ppm)	[Th] (ppm)	U/Th	207Pb/235U	2 sigma	206Pb/238U	2 sigma	207Pb/206Pb	2 sigma	Error Correlation	207Pb/235U	2 -sigma	2 +sigma	206Pb/238U	2 -sigma	2 +sigma	207Pb/206Pb	2 -sigma	2 +sigma	Preferred Age (Ma)	2 -sigma	2 +sigma	Age Type	Concordant S	Total Scans
P1413_006_Zrn_A_1_MBD_0	1016	152	6.70	0.07646	0.02101	0.01063	0.00071	0.05216	0.01404	0.20	74.81	19.92	19.72	68.18	4.54	4.54	292.29	584.58	562.67	68.18	4.54	4.54	206Pb/238U concordant scans	17	31
P1413_006_Zrn_A_1_MBD_1	287	88	3.26	0.06613	0.01340	0.01011	0.00047	0.04743	0.00962	0.11	65.02	12.80	12.72	64.85	2.99	2.99	71.15	142.31	449.81	64.85	2.99	2.99	206Pb/238U concordant scans	13	31
P1413_006_Zrn_A_1_MBD_2	323	82	3.94	0.07184	0.01354	0.01037	0.00045	0.05024	0.00949	0.10	70.45	12.87	12.79	66.51	2.87	2.87	206.04	412.09	410.97	66.51	2.87	2.87	206Pb/238U concordant scans	16	31
P1413_006_Zrn_A_1_MBD_3	186	43	4.36	0.07835	0.01463	0.01100	0.00049	0.05165	0.00976	0.06	76.59	13.82	13.73	70.54	3.11	3.11	269.89	465.11	406.76	70.54	3.11	3.11	206Pb/238U concordant scans	16	31
P1413_006_Zrn_A_1_MBD_4	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_006_Zrn_A_1_MBD_5	390	284	1.37	0.07148	0.01768	0.01136	0.00039	0.04563	0.01132	0.05	70.10	16.83	16.69	72.82	2.48	2.48	0.00	0.00	507.89	0.00	0.00	0.00	Pbc-corrected concordant scans	12	31
P1413_006_Zrn_A_1_MBD_6	379	206	1.84	0.07878	0.01269	0.01072	0.00046	0.05331	0.00868	0.08	77.00	11.98	11.91	68.73	2.91	2.91	341.96	391.18	348.90	68.73	2.91	2.91	206Pb/238U concordant scans	16	31
P1413_006_Zrn_A_1_MBD_7	501	198	2.53	0.07829	0.00985	0.01082	0.00035	0.05250	0.00668	0.07	76.54	9.29	9.25	69.34	2.21	2.21	307.34	303.73	277.67	69.34	2.21	2.21	206Pb/238U concordant scans	27	31
P1413_006_Zrn_A_1_MBD_8	327	214	1.53	0.07023	0.00816	0.01045	0.00044	0.04873	0.00583	0.08	68.91	7.76	7.73	67.03	2.79	2.79	134.96	269.92	269.82	67.03	2.79	2.79	206Pb/238U concordant scans	19	31
P1413_006_Zrn_A_1_MBD_9	341	151	2.25	0.08150	0.01170	0.01173	0.00034	0.05040	0.00726	0.07	79.55	11.01	10.95	75.16	2.17	2.17	213.45	352.00	317.66	75.16	2.17	2.17	206Pb/238U concordant scans	21	31
P1413_006_Zrn_A_1_MBD_10	180	44	4.07	0.07281	0.01908	0.01044	0.00054	0.05061	0.01343	0.03	71.37	18.14	17.98	66.92	3.42	3.42	223.04	446.08	561.79	66.92	3.42	3.42	206Pb/238U concordant scans	17	31
P1413_006_Zrn_A_1_MBD_11	1486	1121	1.33	0.06657	0.00377	0.00989	0.00023	0.04884	0.00276	0.19	65.44	3.59	3.59	63.42	1.48	1.48	140.02	135.22	129.86	63.42	1.48	1.48	206Pb/238U concordant scans	21	31
P1413_006_Zrn_A_1_MBD_12	447	183	2.44	0.07197	0.01245	0.01070	0.00059	0.04879	0.00869	0.06	70.56	11.82	11.75	68.59	3.74	3.74	137.92	275.84	393.54	68.59	3.74	3.74	206Pb/238U concordant scans	14	31
P1413_006_Zrn_A_1_MBD_13	489	159	3.08	0.07501	0.00691	0.01097	0.00044	0.04958	0.00475	0.11	73.44	6.54	6.52	70.35	2.80	2.80	175.35	231.42	216.11	70.35	2.80	2.80	206Pb/238U concordant scans	14	31
P1413_006_Zrn_A_1_MBD_14	2104	848	2.48	0.06778	0.00466	0.01071	0.00036	0.04592	0.00304	0.31	66.59	4.44	4.43	68.64	2.27	2.27	0.00	0.00	142.98	0.00	0.00	0.00	Pbc-corrected concordant scans	23	31
P1413_006_Zrn_A_1_MBD_15	352	152	2.31	0.07106	0.01031	0.01042	0.00045	0.04946	0.00727	0.10	69.70	9.80	9.76	66.83	2.85	2.85	169.56	339.11	326.20	66.83	2.85	2.85	206Pb/238U concordant scans	14	31
P1413_006_Zrn_A_1_MBD_16	298	61	4.89	0.07519	0.01769	0.01022	0.00077	0.05334	0.01285	0.08	73.62	16.78	16.64	65.57	4.94	4.94	343.49	596.71	503.54	65.57	4.94	4.94	206Pb/238U concordant scans	13	31
P1413_006_Zrn_A_1_MBD_17	684	370	1.85	0.07252	0.00722	0.01033	0.00054	0.05092	0.00518	0.21	71.09	6.85	6.83	66.25	3.44	3.43	236.99	243.35	226.41	66.25	3.44	3.43	206Pb/238U concordant scans	13	31
P1413_006_Zrn_A_1_MBD_18	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_006_Zrn_A_1_MBD_19	444	104	4.26	0.07458	0.00814	0.01069	0.00055	0.05059	0.00570	0.16	73.04	7.71	7.68	68.56	3.48	3.48	222.19	271.38	250.49	68.56	3.48	3.48	206Pb/238U concordant scans	23	31
P1413_006_Zrn_A_1_MBD_20	404	105	3.84	0.07457	0.01231	0.01129	0.00044	0.04790	0.00790	0.12	73.03	11.67	11.60	72.38	2.78	2.79	94.21	188.42	368.97	72.38	2.78	2.79	206Pb/238U concordant scans	22	31
P1413_006_Zrn_A_1_MBD_21	294	77	3.84	0.07637	0.01327	0.01091	0.00067	0.05077	0.00887	0.16	74.72	12.56	12.48	69.95	4.29	4.29	230.28	430.41	380.10	69.95	4.29	4.29	206Pb/238U concordant scans	9	31
P1413_006_Zrn_A_1_MBD_22	305	102	2.98	0.07523	0.01048	0.01141	0.00054	0.04780	0.00656	0.21	73.65	9.92	9.87	73.16	3.46	3.46	89.55	179.10	310.16	73.16	3.46	3.46	206Pb/238U concordant scans	20	31
P1413_006_Zrn_A_1_MBD_23	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_006_Zrn_A_1_MBD_24	246	43	5.76	0.07276	0.01417	0.01024	0.00056	0.05152	0.01009	0.12	71.32	13.46	13.37	65.70	3.60	3.60	264.06	483.84	421.03	65.70	3.60	3.60	206Pb/238U concordant scans	16	31
P1413_006_Zrn_A_1_MBD_25	670	463	1.45	0.07542	0.00524	0.01076	0.00029	0.05083	0.00346	0.23	73.83	4.95	4.94	69.00	1.87	1.87	233.18	160.89	153.31	69.00	1.87	1.87	206Pb/238U concordant scans	24	31
P1413_006_Zrn_A_1_MBD_26	282	80	3.52	0.08098	0.01605	0.01061	0.00078	0.05533	0.01101	0.17	79.06	15.13	15.02	68.06	4.99	4.99	425.62	477.70	415.81	68.06	4.99	4.99	206Pb/238U concordant scans	14	31
P1413_006_Zrn_A_1_MBD_27	324	97	3.35	0.09664	0.02784	0.01153	0.00071	0.06079	0.01764	0.07	93.67	25.94	25.61	73.90	4.52	4.52	631.71	695.53	570.17	73.90	4.52	4.52	206Pb/238U concordant scans	7	31
P1413_006_Zrn_A_1_MBD_28	362	112	3.22	0.07690	0.02042	0.01090	0.00057	0.05119	0.01355	0.11	75.23	19.35	19.16	69.86	3.65	3.65	249.31	498.62	558.21	69.86	3.65	3.65	206Pb/238U concordant scans	14	31
P1413_006_Zrn_A_1_MBD_29	445	152	2.93	0.07082	0.01146	0.01049	0.00039	0.04896	0.00798	0.08	69.48	10.90	10.84	67.28	2.51	2.51	145.91	291.82	361.39	67.28	2.51	2.51	206Pb/238U concordant scans	22	31
P1413_006_Zrn_A_1_MBD_30	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_006_Zrn_A_1_MBD_31	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_006_Zrn_A_1_MBD_32	233	60	3.88	0.07593	0.01749	0.01064	0.00053	0.05173	0.01202	0.06	74.31	16.58	16.44	68.26	3.39	3.38	273.71	547.41	492.68	68.26	3.39	3.38	206Pb/238U concordant scans	21	31
P1413_006_Zrn_A_1_MBD_33	353	113	3.13	0.08871	0.01991	0.01054	0.00067	0.06103	0.01358	0.17	86.30	18.66	18.49	67.60	4.27	4.27	640.25	518.51	445.52	67.60	4.27	4.27	206Pb/238U concordant scans	11	31
P1413_006_Zrn_A_1_MBD_34	204	52	3.88	0.06731	0.01232	0.01033	0.00079	0.04727	0.00915	0.06	66.14	11.76	11.69	66.23	5.06	5.06	62.81	125.62	431.36	66.23	5.06	5.06	206Pb/238U concordant scans	18	31
P1413_006_Zrn_A_1_MBD_35	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_006_Zrn_A_1_MBD_36	2241	2215	1.01	0.07389	0.00784	0.01081	0.00050	0.04958	0.00501	0.32	72.38	7.42	7.40	69.30	3.18	3.18	175.27	244.50	227.47	69.30	3.18	3.18	206Pb/238U concordant scans	12	31
P1413_006_Zrn_A_1_MBD_37	369	168	2.20	0.06896	0.01065	0.01029	0.00053	0.04859	0.00766	0.09	67.71	10.15	10.10	66.01	3.38	3.38	128.12	256.25	351.46	66.01	3.38	3.38	206Pb/238U concordant scans	16	31
P1413_006_Zrn_A_1_MBD_38	1886	1116	1.69	0.06820	0.00528	0.01040	0.00053	0.04758	0.00328	0.48	66.99	5.03	5.02	66.68	3.38	3.38	78.23	156.46	159.62	66.68	3.38	3.38	206Pb/238U concordant scans	15	31
P1413_006_Zrn_A_1_MBD_39	219	62	3.51	0.08100	0.01562	0.01114	0.00074	0.05275	0.01039	0.10	79.09	14.73	14.62	71.39	4.69	4.69	318.24	481.73	419.24	71.39	4.69	4.69	206Pb/238U concordant scans	17	31
P1413_006_Zrn_A_1_MBD_40	644	296	2.17	0.06911	0.00711	0.01063	0.00046	0.04714	0.00474	0.25	67.85	6.76	6.74	68.18	2.92	2.92	56.24	112.48	231.65	68.18	2.92	2.92	206Pb/238U concordant scans	23	31
P1413_006_Zrn_A_1_MBD_41	145	26	5.60	0.08446	0.03252	0.01191	0.00132	0.05145	0.02023	0.07	82.33	30.68	30.22	76.30	8.40	8.39	260.99	521.98	795.84	76.30	8.40	8.39	206Pb/238U concordant scans	12	31
P1413_006_Zrn_A_1_MBD_42	188	43	4.32	0.07497	0.01233	0.01123	0.00063	0.04843	0.00806	0.13	73.41	11.68	11.61	71.98	3.99	3.99	120.09	240.18	370.32	71.98	3.99	3.99	206Pb/238U concordant scans	12	31
P1413_006_Zrn_A_1_MBD_43	511	299	1.71	0.07309	0.01087	0.01069	0.00048	0.04957	0.00745	0.11	71.63	10.32	10.26	68.57	3.08	3.08	174.79	349.59	333.14	68.57	3.08	3.08	206Pb/238U concordant scans	20	31
P1413_006_Zrn_A_1_MBD_44	252	73	3.48	0.07877	0.01586	0.01122	0.00103	0.05091	0.01036	0.20	76.99	14.99	14.88	71.93	6.58	6.57	236.92	473.85	438.16	71.93	6.58	6.57	206Pb/238U concordant scans	15	31
P1413_006_Zrn_A_1_MBD_45	1355	885	1.53	0.07679	0.01447	0.01109	0.00039	0.05023	0.00947	0.08	75.12	13.70	13.60	71.08	2.51	2.51	205.57	411.15	410.37	71.08	2.51	2.51	206Pb/238U concordant scans	17	31
P1413_006_Zrn_A_1_MBD_46	485	253	1.91	0.06989	0.00951	0.01089	0.00045	0.04653	0.00636	0.12	68.59	9.04	9.00	69.85	2.88	2.88	25.01	50.02	312.73	69.85	2.88	2.88	206Pb/238U concordant scans	12	31
P1413_006_Zrn_A_1_MBD_47	300	109	2.75	0.07951	0.00959	0.01101	0.00051	0.05240	0.00633	0.18	77.68	9.04	9.00	70.56	3.23	3.23	302.87	287.71	264.22	70.56	3.23	3.23	206Pb/238U concordant scans	17	31
P1413_006_Zrn_A_1_MBD_48	300	101	2.98	0.07507	0.01311	0.01108	0.00050	0.04916	0.00868	0.08	73.50	12.42	12.35	71.01	3.21	3.21	155.44	310.87	389.18	71.01	3.21	3.21	206Pb/238U concordant scans	20	31
P1413_006_Zrn_A_1_MBD_49	481	314	1.53	0.06898	0.00857	0.00965	0.00034	0.05183	0.00645	0.12	67.73	8.16	8.12	61.93	2.17	2.17	277.87	297.99	272.91	61.93	2.17	2.17	206Pb/238U concordant scans	19	31
P1413_006_Zrn_A_1_MBD_50	238	95	2.51	0.07386	0.01331	0.01048	0.00050	0.05110	0.00929	0.09	72.36	12.63	12.55	67.23	3.16	3.16	245.26	448.11	393.79	67.23	3.16	3.16	206Pb/238U concordant scans	19	31
P1413_006_Zrn_A_1_MBD_51	621	249	2.50	0.07848	0.01629	0.01059	0.00053	0.05377	0.01130	0.06	76.71	15.40	15.28	67.88	3.36	3.36	361.36	512.52	442.19	67.88	3.36	3.36	206Pb/238U concordant scans	9	31
P1413_006_Zrn_A_1_MBD_52	183	51	3.59	0.18891	0.02321	0.02661	0.00088	0.05149	0.00640	0.07	175.70	19.92	19.72	169.28	5.51	5.51	263.02	298.59	273.44	169.28	5.51	5.51	206Pb/238U concordant scans	25	31
P1413_006_Zrn_A_1_MBD_53	346	96	3.60	0.07339	0.00921	0.01061	0.00050	0.05018	0.00651	0.08	71.91	8.73	8.69	68.03	3.20	3.20	203.22	315.89	287.97	68.03	3.20	3.20	206Pb/238U concordant scans	10	31
P1413_006_Zrn_A_1_MBD_54	313	115	2.72	0.07578	0.01535	0.01074	0.00050	0.05116	0.01052	0.04	74.17	14.54	14.43	68.88	3.17	3.17	248.26	496.51	441.70	68.88	3.17	3.17	206Pb/238U concordant scans	13	31
P1413_006_Zrn_A_1_MBD_55	474	121	3.92	0.07021	0.01196	0.01037	0.00044	0.04911	0.00855	0.02	68.90	11.38	11.31	66.50	2.84	2.84	153.05	306.10	384.11	66.50	2.84	2.84	206Pb/238U concordant scans	13	31
P1413_006_Zrn_A_1_MBD_56	322	117	2.75	0.06767	0.01166	0.01058	0.00056	0.04639	0.00826	0.03	66.49	11.12	11.06	67.84	3.55	3.55	18.14	36.29	401.90	67.84	3.55	3.55	206Pb/238U concordant scans	16	31
P1413_006_Zrn_A_1_MBD_57	599	331	1.81	0.07609	0.00847	0.01086	0.00029	0.05081	0.00570	0.06	74.47	8.01	7.97	69.65	1.87	1.87	232.01	269.90	249.22	69.65	1.87	1.87	206Pb/238U concordant scans	22	31
P1413_006_Zrn_A_1_MBD_58	264	72	3.64	0.08007	0.01188	0.01098	0.00046	0.05291	0.00805	0.03	78.21	11.20	11.14	70.37	2.94	2.94	324.80	365.23	328.15	70.37	2.94	2.94	206Pb/238U concordant scans	20	31
P1413_006_Zrn_A_1_MBD_59	409	188	2.17	0.07494	0.01130	0.01009	0.00035	0.05389	0.00822	0.05	73.37	10.70	10.65	64.69	2.25	2.25	366.43	363.58	326.72	64.69	2.25	2.25	206Pb/238U concordant scans	26	31
P1413_006_Zrn_A_1_MBD_60	169	53	3.20	0.07504	0.01777	0.01090	0.00061	0.04995	0.01203	0.03	73.47	16.85	16.71	69.87	3.86	3.86	192.44	384.87	516.71	69.87	3.86	3.86	206Pb/238U concordant scans	22	31
P1413_006_Zrn_A_1_MBD_61	484	152	3.19	0.07159	0.01063	0.01053	0.00044	0.04930	0.00743	0.07	70.21	10.10	10.05	67.54	2.78	2.78	162.07	324.13	334.47	67.54	2.78	2.78	206Pb/238U concordant scans	11	31
P1413_006_Zrn_A_1_MBD_62	1020	350	2.92	0.07255	0.00531	0.01102	0.00028	0.04775	0.00353	0.09	71.11	5.03	5.02	70.65	1.79	1.79	86.85	173.69	170.85	70.65	1.79	1.79	206Pb/238U concordant scans	30	31
P1413_006_Zrn_A_1_MBD_63	699	209	3.34	0.07362	0.00887	0.01105	0.00037	0.04832	0.00593	0.05	72.13	8.41	8.37	70.85	2.36	2.36	114.84	229.69	277.45	70.85	2.36	2.36	206Pb/238U concordant scans	22	31
P1413_006_Zrn_A_1_MBD_64	208	65	3.22	0.07741	0.01696	0.01124	0.00063	0.04995	0.01115	0.04	75.71	16.05	15.92	72.05	4.00	4.00	192.64	385.28	481.50	72.05	4.00	4.00	206Pb/238U concordant scans	13	31
P1413_006_Zrn_A_1_MBD_65	478	155	3.09	0.07800	0.00959	0.01140	0.00043	0.04963	0.00616	0.11	76.26	9.05	9.01	73.06	2.74	2.74	177.74	302.96	277.23	73.06	2.74	2.74	206Pb/238U concordant scans	24	31
P1413_006_Zrn_A_1_MBD_66	692	296	2.33	0.07256	0.00583	0.01108	0.00053	0.04750	0.00374	0.32	71.13	5.53	5.51	71.03	3.39	3.39	74.41	148.83	181.84	71.03	3.39	3.39	206Pb/238U concordant scans	17	31
P1413_006_Zrn_A_1_MBD_67	301	101	2.99	0.07675	0.01179	0.01140	0.00067	0.04885	0.00759	0.15	75.08	11.15	11.09	73.04	4.25	4.25	140.51	281.01	345.69	73.04	4.25	4.25	206Pb/238U concordant scans	13	31
P1413_006_Zrn_A_1_MBD_68	196	97	2.02	0.07490	0.01682	0.01075	0.00048	0.05054	0.01140	0.07	73.34	15.95	15.83	68.92	3.07	3.07	219.92	439.85	483.82	68.92	3.07	3.07	206Pb/238U concordant scans	22	31
P1413_006_Zrn_A_1_MBD_69	441	140	3.15	0.07141	0.00671	0.01058	0.00056	0.04897	0.00484	0.17	70.04	6.37	6.35	67.82	3.59	3.59	146.59	240.39	223.93	67.82	3.59	3.59	206Pb/238U concordant scans	15	31
P1413_006_Zrn_A_1_MBD_70	411	111	3.70	0.07083	0.01163	0.01087	0.00055	0.04724	0.00772	0.16	69.48	11.06	11.00	69.72	3.53	3.53	61.22	122.45	368.12	69.72	3.53	3.53	206Pb/238U concordant scans	18	31
P1413_006_Zrn_A_1_MBD_71	274	87	3.15	0.07993	0.01579	0.01099	0.00064	0.05276	0.01052	0.11	78.07	14.90	14.79	70.44	4.05	4.05	318.37	488.20	424.13	70.44	4.05	4.05	206Pb/238U concordant scans	16	31
P1413_006_Zrn_A_1_MBD_72	215	65	3.31	0.08449	0.01291	0.01120	0.00038	0.05473	0.00840	0.07	82.36	12.12	12.05	71.78	2.39	2.40	401.05	363.67	326.72	71.78	2.39	2.40	206Pb/238U concordant scans	25	31
P1413_006_Zrn_A_1_MBD_73	238	71	3.36	0.07346	0.01102	0.01053	0.00036	0.05060	0.00761	0.08	71.97	10.45	10.39	67.52	2.29	2.29	222.65	367.95	330.57	67.52	2.29	2.29	206Pb/238U concordant scans	23	31
P1413_006_Zrn_A_1_MBD_74	277	109	2.55	0.07249	0.00942	0.01063	0.00053	0.04946	0.00650	0.15	71.06	8.94	8.90	68.16	3.41	3.41	169.77	322.31	293.36	68.16	3.41	3.41	206Pb/238U concordant scans	18	31
P1413_006_Zrn_A_1_MBD_75	265	70	3.79	0.07271	0.01077	0.01023	0.00040	0.05153	0.00764	0.12	71.26	10.22	10.16	65.63	2.58	2.58	264.82	359.15	323.36	65.63	2.58	2.58	206Pb/238U concordant scans	23	31
P1413_006_Zrn_A_1_MBD_76	376	130	2.89	0.06899	0.01136	0.01007	0.00054	0.04968	0.00823	0.14	67.74	10.82	10.76	64.60	3.45	3.44	180.01	360.02	364.87	64.60	3.45	3.44	206Pb/238U concordant scans	17	31

P1413_006_Zrn_A_1_MBD_77	224	59	3.77	0.07950	0.01475	0.01102	0.00047	0.05234	0.00969	0.12	77.67	13.92	13.83	70.62	2.98	2.98	300.38	452.32	396.85	70.62	2.98	2.98	206Pb/238U concordant scans	27	31
P1413_006_Zrn_A_1_MBD_78	260	78	3.33	0.07510	0.01473	0.01082	0.00053	0.05032	0.00993	0.09	73.52	13.96	13.86	69.39	3.40	3.39	209.93	419.87	427.93	69.39	3.40	3.39	206Pb/238U concordant scans	15	31
P1413_006_Zrn_A_1_MBD_79	351	111	3.17	0.08489	0.04653	0.01092	0.00081	0.05637	0.03111	0.01	82.73	44.02	43.09	70.03	5.18	5.18	466.88	933.75	1033.88	70.03	5.18	5.18	206Pb/238U concordant scans	9	31
P1413_006_Zrn_A_1_MBD_80	373	141	2.64	0.06390	0.01258	0.00971	0.00063	0.04774	0.00963	0.08	62.89	12.04	11.97	62.28	4.00	4.00	86.17	172.34	446.69	62.28	4.00	4.00	206Pb/238U concordant scans	9	31
P1413_006_Zrn_A_1_MBD_81	324	105	3.08	0.07560	0.01209	0.01050	0.00037	0.05221	0.00838	0.08	74.00	11.44	11.38	67.34	2.35	2.35	294.71	388.90	347.20	67.34	2.35	2.35	206Pb/238U concordant scans	17	31
P1413_006_Zrn_A_1_MBD_82	564	378	1.49	0.07670	0.00655	0.01080	0.00037	0.05150	0.00441	0.17	75.04	6.18	6.16	69.26	2.35	2.35	263.38	202.54	190.64	69.26	2.35	2.35	206Pb/238U concordant scans	21	31
P1413_006_Zrn_A_1_MBD_83	2140	2106	1.02	0.07098	0.00301	0.01074	0.00028	0.04793	0.00191	0.36	69.63	2.86	2.85	68.87	1.77	1.77	96.01	95.83	93.11	68.87	1.77	1.77	206Pb/238U concordant scans	23	31
P1413_006_Zrn_A_1_MBD_84	359	115	3.12	0.07991	0.01613	0.01134	0.00036	0.05112	0.01028	0.10	78.06	15.22	15.11	72.68	2.29	2.29	246.27	492.53	432.63	72.68	2.29	2.29	206Pb/238U concordant scans	22	31
P1413_006_Zrn_A_1_MBD_85	103	24	4.29	0.07991	0.02341	0.01118	0.00106	0.05185	0.01548	0.10	78.06	22.13	21.89	71.65	6.78	6.78	278.72	557.44	619.87	71.65	6.78	6.78	206Pb/238U concordant scans	10	31
P1413_006_Zrn_A_1_MBD_86	252	113	2.22	0.07328	0.01287	0.01071	0.00040	0.04965	0.00879	0.05	71.81	12.21	12.14	68.64	2.54	2.53	178.55	357.10	388.73	68.64	2.54	2.53	206Pb/238U concordant scans	24	31
P1413_006_Zrn_A_1_MBD_87	267	123	2.18	0.07598	0.00968	0.01024	0.00046	0.05381	0.00693	0.13	74.36	9.15	9.11	65.69	2.92	2.91	362.98	304.27	278.03	65.69	2.92	2.91	206Pb/238U concordant scans	23	31
P1413_006_Zrn_A_1_MBD_88	363	124	2.92	0.07741	0.01152	0.01062	0.00037	0.05285	0.00786	0.11	75.70	10.89	10.83	68.12	2.38	2.38	322.22	356.72	321.26	68.12	2.38	2.38	206Pb/238U concordant scans	17	31
P1413_006_Zrn_A_1_MBD_89	1013	400	2.53	0.07390	0.00746	0.01118	0.00048	0.04795	0.00472	0.26	72.39	7.06	7.04	71.66	3.07	3.07	96.78	193.55	225.13	71.66	3.07	3.07	206Pb/238U concordant scans	11	31
P1413_006_Zrn_A_1_MBD_90	310	100	3.09	0.07231	0.01002	0.01103	0.00053	0.04753	0.00669	0.12	70.88	9.51	9.47	70.74	3.39	3.39	75.90	151.80	318.56	70.74	3.39	3.39	206Pb/238U concordant scans	17	31
P1413_006_Zrn_A_1_MBD_91	1034	375	2.75	0.07430	0.00934	0.01107	0.00041	0.04867	0.00602	0.20	72.77	8.85	8.81	70.98	2.59	2.59	131.83	263.65	278.46	70.98	2.59	2.59	206Pb/238U concordant scans	7	31
P1413_006_Zrn_A_1_MBD_92	228	78	2.93	0.07811	0.01522	0.01109	0.00066	0.05106	0.01001	0.13	76.36	14.39	14.28	71.12	4.22	4.22	243.62	486.31	422.98	71.12	4.22	4.22	206Pb/238U concordant scans	13	31
P1413_006_Zrn_A_1_MBD_93	593	172	3.46	0.07386	0.00845	0.01104	0.00052	0.04853	0.00555	0.20	72.35	8.01	7.97	70.77	3.29	3.29	125.18	250.36	258.56	70.77	3.29	3.29	206Pb/238U concordant scans	16	31
P1413_006_Zrn_A_1_MBD_94	200	60	3.34	0.06925	0.01666	0.01069	0.00062	0.04700	0.01140	0.08	67.98	15.88	15.76	68.52	3.97	3.97	49.07	98.13	533.50	68.52	3.97	3.97	206Pb/238U concordant scans	11	31
P1413_006_Zrn_A_1_MBD_95	280	171	1.64	0.06762	0.01374	0.01036	0.00070	0.04733	0.00965	0.15	66.44	13.11	13.03	66.45	4.45	4.45	65.96	131.92	452.44	66.45	4.45	4.45	206Pb/238U concordant scans	14	31
P1413_006_Zrn_A_1_MBD_96	217	78	2.79	0.07828	0.01068	0.01138	0.00043	0.04989	0.00683	0.11	76.53	10.08	10.04	72.96	2.77	2.77	189.65	335.29	304.04	72.96	2.77	2.77	206Pb/238U concordant scans	21	31
P1413_006_Zrn_A_1_MBD_97	280	69	4.06	0.09050	0.02049	0.01111	0.00079	0.05906	0.01373	0.06	87.97	19.17	18.99	71.25	5.02	5.02	569.21	550.58	469.29	71.25	5.02	5.02	206Pb/238U concordant scans	8	31
P1413_006_Zrn_A_1_MBD_98	187	61	3.08	0.07593	0.01776	0.01072	0.00052	0.05138	0.01207	0.08	74.31	16.83	16.69	68.73	3.29	3.29	257.91	515.83	499.09	68.73	3.29	3.29	206Pb/238U concordant scans	17	31
P1413_006_Zrn_A_1_MBD_99	87	15	5.98	0.10909	0.07445	0.01140	0.00071	0.06941	0.04742	0.03	105.14	69.33	67.04	73.06	4.53	4.53	911.06	1822.11	1158.66	73.06	4.53	4.53	206Pb/238U concordant scans	11	31
P1413_006_Zrn_A_1_MBD_100	414	111	3.73	0.07630	0.01033	0.01088	0.00053	0.05084	0.00674	0.23	74.66	9.77	9.73	69.78	3.40	3.40	233.78	321.27	292.39	69.78	3.40	3.40	206Pb/238U concordant scans	19	31
P1413_006_Zrn_A_1_MBD_101	277	128	2.16	0.07914	0.01189	0.01135	0.00060	0.05057	0.00789	0.05	77.33	11.22	11.16	72.75	3.85	3.85	221.48	382.54	342.30	72.75	3.85	3.85	206Pb/238U concordant scans	18	31
P1413_006_Zrn_A_1_MBD_102	426	137	3.11	0.07157	0.00933	0.01078	0.00053	0.04814	0.00623	0.20	70.19	8.86	8.82	69.13	3.37	3.37	106.23	212.47	292.38	69.13	3.37	3.37	206Pb/238U concordant scans	24	31
P1413_006_Zrn_A_1_MBD_103	240	56	4.28	0.06958	0.01330	0.01024	0.00043	0.04930	0.00953	0.05	68.30	12.67	12.59	65.66	2.73	2.73	161.94	323.89	423.16	65.66	2.73	2.73	206Pb/238U concordant scans	23	31
P1413_006_Zrn_A_1_MBD_104	373	131	2.85	0.07480	0.02219	0.01115	0.00136	0.04864	0.01464	0.17	73.24	21.07	20.86	71.50	8.68	8.67	130.44	260.88	640.49	71.50	8.68	8.67	206Pb/238U concordant scans	6	31
P1413_006_Zrn_A_1_MBD_105	201	46	4.33	0.07129	0.01014	0.01030	0.00052	0.05019	0.00733	0.09	69.93	9.64	9.59	66.07	3.32	3.32	203.91	357.98	322.54	66.07	3.32	3.32	206Pb/238U concordant scans	13	31
P1413_006_Zrn_A_1_MBD_106	1226	911	1.35	0.06996	0.00502	0.01074	0.00033	0.04726	0.00350	0.09	68.66	4.77	4.76	68.85	2.08	2.08	62.18	124.36	171.93	68.85	2.08	2.08	206Pb/238U concordant scans	21	31
P1413_006_Zrn_A_1_MBD_107	990	747	1.32	0.07330	0.00586	0.01055	0.00037	0.05038	0.00418	0.09	71.82	5.55	5.54	67.66	2.33	2.33	212.74	197.98	186.64	67.66	2.33	2.33	206Pb/238U concordant scans	21	31
P1413_006_Zrn_A_1_MBD_108	274	74	3.69	0.07793	0.01227	0.01126	0.00034	0.05019	0.00794	0.05	76.20	11.59	11.52	72.18	2.18	2.18	204.02	389.37	347.80	72.18	2.18	2.18	206Pb/238U concordant scans	26	31
P1413_006_Zrn_A_1_MBD_109	596	181	3.29	0.06841	0.00764	0.01057	0.00041	0.04695	0.00535	0.10	67.19	7.27	7.25	67.77	2.63	2.63	46.53	93.05	261.38	67.77	2.63	2.63	206Pb/238U concordant scans	11	31
P1413_006_Zrn_A_1_MBD_110	728	303	2.41	0.07701	0.00961	0.01162	0.00035	0.04805	0.00603	0.08	75.33	9.08	9.04	74.49	2.24	2.24	101.94	203.87	283.97	74.49	2.24	2.24	206Pb/238U concordant scans	12	31
P1413_006_Zrn_A_1_MBD_111	166	70	2.38	0.06789	0.01576	0.01027	0.00054	0.04792	0.01131	0.03	66.69	15.04	14.93	65.90	3.44	3.44	95.23	190.46	516.03	65.90	3.44	3.44	206Pb/238U concordant scans	18	31
P1413_006_Zrn_A_1_MBD_112	113	46	2.47	0.07594	0.01967	0.01116	0.00062	0.04937	0.01285	0.08	74.32	18.65	18.48	71.52	3.98	3.98	165.31	330.63	557.54	71.52	3.98	3.98	206Pb/238U concordant scans	20	31
P1413_006_Zrn_A_1_MBD_113	118	27	4.35	0.14990	0.16915	0.01384	0.00271	0.07857	0.08978	0.01	141.82	155.15	144.13	88.59	17.25	17.22	1161.29	2322.58	1691.03	88.59	17.25	17.22	206Pb/238U concordant scans	1	31
P1413_006_Zrn_A_1_MBD_114	1013	373	2.71	0.07130	0.00538	0.01068	0.00034	0.04840	0.00350	0.29	69.93	5.11	5.09	68.51	2.18	2.18	118.65	175.16	166.28	68.51	2.18	2.18	206Pb/238U concordant scans	26	31
P1413_006_Zrn_A_1_MBD_115	326	118	2.76	0.07152	0.01139	0.01067	0.00054	0.04861	0.00781	0.12	70.14	10.82	10.77	68.43	3.46	3.46	129.12	258.24	357.60	68.43	3.46	3.46	206Pb/238U concordant scans	21	31
P1413_006_Zrn_A_1_MBD_116	776	281	2.76	0.07985	0.01960	0.01164	0.00069	0.04975	0.01212	0.15	78.00	18.51	18.34	74.61	4.40	4.40	183.13	366.26	523.04	74.61	4.40	4.40	206Pb/238U concordant scans	3	31
P1413_006_Zrn_A_1_MBD_117	274	78	3.52	0.07062	0.01040	0.01033	0.00056	0.04959	0.00748	0.11	69.29	9.89	9.84	66.23	3.57	3.57	176.00	352.00	334.00	66.23	3.57	3.57	206Pb/238U concordant scans	12	31
P1413_006_Zrn_A_1_MBD_118	152	45	3.36	0.06746	0.01801	0.01070	0.00060	0.04572	0.01226	0.08	66.28	17.20	17.06	68.62	3.84	3.84	0.00	0.00	557.34	0.00	0.00	0.00	Pbc-corrected concordant scans	19	31
P1413_006_Zrn_A_1_MBD_119	810	252	3.21	0.07312	0.00487	0.01100	0.00034	0.04821	0.00318	0.22	71.65	4.62	4.61	70.52	2.14	2.14	109.60	159.55	152.15	70.52	2.14	2.14	206Pb/238U concordant scans	20	31

Data Repository Item E - U/Pb zircon analytical results from Cantwell Formation bentonites

Zircon

EFkToklat01

1413-07

Uranium and Thorium			Concordant Scans: Isotopic Ratios							Concordant Scans: Ages									Preferred Age					
[U] (ppm)	[Th] (ppm)	U/Th	207Pb/235U	2 sigma	206Pb/238U	2 sigma	207Pb/206Pb	2 sigma	Error Correlation	207Pb/235U	2 -sigma	2 +sigma	206Pb/238U	2 -sigma	2 +sigma	207Pb/206Pb	2 -sigma	2 +sigma	Preferred Age (Ma)	2 -sigma	2 +sigma	Age Type	Concordant	Total Scan
536	179	3.00	0.06044	0.00609	0.00895	0.00031	0.04900	0.00501	0.10	59.59	5.84	5.83	57.42	1.96	1.96	147.71	249.05	231.44	57.42	1.96	1.96	206Pb/238U concordant scans	18	31
295	96	3.08	0.06373	0.01800	0.00896	0.00052	0.05160	0.01481	0.02	62.73	17.25	17.11	57.49	3.35	3.35	267.55	535.10	599.07	57.49	3.35	3.35	206Pb/238U concordant scans	14	31
470	118	3.99	0.06207	0.00883	0.00898	0.00037	0.05013	0.00729	0.05	61.14	8.46	8.42	57.63	2.34	2.33	200.85	356.18	321.09	57.63	2.34	2.33	206Pb/238U concordant scans	18	31
154	35	4.43	0.07514	0.01987	0.00917	0.00069	0.05946	0.01620	0.03	73.56	18.85	18.68	58.81	4.39	4.39	583.92	653.95	542.23	58.81	4.39	4.39	206Pb/238U concordant scans	16	31
449	150	2.98	0.06276	0.00843	0.00932	0.00035	0.04886	0.00660	0.11	61.81	8.07	8.04	59.78	2.24	2.24	141.14	282.28	302.62	59.78	2.24	2.24	206Pb/238U concordant scans	23	31
257	63	4.08	0.06239	0.01186	0.00972	0.00039	0.04653	0.00886	0.09	61.45	11.37	11.31	62.38	2.47	2.47	25.37	50.75	427.77	62.38	2.47	2.47	206Pb/238U concordant scans	20	31
272	124	2.19	0.07502	0.01169	0.01106	0.00032	0.04921	0.00768	0.07	73.45	11.07	11.01	70.89	2.03	2.03	157.74	315.48	346.24	70.89	2.03	2.03	206Pb/238U concordant scans	25	31
286	58	4.97	0.09268	0.01428	0.01318	0.00091	0.05101	0.00838	0.06	90.00	13.32	13.23	84.40	5.76	5.76	241.10	402.47	358.12	84.40	5.76	5.76	206Pb/238U concordant scans	11	31
286	70	4.11	0.08892	0.01302	0.01327	0.00084	0.04859	0.00687	0.29	86.49	12.18	12.11	85.00	5.34	5.34	127.94	255.89	317.02	85.00	5.34	5.34	206Pb/238U concordant scans	14	31
314	101	3.10	0.08740	0.01332	0.01332	0.00062	0.04758	0.00746	0.05	85.08	12.48	12.40	85.32	3.97	3.97	78.33	156.66	352.52	85.32	3.97	3.97	206Pb/238U concordant scans	12	31
955	407	2.35	0.09144	0.00771	0.01332	0.00037	0.04978	0.00416	0.16	88.85	7.18	7.16	85.32	2.35	2.34	184.55	200.83	189.19	85.32	2.35	2.34	206Pb/238U concordant scans	17	31
287	95	3.01	0.10153	0.01586	0.01335	0.00059	0.05518	0.00869	0.10	98.19	14.68	14.57	85.46	3.78	3.78	419.43	372.26	333.59	85.46	3.78	3.78	206Pb/238U concordant scans	22	31
304	86	3.55	0.09112	0.01484	0.01335	0.00070	0.04951	0.00818	0.11	88.55	13.86	13.76	85.48	4.48	4.48	172.12	344.24	364.51	85.48	4.48	4.48	206Pb/238U concordant scans	19	31
357	107	3.35	0.09368	0.01019	0.01338	0.00054	0.05079	0.00554	0.16	90.92	9.48	9.44	85.66	3.42	3.42	231.25	261.99	242.46	85.66	3.42	3.42	206Pb/238U concordant scans	18	31
973	590	1.65	0.08855	0.00660	0.01338	0.00035	0.04798	0.00361	0.11	86.15	6.17	6.15	85.71	2.24	2.24	98.52	183.11	173.44	85.71	2.24	2.24	206Pb/238U concordant scans	31	31
238	49	4.81	0.09194	0.01819	0.01339	0.00064	0.04981	0.00981	0.13	89.30	16.98	16.84	85.73	4.07	4.07	185.91	371.81	428.97	85.73	4.07	4.07	206Pb/238U concordant scans	20	31
370	121	3.05	0.09576	0.01058	0.01346	0.00038	0.05158	0.00576	0.05	92.85	9.82	9.78	86.21	2.40	2.40	266.96	266.93	246.65	86.21	2.40	2.40	206Pb/238U concordant scans	26	31
511	178	2.87	0.08942	0.00775	0.01350	0.00041	0.04803	0.00419	0.12	86.96	7.23	7.21	86.46	2.58	2.58	100.71	201.41	200.10	86.46	2.58	2.58	206Pb/238U concordant scans	19	31
301	89	3.39	0.09006	0.01454	0.01351	0.00071	0.04833	0.00783	0.14	87.55	13.59	13.50	86.54	4.55	4.54	115.44	230.88	361.45	86.54	4.55	4.54	206Pb/238U concordant scans	17	31
261	70	3.71	0.09651	0.02372	0.01352	0.00069	0.05178	0.01289	0.03	93.55	22.08	21.84	86.56	4.36	4.36	275.68	551.37	525.03	86.56	4.36	4.36	206Pb/238U concordant scans	18	31
215	54	3.97	0.10067	0.01722	0.01352	0.00064	0.05399	0.00936	0.08	97.39	15.95	15.83	86.59	4.07	4.07	370.59	416.08	368.49	86.59	4.07	4.07	206Pb/238U concordant scans	16	31
785	375	2.09	0.08646	0.00827	0.01355	0.00042	0.04627	0.00444	0.13	84.20	7.75	7.72	86.78	2.65	2.65	11.75	23.51	222.84	86.78	2.65	2.65	206Pb/238U concordant scans	18	31
379	113	3.34	0.09599	0.01447	0.01357	0.00056	0.05129	0.00779	0.10	93.07	13.45	13.36	86.90	3.58	3.58	254.01	369.48	331.73	86.90	3.58	3.58	206Pb/238U concordant scans	22	31
228	49	4.63	0.09889	0.01646	0.01358	0.00062	0.05280	0.00894	0.06	95.75	15.27	15.15	86.98	3.92	3.92	320.09	409.59	363.53	86.98	3.92	3.92	206Pb/238U concordant scans	18	31
274	66	4.16	0.09793	0.01245	0.01361	0.00062	0.05218	0.00673	0.13	94.87	11.55	11.48	87.16	3.96	3.96	293.14	308.87	281.98	87.16	3.96	3.96	206Pb/238U concordant scans	22	31
321	66	4.87	0.09096	0.00919	0.01364	0.00055	0.04837	0.00497	0.14	88.40	8.57	8.53	87.33	3.52	3.52	117.42	234.84	233.82	87.33	3.52	3.52	206Pb/238U concordant scans	19	31
402	135	2.97	0.09311	0.01266	0.01366	0.00052	0.04943	0.00681	0.07	90.40	11.79	11.72	87.47	3.28	3.28	168.43	336.66	306.95	87.47	3.28	3.28	206Pb/238U concordant scans	18	31
387	166	2.33	0.10229	0.01343	0.01367	0.00048	0.05426	0.00723	0.06	98.89	12.41	12.33	87.55	3.06	3.05	381.67	314.33	286.37	87.55	3.06	3.05	206Pb/238U concordant scans	23	31
266	75	3.54	0.09344	0.01495	0.01368	0.00047	0.04953	0.00795	0.08	90.71	13.93	13.83	87.61	2.99	2.99	172.99	345.99	354.74	87.61	2.99	2.99	206Pb/238U concordant scans	17	31
195	46	4.29	0.09682	0.02222	0.01368	0.00064	0.05132	0.01183	0.07	93.84	20.68	20.47	87.61	4.08	4.08	255.21	510.43	490.83	87.61	4.08	4.08	206Pb/238U concordant scans	19	31
273	58	4.70	0.09065	0.01478	0.01368	0.00075	0.04805	0.00787	0.15	88.11	13.81	13.71	87.62	4.75	4.74	101.59	203.18	365.98	87.62	4.75	4.74	206Pb/238U concordant scans	14	31
549	201	2.73	0.09219	0.00868	0.01369	0.00045	0.04885	0.00460	0.15	89.54	8.08	8.05	87.64	2.89	2.89	140.46	229.12	214.13	87.64	2.89	2.89	206Pb/238U concordant scans	13	31
718	293	2.45	0.09769	0.00969	0.01373	0.00048	0.05162	0.00516	0.14	94.64	8.99	8.95	87.88	3.07	3.07	268.61	237.69	221.47	87.88	3.07	3.07	206Pb/238U concordant scans	17	31
293	78	3.73	0.09048	0.01770	0.01375	0.00059	0.04772	0.00944	0.05	87.95	16.55	16.42	88.04	3.73	3.72	85.40	170.79	438.46	88.04	3.73	3.72	206Pb/238U concordant scans	15	31
307	120	2.55	0.10051	0.01467	0.01375	0.00046	0.05301	0.00779	0.07	97.24	13.58	13.49	88.05	2.94	2.94	329.10	351.98	317.40	88.05	2.94	2.94	206Pb/238U concordant scans	20	31
171	36	4.69	0.10194	0.01865	0.01377	0.00061	0.05370	0.00983	0.11	98.57	17.25	17.11	88.16	3.86	3.86	358.30	442.17	388.84	88.16	3.86	3.86	206Pb/238U concordant scans	20	31
531	237	2.24	0.09301	0.00891	0.01377	0.00036	0.04898	0.00472	0.09	90.30	8.29	8.26	88.17	2.31	2.30	147.00	234.18	218.54	88.17	2.31	2.30	206Pb/238U concordant scans	22	31
197	63	3.15	0.09586	0.01496	0.01379	0.00069	0.05041	0.00808	0.06	92.95	13.91	13.81	88.29	4.37	4.36	214.13	393.80	351.31	88.29	4.37	4.36	206Pb/238U concordant scans	23	31
936	543	1.72	0.09397	0.00825	0.01380	0.00052	0.04940	0.00423	0.26	91.20	7.67	7.64	88.33	3.32	3.32	166.90	206.46	194.19	88.33	3.32	3.32	206Pb/238U concordant scans	16	31
309	100	3.10	0.08986	0.01742	0.01381	0.00068	0.04721	0.00932	0.05	87.37	16.30	16.17	88.39	4.33	4.33	59.66	119.33	439.51	88.39	4.33	4.33	206Pb/238U concordant scans	19	31
365	122	3.00	0.09868	0.01360	0.01381	0.00054	0.05183	0.00715	0.12	95.55	12.61	12.53	88.40	3.41	3.41	277.87	332.40	301.49	88.40	3.41	3.41	206Pb/238U concordant scans	26	31
168	65	2.57	0.09712	0.01650	0.01382	0.00067	0.05096	0.00878	0.09	94.11	15.33	15.22	88.49	4.27	4.27	239.18	423.42	374.61	88.49	4.27	4.27	206Pb/238U concordant scans	17	31
252	66	3.83	0.09580	0.01399	0.01383	0.00049	0.05023	0.00738	0.08	92.89	13.01	12.93	88.56	3.09	3.09	205.63	360.13	324.29	88.56	3.09	3.09	206Pb/238U concordant scans	19	31
333	77	4.31	0.09162	0.02067	0.01384	0.00069	0.04803	0.01093	0.06	89.01	19.32	19.14	88.58	4.40	4.40	100.69	201.38	498.39	88.58	4.40	4.40	206Pb/238U concordant scans	6	31
344	81	4.23	0.09141	0.01409	0.01391	0.00046	0.04765	0.00729	0.13	88.82	13.15	13.06	89.07	2.93	2.93	81.99	163.98	344.27	89.07	2.93	2.93	206Pb/238U concordant scans	21	31
171	39	4.32	0.09992	0.02274	0.01391	0.00071	0.05208	0.01197	0.06	96.70	21.10	20.89	89.08	4.50	4.50	288.87	572.72	486.62	89.08	4.50	4.50	206Pb/238U concordant scans	16	31
362	135	2.69	0.09600	0.01107	0.01394	0.00047	0.04997	0.00576	0.13	93.08	10.28	10.23	89.21	2.97	2.96	193.42	279.74	257.64	89.21	2.97	2.96	206Pb/238U concordant scans	17	31
591	287	2.06	0.09031	0.00777	0.01394	0.00042	0.04698	0.00401	0.18	87.79	7.25	7.22	89.25	2.70	2.70	48.45	96.90	197.98	89.25	2.70	2.70	206Pb/238U concordant scans	15	31
306	98	3.13	0.09101	0.01981	0.01395	0.00050	0.04732	0.01035	0.05	88.44	18.52	18.36	89.29	3.21	3.21	65.65	131.30	483.05	89.29	3.21	3.21	206Pb/238U concordant scans	17	31
290	99	2.93	0.09353	0.02081	0.01396	0.00057	0.04861	0.01081	0.09	90.78	19.42	19.23	89.34	3.61	3.61	128.91	257.82	485.17	89.34	3.61	3.61	206Pb/238U concordant scans	18	31
341	105	3.23	0.08940	0.01085	0.01398	0.00049	0.04638	0.00575	0.05	86.95	10.13	10.08	89.50	3.09	3.09	17.50	35.01	285.15	89.50	3.09	3.09	206Pb/238U concordant scans	20	31
415	160	2.59	0.09742	0.01107	0.01398	0.00052	0.05053	0.00585	0.09	94.39	10.27	10.22	89.52	3.33	3.33	219.37	279.60	257.49	89.52	3.33	3.33	206Pb/238U concordant scans	15	31
715	344	2.08	0.09634	0.01105	0.01399	0.00064	0.04993	0.00580	0.15	93.39	10.26	10.20	89.58	4.08	4.08	191.79	281.93	259.50	89.58	4.08	4.08	206Pb/238U concordant scans	16	31
227	72	3.16	0.09811	0.01924	0.01399	0.00062	0.05085	0.01001	0.09	95.03	17.87	17.71	89.59	3.92	3.92	233.89	467.78	425.14	89.59	3.92	3.92	206Pb/238U concordant scans	20	31
207	45	4.63	0.10734	0.01427	0.01401	0.00074	0.05557	0.00767	0.09	103.53	13.13	13.05	89.68	4.69	4.69	435.32	323.19	293.62	89.68	4.69	4.69	206Pb/238U concordant scans	23	31
357	164	2.18	0.09689	0.01190	0.01404	0.00064	0.05006	0.00631	0.10	93.90	11.05	10.99	89.87	4.08	4.08	197.66	306.82	280.43	89.87	4.08	4.08	206Pb/238U concordant scans	11	30
194	42	4.66	0.09905	0.01478	0.01404	0.00065	0.05117	0.00776	0.09	95.90	13.70	13.61	89.87	4.12	4.12	248.58	369.39	331.68	89.87	4.12	4.12	206Pb/238U concordant scans	27	31
160	36	4.43	0.09672	0.02191	0.01407	0.00110	0.04984	0.01103	0.24	93.74	20.38	20.18	90.09	7.02	7.02	187.63	375.26	478.25	90.09	7.02	7.02	206Pb/238U concordant scans	15	31
376	139	2.71	0.09421	0.01171	0.01409	0.00092	0.04849	0.00619	0.20	91.42	10.90	10.84	90.21	5.84	5.84	123.14	246.29	287.82	90.21	5.84	5.84	206Pb/238U concordant scans	12	31
333	131	2.54	0.09355	0.01209	0.01412	0.00061	0.04804	0.00625	0.13	90.80	11.26	11.20	90.41	3.86	3.86	101.23	202.46	294.14	90.41	3.86	3.86	206Pb/238U concordant scans	12	31
231	69	3.33	0.09688	0.01537	0.01415	0.00068	0.04966	0.00809	0.05	93.89	14.28	14.18	90.57	4.32	4.32	179.12	358.25	359.15	90.57	4.32	4.32	206Pb/238U concordant scans	21	31
290	73	3.99	0.09846	0.01659	0.01417	0.00074	0.05039	0.00868	0.07	95.35	15.39	15.28	90.71	4.71	4.71	213.06	425.52	376.33	90.71	4.71	4.71	206Pb/238U concordant scans	20	31
364	134	2.71	0.09494	0.01183	0.01417	0.00049	0.04857	0.00610	0.09	92.09	11.00	10.94	90.74	3.11	3.11	127.37	254.73	282.79	90.74	3.11	3.11	206Pb/238U concordant scans	14	31
526	180	2.92	0.09846	0.00915	0.01418	0.00044	0.05038	0.00480	0.06	95.36	8.48	8.44	90.74	2.78	2.78	212.35	228.71	213.71	90.74	2.78	2.78	206Pb/238U concordant scans	16	31
507	187	2.71	0.09744	0.01187	0.01418	0.00056	0.04984	0.00601	0.18	94.41	11.01	10.95	90.76	3.53	3.53	187.51	293.43	269.22	90.76	3.53	3.53	206Pb/238U concordant scans	27	31
285	63	4.53	0.09411	0.01947	0.01419	0.00071	0.04812	0.00985	0.16	91.33	18.15	17.99	90.80	4.54	4.53	105.03	210.07	450.95	90.80	4.54	4.53	206Pb/238U concordant scans	16	31
227	62	3.68	0.09730	0.01456	0.01419	0.00044	0.04972	0.00743	0.10	94.28	13.52	13.43	90.84	2.83	2.83	182.13	364.06	330.90	90.84	2.83	2.83	206Pb/238U concordant scans	26	31
189	37	5.16	0.10412	0.02297	0.01422	0.00071	0.05312	0.01176	0.09	100.57	21.23	21.01	90.99	4.52	4.52	333.92	544.88	466.18	90.99	4.52	4.52	206Pb/238U concordant scans	19	31
151	42	3.55	0.09167	0.02259	0.01422	0.00081	0.04675	0.01173	0.03	89.06	21.12	20.90	91.04	5.15	5.14	36.31	72.62	551.49	91.04	5.15	5.14	206Pb/238U concordant scans	17	31
504	175	2.88	0.09682	0.01010	0.01424	0.00049	0.04931	0.00527	0.06	93.84	9.38	9.33	91.16	3.10	3.10	162.37	260.11	240.93	91.16	3.10	3.10	206Pb/238U concordant scans	20	31
254	75	3.40	0.09206	0.01557	0.01426	0.00080	0.04682	0.00804	0.11	89.42	14.53	14.43	91.28	5.10	5.09	40.16	80.32	387.10	91.28	5.10	5.09	206Pb/238U concordant scans	15	31

78	13	6.01	0.11611	0.04024	0.01433	0.00143	0.05878	0.02102	0.03	111.54	36.95	36.28	91.69	9.08	9.07	559.09	893.01	696.94	91.69	9.08	9.07	206Pb/238U concordant scans	10	31
288	100	2.87	0.09434	0.01955	0.01437	0.00067	0.04760	0.00987	0.10	91.54	18.22	18.06	92.00	4.24	4.23	79.60	159.21	458.77	92.00	4.24	4.23	206Pb/238U concordant scans	16	31
427	178	2.40	0.09910	0.01149	0.01437	0.00040	0.05000	0.00579	0.11	95.95	10.64	10.59	92.00	2.52	2.52	195.07	280.62	258.39	92.00	2.52	2.52	206Pb/238U concordant scans	23	31
394	124	3.19	0.10557	0.01597	0.01443	0.00053	0.05307	0.00804	0.11	101.91	14.72	14.62	92.33	3.37	3.37	331.99	362.96	326.30	92.33	3.37	3.37	206Pb/238U concordant scans	12	31
307	88	3.47	0.11046	0.01320	0.01449	0.00062	0.05528	0.00660	0.17	106.39	12.11	12.04	92.76	3.97	3.97	423.39	278.08	255.92	92.76	3.97	3.97	206Pb/238U concordant scans	26	31
275	75	3.69	0.09982	0.01075	0.01458	0.00064	0.04966	0.00544	0.14	96.61	9.95	9.90	93.30	4.06	4.06	179.26	265.98	245.94	93.30	4.06	4.06	206Pb/238U concordant scans	15	31
213	67	3.17	0.09496	0.01615	0.01460	0.00079	0.04717	0.00801	0.15	92.12	15.03	14.92	93.45	5.00	5.00	57.67	115.34	381.93	93.45	5.00	5.00	206Pb/238U concordant scans	19	31
334	105	3.20	0.09848	0.01840	0.01465	0.00075	0.04874	0.00904	0.16	95.37	17.08	16.94	93.78	4.77	4.77	135.41	270.83	409.19	93.78	4.77	4.77	206Pb/238U concordant scans	15	31
272	69	3.94	0.10201	0.01145	0.01471	0.00062	0.05031	0.00578	0.11	98.63	10.57	10.52	94.12	3.94	3.94	209.13	278.10	256.22	94.12	3.94	3.94	206Pb/238U concordant scans	15	31
412	215	1.91	0.09673	0.00856	0.01474	0.00050	0.04761	0.00426	0.13	93.76	7.94	7.91	94.31	3.15	3.15	79.75	159.50	205.97	94.31	3.15	3.15	206Pb/238U concordant scans	20	31
526	173	3.04	0.09901	0.01114	0.01474	0.00043	0.04873	0.00547	0.12	95.86	10.32	10.27	94.31	2.71	2.71	134.63	269.27	253.80	94.31	2.71	2.71	206Pb/238U concordant scans	19	31
305	101	3.02	0.09960	0.01324	0.01481	0.00063	0.04878	0.00656	0.11	96.41	12.26	12.19	94.76	3.98	3.97	137.29	274.58	301.75	94.76	3.98	3.97	206Pb/238U concordant scans	17	31
704	500	1.41	0.10139	0.00687	0.01486	0.00037	0.04947	0.00334	0.16	98.06	6.34	6.32	95.11	2.32	2.32	170.27	161.42	153.82	95.11	2.32	2.32	206Pb/238U concordant scans	24	31
204	47	4.29	0.10774	0.01803	0.01492	0.00070	0.05238	0.00896	0.04	103.89	16.60	16.46	95.46	4.42	4.42	301.87	415.58	368.28	95.46	4.42	4.42	206Pb/238U concordant scans	20	31
381	122	3.14	0.10222	0.00943	0.01492	0.00076	0.04968	0.00465	0.24	98.82	8.71	8.67	95.49	4.86	4.85	179.89	225.75	211.15	95.49	4.86	4.85	206Pb/238U concordant scans	12	31
427	149	2.86	0.10390	0.01530	0.01499	0.00075	0.05027	0.00754	0.11	100.37	14.12	14.02	95.90	4.74	4.74	207.71	367.58	330.31	95.90	4.74	4.74	206Pb/238U concordant scans	9	31
1586	753	2.11	0.10505	0.01072	0.01508	0.00049	0.05052	0.00511	0.18	101.43	9.88	9.83	96.49	3.12	3.12	219.12	242.82	225.97	96.49	3.12	3.12	206Pb/238U concordant scans	10	31
148	37	4.02	0.10659	0.02546	0.01519	0.00119	0.05089	0.01230	0.12	102.84	23.49	23.22	97.19	7.53	7.52	235.80	471.59	514.57	97.19	7.53	7.52	206Pb/238U concordant scans	9	31
402	156	2.58	0.10610	0.01134	0.01519	0.00058	0.05064	0.00545	0.14	102.39	10.44	10.38	97.22	3.70	3.70	224.56	258.89	239.81	97.22	3.70	3.70	206Pb/238U concordant scans	22	31
62	13	4.91	0.12247	0.03623	0.01583	0.00146	0.05612	0.01729	0.02	117.31	33.04	32.51	101.23	9.24	9.24	457.23	767.71	619.08	101.23	9.24	9.24	206Pb/238U concordant scans	14	31
502	200	2.51	0.12256	0.01329	0.01717	0.00053	0.05177	0.00558	0.15	117.39	12.06	11.99	109.74	3.37	3.37	275.43	256.93	238.07	109.74	3.37	3.37	206Pb/238U concordant scans	20	31
1571	971	1.62	0.23752	0.00968	0.03368	0.00096	0.05114	0.00195	0.40	216.38	7.96	7.93	213.57	6.01	6.01	247.16	88.80	86.44	213.57	6.01	6.01	206Pb/238U concordant scans	29	31
1301	627	2.08	0.23549	0.01145	0.03406	0.00071	0.05014	0.00238	0.23	214.72	9.43	9.39	215.94	4.44	4.44	201.41	111.89	108.17	215.94	4.44	4.44	206Pb/238U concordant scans	27	31
563	164	3.43	0.24466	0.01475	0.03419	0.00108	0.05190	0.00313	0.23	222.23	12.07	12.00	216.70	6.72	6.72	281.19	140.97	135.10	216.70	6.72	6.72	206Pb/238U concordant scans	16	31
531	153	3.46	0.24255	0.01356	0.03431	0.00081	0.05127	0.00288	0.15	220.50	11.11	11.05	217.47	5.08	5.08	252.97	131.92	126.77	217.47	5.08	5.08	206Pb/238U concordant scans	24	31
306	99	3.10	0.24833	0.01602	0.03464	0.00104	0.05199	0.00328	0.26	225.22	13.07	12.99	219.55	6.46	6.45	284.83	147.52	141.10	219.55	6.46	6.45	206Pb/238U concordant scans	19	31
401	169	2.36	0.25143	0.01471	0.03510	0.00081	0.05196	0.00306	0.13	227.74	11.97	11.90	222.37	5.06	5.05	283.53	137.60	132.00	222.37	5.06	5.05	206Pb/238U concordant scans	23	31
701	319	2.20	0.24948	0.01338	0.03563	0.00103	0.05079	0.00249	0.41	226.15	10.90	10.84	225.67	6.42	6.41	231.10	115.45	111.50	225.67	6.42	6.41	206Pb/238U concordant scans	28	31
1115	399	2.80	0.51065	0.02068	0.06603	0.00163	0.05609	0.00201	0.46	418.89	13.95	13.85	412.20	9.87	9.86	455.88	80.57	78.59	412.20	9.87	9.86	206Pb/238U concordant scans	31	31
194	196	0.99	0.69413	0.04447	0.08667	0.00296	0.05808	0.00355	0.33	535.28	26.83	26.48	535.83	17.59	17.57	532.91	136.67	131.06	535.83	17.59	17.57	206Pb/238U concordant scans	25	31
443	180	2.46	0.91577	0.03740	0.10476	0.00285	0.06340	0.00227	0.48	660.12	19.92	19.73	642.27	16.67	16.64	721.58	77.04	75.20	642.27	16.67	16.64	206Pb/238U concordant scans	31	31
388	59	6.54	1.33440	0.05217	0.14263	0.00362	0.06785	0.00239	0.44	860.79	22.82	22.56	859.52	20.44	20.41	864.08	73.79	72.09	859.52	20.44	20.41	206Pb/238U concordant scans	31	31
146	73	2.00	1.53232	0.09777	0.15645	0.00457	0.07103	0.00444	0.24	943.43	39.58	38.83	937.02	25.50	25.45	958.42	130.43	125.18	937.02	25.50	25.45	206Pb/238U concordant scans	24	31
123	62	1.98	1.65308	0.06803	0.16618	0.00421	0.07214	0.00284	0.33	990.73	26.20	25.87	991.05	23.27	23.23	990.03	81.03	78.97	991.05	23.27	23.23	206Pb/238U concordant scans	25	31
285	148	1.92	2.25782	0.09115	0.20399	0.00543	0.08028	0.00273	0.54	1199.23	28.61	28.21	1196.70	29.13	29.06	1203.78	67.68	66.22	1199.23	28.61	28.21	207Pb/235Uc concordant scans	31	31
58	20	2.91	2.30052	0.15888	0.20591	0.01068	0.08103	0.00546	0.39	1212.45	49.48	48.30	1207.00	57.20	56.95	1222.16	135.26	129.54	1212.45	49.48	48.30	207Pb/235Uc concordant scans	24	31
136	27	5.06	3.88645	0.17906	0.26822	0.00787	0.10509	0.00439	0.44	1610.87	37.55	36.87	1531.77	40.05	39.93	1715.87	77.81	75.83	1610.87	37.55	36.87	207Pb/235Uc concordant scans	23	31
63	41	1.56	4.07235	0.30626	0.29440	0.01721	0.10032	0.00598	0.62	1648.78	62.25	60.40	1663.49	86.02	85.45	1630.09	112.92	108.82	1648.78	62.25	60.40	207Pb/235Uc concordant scans	24	31
276	177	1.56	4.42394	0.14750	0.30213	0.00635	0.10620	0.00338	0.31	1716.83	27.80	27.43	1701.87	31.46	31.38	1735.13	59.02	57.88	1716.83	27.80	27.43	207Pb/235Uc concordant scans	27	31
143	71	2.01	12.60808	0.39404	0.50362	0.01111	0.18157	0.00478	0.54	2650.82	29.62	29.19	2629.34	47.72	47.55	2667.26	43.91	43.25	2650.82	29.62	29.19	207Pb/235Uc concordant scans	28	31
44	18	2.45	11.79331	1.81482	0.45249	0.06982	0.18903	0.01310	0.90	2588.13	149.40	139.16	2406.32	313.67	306.22	2733.71	116.39	111.84	2733.71	116.39	111.84	207Pb/206Pb concordant scans	5	31
0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0

Data Repository Item E - U-Pb zircon analytical results from Cantwell Formation bentonites

Mineral	**Zircon**
Sample Name	**01LTC**
A2Z Name	**1413-05**

	Uranium and Thorium			Concordant Scans: Isotopic Ratios							Concordant Scans: Ages									Preferred Age					
Analysis Name	**[U] (ppm)**	**[Th] (ppm)**	**U/Th**	**207Pb/235Uc**	**2 sigma**	**206Pb/238U**	**2 sigma**	**207Pb/206Pb**	**2 sigma**	**Error Correlation**	**207Pb/235U**	**2 -sigma**	**2 +sigma**	**206Pb/238U**	**2 -sigma**	**2 +sigma**	**207Pb/206Pb**	**2 -sigma**	**2 +sigma**	**Preferred Age (Ma)**	**2 -sigma**	**2 +sigma**	**Age Type**	**Concordant**	**Total Scans**
P1413_005_Zrn_A_1_MBD_16	860	304	2.83	0.06112	0.00513	0.00892	0.00032	0.04972	0.00434	0.09	60.24	4.91	4.90	57.22	2.06	2.06	182.05	210.07	197.37	57.22	2.06	2.06	206Pb/238U concordant scans	20	31
P1413_005_Zrn_A_1_MBD_76	157	43	3.69	0.06754	0.02117	0.00976	0.00089	0.05021	0.01584	0.12	66.36	20.23	20.03	62.58	5.71	5.71	204.86	409.72	659.67	62.58	5.71	5.71	206Pb/238U concordant scans	10	31
P1413_005_Zrn_A_1_MBD_73	839	947	0.89	0.06564	0.00626	0.00994	0.00050	0.04789	0.00427	0.38	64.55	5.97	5.96	63.77	3.20	3.20	93.77	187.53	204.77	63.77	3.20	3.20	206Pb/238U concordant scans	19	31
P1413_005_Zrn_A_1_MBD_87	183	42	4.34	0.06656	0.01076	0.01006	0.00072	0.04799	0.00827	0.06	65.43	10.27	10.22	64.53	4.63	4.62	98.57	197.14	384.34	64.53	4.63	4.62	206Pb/238U concordant scans	17	31
P1413_005_Zrn_A_1_MBD_86	908	731	1.24	0.07244	0.00790	0.01012	0.00053	0.05189	0.00552	0.28	71.01	7.49	7.47	64.93	3.38	3.38	280.76	253.17	234.84	64.93	3.38	3.38	206Pb/238U concordant scans	17	31
P1413_005_Zrn_A_1_MBD_6	167	67	2.50	0.06550	0.01496	0.01013	0.00070	0.04688	0.01100	0.05	64.42	14.30	14.20	65.00	4.49	4.49	42.95	85.91	518.08	65.00	4.49	4.49	206Pb/238U concordant scans	12	31
P1413_005_Zrn_A_1_MBD_96	247	82	3.03	0.07937	0.02244	0.01015	0.00066	0.05671	0.01616	0.08	77.56	21.22	21.00	65.11	4.19	4.19	480.15	700.44	574.47	65.11	4.19	4.19	206Pb/238U concordant scans	14	31
P1413_005_Zrn_A_1_MBD_10	422	241	1.75	0.06723	0.00888	0.01015	0.00040	0.04802	0.00646	0.07	66.07	8.46	8.43	65.13	2.53	2.53	100.17	200.35	303.69	65.13	2.53	2.53	206Pb/238U concordant scans	12	31
P1413_005_Zrn_A_1_MBD_58	100	31	3.19	0.07074	0.01724	0.01018	0.00076	0.05038	0.01270	0.03	69.40	16.41	16.28	65.32	4.86	4.86	212.35	424.70	537.05	65.32	4.86	4.86	206Pb/238U concordant scans	20	31
P1413_005_Zrn_A_1_MBD_1	272	138	1.98	0.07218	0.01167	0.01023	0.00042	0.05117	0.00832	0.10	70.77	11.08	11.02	65.61	2.71	2.70	248.59	397.45	354.12	65.61	2.71	2.70	206Pb/238U concordant scans	25	31
P1413_005_Zrn_A_1_MBD_85	418	253	1.65	0.07214	0.00899	0.01026	0.00043	0.05100	0.00638	0.14	70.73	8.53	8.50	65.80	2.73	2.74	240.89	301.80	276.16	65.80	2.73	2.74	206Pb/238U concordant scans	19	31
P1413_005_Zrn_A_1_MBD_0	97	24	4.13	0.07817	0.10480	0.01032	0.00167	0.05491	0.07393	0.02	76.42	101.18	96.38	66.22	10.66	10.65	408.49	816.98	2112.49	66.22	10.66	10.65	206Pb/238U concordant scans	4	31
P1413_005_Zrn_A_1_MBD_19	430	274	1.57	0.06925	0.01071	0.01034	0.00044	0.04858	0.00748	0.14	67.99	10.20	10.15	66.31	2.79	2.79	127.53	255.06	343.76	66.31	2.79	2.79	206Pb/238U concordant scans	19	31
P1413_005_Zrn_A_1_MBD_92	202	76	2.68	0.07406	0.01666	0.01039	0.00057	0.05168	0.01180	0.05	72.54	15.81	15.69	66.65	3.64	3.64	271.34	542.68	484.88	66.65	3.64	3.64	206Pb/238U concordant scans	15	31
P1413_005_Zrn_A_1_MBD_110	143	51	2.81	0.07456	0.01369	0.01041	0.00062	0.05195	0.00988	0.04	73.02	12.98	12.89	66.76	3.98	3.98	283.17	466.97	408.14	66.76	3.98	3.98	206Pb/238U concordant scans	21	31
P1413_005_Zrn_A_1_MBD_75	383	176	2.17	0.06838	0.00671	0.01044	0.00040	0.04748	0.00463	0.20	67.16	6.39	6.37	66.98	2.52	2.52	73.67	147.33	223.94	66.98	2.52	2.52	206Pb/238U concordant scans	21	31
P1413_005_Zrn_A_1_MBD_119	236	98	2.41	0.08383	0.01612	0.01047	0.00060	0.05810	0.01113	0.16	81.74	15.16	15.05	67.11	3.85	3.85	533.41	449.38	393.85	67.11	3.85	3.85	206Pb/238U concordant scans	19	31
P1413_005_Zrn_A_1_MBD_83	163	54	3.03	0.07328	0.00950	0.01050	0.00078	0.05063	0.00703	0.15	71.81	9.01	8.97	67.32	5.00	5.00	224.12	337.90	306.11	67.32	5.00	5.00	206Pb/238U concordant scans	15	31
P1413_005_Zrn_A_1_MBD_17	301	105	2.87	0.07251	0.01305	0.01051	0.00052	0.05003	0.00913	0.08	71.08	12.39	12.32	67.42	3.33	3.33	196.17	392.34	398.70	67.42	3.33	3.33	206Pb/238U concordant scans	14	31
P1413_005_Zrn_A_1_MBD_48	404	155	2.61	0.06753	0.00978	0.01055	0.00053	0.04642	0.00681	0.13	66.35	9.32	9.28	67.66	3.40	3.40	19.43	38.86	334.83	67.66	3.40	3.40	206Pb/238U concordant scans	14	31
P1413_005_Zrn_A_1_MBD_116	118	58	2.03	0.07807	0.02003	0.01055	0.00068	0.05366	0.01393	0.08	76.33	18.96	18.78	67.67	4.36	4.36	356.69	646.19	538.22	67.67	4.36	4.36	206Pb/238U concordant scans	18	31
P1413_005_Zrn_A_1_MBD_52	445	301	1.48	0.07530	0.01027	0.01056	0.00048	0.05171	0.00720	0.09	73.72	9.72	9.67	67.73	3.06	3.06	272.47	335.88	304.36	67.73	3.06	3.06	206Pb/238U concordant scans	22	31
P1413_005_Zrn_A_1_MBD_64	297	181	1.64	0.07640	0.01259	0.01058	0.00041	0.05239	0.00878	0.03	74.76	11.91	11.84	67.82	2.62	2.62	302.60	406.30	360.98	67.82	2.62	2.62	206Pb/238U concordant scans	21	31
P1413_005_Zrn_A_1_MBD_45	334	147	2.27	0.07939	0.02169	0.01059	0.00054	0.05435	0.01495	0.05	77.57	20.51	20.30	67.94	3.44	3.44	385.49	685.49	565.00	67.94	3.44	3.44	206Pb/238U concordant scans	16	31
P1413_005_Zrn_A_1_MBD_114	173	53	3.23	0.07305	0.01258	0.01060	0.00079	0.04996	0.00909	0.07	71.59	11.94	11.87	68.00	5.02	5.01	193.19	386.38	397.53	68.00	5.02	5.01	206Pb/238U concordant scans	12	31
P1413_005_Zrn_A_1_MBD_60	472	258	1.83	0.07057	0.00692	0.01061	0.00041	0.04824	0.00485	0.11	69.24	6.57	6.55	68.04	2.61	2.60	110.89	221.78	228.98	68.04	2.61	2.60	206Pb/238U concordant scans	19	31
P1413_005_Zrn_A_1_MBD_95	179	47	3.82	0.07377	0.02188	0.01064	0.00075	0.05030	0.01496	0.10	72.27	20.79	20.58	68.21	4.76	4.76	208.73	417.46	625.14	68.21	4.76	4.76	206Pb/238U concordant scans	14	31
P1413_005_Zrn_A_1_MBD_105	179	46	3.89	0.07195	0.01179	0.01067	0.00044	0.04892	0.00813	0.05	70.55	11.20	11.14	68.41	2.83	2.83	143.87	287.74	368.46	68.41	2.83	2.83	206Pb/238U concordant scans	22	31
P1413_005_Zrn_A_1_MBD_31	222	93	2.40	0.07747	0.01362	0.01068	0.00040	0.05259	0.00927	0.08	75.76	12.87	12.79	68.50	2.58	2.58	311.32	428.23	378.16	68.50	2.58	2.58	206Pb/238U concordant scans	23	31
P1413_005_Zrn_A_1_MBD_41	622	508	1.22	0.07334	0.00784	0.01072	0.00036	0.04963	0.00525	0.18	71.86	7.43	7.41	68.72	2.30	2.30	177.77	256.24	237.59	68.72	2.30	2.30	206Pb/238U concordant scans	19	31
P1413_005_Zrn_A_1_MBD_65	222	66	3.36	0.07846	0.01060	0.01073	0.00044	0.05302	0.00731	0.07	76.70	10.00	9.95	68.82	2.83	2.82	329.64	328.86	298.48	68.82	2.83	2.82	206Pb/238U concordant scans	17	31
P1413_005_Zrn_A_1_MBD_46	308	314	0.98	0.07551	0.01378	0.01075	0.00046	0.05096	0.00927	0.12	73.91	13.05	12.97	68.91	2.96	2.96	239.02	449.11	394.57	68.91	2.96	2.96	206Pb/238U concordant scans	17	31
P1413_005_Zrn_A_1_MBD_67	256	89	2.87	0.08129	0.01565	0.01079	0.00056	0.05466	0.01076	0.04	79.36	14.75	14.65	69.17	3.57	3.57	398.27	474.58	413.53	69.17	3.57	3.57	206Pb/238U concordant scans	14	31
P1413_005_Zrn_A_1_MBD_111	275	126	2.19	0.08300	0.01210	0.01080	0.00036	0.05573	0.00817	0.07	80.96	11.38	11.31	69.26	2.32	2.32	441.64	343.82	310.53	69.26	2.32	2.32	206Pb/238U concordant scans	25	31
P1413_005_Zrn_A_1_MBD_29	188	68	2.77	0.06994	0.02022	0.01081	0.00099	0.04694	0.01328	0.22	68.64	19.28	19.10	69.29	6.29	6.29	46.04	92.08	614.64	69.29	6.29	6.29	206Pb/238U concordant scans	13	31
P1413_005_Zrn_A_1_MBD_99	189	65	2.90	0.07706	0.01441	0.01083	0.00064	0.05161	0.00972	0.13	75.38	13.63	13.54	69.44	4.05	4.05	268.06	463.31	405.39	69.44	4.05	4.05	206Pb/238U concordant scans	18	31
P1413_005_Zrn_A_1_MBD_98	312	108	2.89	0.07349	0.00577	0.01092	0.00052	0.04882	0.00368	0.36	72.01	5.46	5.45	70.00	3.34	3.34	139.03	182.03	172.44	70.00	3.34	3.34	206Pb/238U concordant scans	13	31
P1413_005_Zrn_A_1_MBD_74	270	81	3.34	0.07777	0.01310	0.01092	0.00063	0.05163	0.00886	0.11	76.05	12.38	12.30	70.04	4.04	4.04	269.19	419.13	371.16	70.04	4.04	4.04	206Pb/238U concordant scans	18	31
P1413_005_Zrn_A_1_MBD_88	209	92	2.29	0.07599	0.01396	0.01093	0.00051	0.05042	0.00925	0.13	74.37	13.22	13.13	70.09	3.28	3.28	214.24	428.47	399.47	70.09	3.28	3.28	206Pb/238U concordant scans	15	31
P1413_005_Zrn_A_1_MBD_7	322	131	2.46	0.07637	0.00914	0.01093	0.00063	0.05065	0.00621	0.18	74.73	8.64	8.60	70.11	4.03	4.03	225.06	296.44	271.69	70.11	4.03	4.03	206Pb/238U concordant scans	14	31
P1413_005_Zrn_A_1_MBD_101	196	95	2.08	0.07830	0.01620	0.01094	0.00060	0.05191	0.01086	0.08	76.54	15.32	15.20	70.14	3.81	3.80	281.42	517.74	446.40	70.14	3.81	3.80	206Pb/238U concordant scans	20	31
P1413_005_Zrn_A_1_MBD_28	205	87	2.36	0.07411	0.01183	0.01094	0.00041	0.04912	0.00779	0.14	72.60	11.22	11.15	70.16	2.62	2.62	153.46	306.91	351.97	70.16	2.62	2.62	206Pb/238U concordant scans	22	31
P1413_005_Zrn_A_1_MBD_35	428	175	2.44	0.07325	0.00730	0.01095	0.00042	0.04854	0.00484	0.17	71.78	6.92	6.89	70.17	2.66	2.66	125.76	243.75	226.87	70.17	2.66	2.66	206Pb/238U concordant scans	19	31
P1413_005_Zrn_A_1_MBD_107	940	649	1.45	0.07462	0.00568	0.01098	0.00035	0.04928	0.00372	0.20	73.08	5.37	5.36	70.41	2.22	2.22	161.18	181.32	171.80	70.41	2.22	2.22	206Pb/238U concordant scans	22	31
P1413_005_Zrn_A_1_MBD_5	248	82	3.04	0.07484	0.00888	0.01099	0.00043	0.04940	0.00599	0.08	73.28	8.41	8.38	70.44	2.71	2.71	166.95	296.33	271.68	70.44	2.71	2.71	206Pb/238U concordant scans	20	31
P1413_005_Zrn_A_1_MBD_24	250	104	2.40	0.08130	0.01196	0.01099	0.00053	0.05363	0.00798	0.12	79.36	11.26	11.20	70.49	3.38	3.38	355.46	354.81	319.65	70.49	3.38	3.38	206Pb/238U concordant scans	21	31
P1413_005_Zrn_A_1_MBD_56	324	152	2.12	0.07787	0.01211	0.01101	0.00049	0.05131	0.00816	0.05	76.14	11.44	11.37	70.57	3.14	3.14	254.67	387.77	346.40	70.57	3.14	3.14	206Pb/238U concordant scans	25	31
P1413_005_Zrn_A_1_MBD_47	366	180	2.03	0.07609	0.01048	0.01101	0.00048	0.05012	0.00677	0.21	74.47	9.91	9.87	70.59	3.09	3.09	200.61	329.88	299.56	70.59	3.09	3.09	206Pb/238U concordant scans	22	31
P1413_005_Zrn_A_1_MBD_44	396	142	2.79	0.07950	0.01243	0.01102	0.00048	0.05234	0.00824	0.11	77.67	11.73	11.66	70.62	3.08	3.08	300.32	380.18	340.22	70.62	3.08	3.08	206Pb/238U concordant scans	13	31
P1413_005_Zrn_A_1_MBD_109	254	103	2.47	0.07348	0.01259	0.01102	0.00051	0.04838	0.00845	0.05	72.00	11.94	11.87	70.63	3.26	3.26	117.81	235.61	387.81	70.63	3.26	3.26	206Pb/238U concordant scans	14	31
P1413_005_Zrn_A_1_MBD_23	160	67	2.40	0.07436	0.01880	0.01103	0.00045	0.04889	0.01239	0.06	72.83	17.84	17.69	70.73	2.88	2.88	142.46	284.93	546.21	70.73	2.88	2.88	206Pb/238U concordant scans	20	31
P1413_005_Zrn_A_1_MBD_30	247	101	2.44	0.08045	0.01157	0.01106	0.00050	0.05277	0.00768	0.10	78.56	10.90	10.84	70.88	3.16	3.16	319.02	349.00	315.00	70.88	3.16	3.16	206Pb/238U concordant scans	23	31
P1413_005_Zrn_A_1_MBD_25	737	382	1.93	0.07837	0.00885	0.01106	0.00046	0.05137	0.00566	0.24	76.61	8.35	8.32	70.93	2.92	2.92	257.52	263.48	243.70	70.93	2.92	2.92	206Pb/238U concordant scans	17	31
P1413_005_Zrn_A_1_MBD_94	211	68	3.08	0.07785	0.01162	0.01107	0.00051	0.05100	0.00774	0.09	76.13	10.98	10.92	70.99	3.25	3.25	240.64	370.27	332.40	70.99	3.25	3.25	206Pb/238U concordant scans	25	31
P1413_005_Zrn_A_1_MBD_15	233	96	2.42	0.07814	0.02136	0.01108	0.00064	0.05117	0.01418	0.03	76.39	20.22	20.02	71.01	4.09	4.09	248.32	496.65	582.31	71.01	4.09	4.09	206Pb/238U concordant scans	10	31
P1413_005_Zrn_A_1_MBD_3	279	139	2.01	0.07817	0.02203	0.01111	0.00067	0.05104	0.01446	0.08	76.42	20.85	20.64	71.21	4.29	4.28	242.48	484.96	594.70	71.21	4.29	4.28	206Pb/238U concordant scans	10	31
P1413_005_Zrn_A_1_MBD_2	217	61	3.54	0.07664	0.00973	0.01113	0.00044	0.04994	0.00651	0.05	74.98	9.20	9.16	71.35	2.81	2.81	192.29	318.04	289.78	71.35	2.81	2.81	206Pb/238U concordant scans	31	31
P1413_005_Zrn_A_1_MBD_32	330	118	2.80	0.07576	0.00941	0.01115	0.00046	0.04929	0.00623	0.09	74.15	8.90	8.86	71.46	2.91	2.91	161.69	309.84	283.01	71.46	2.91	2.91	206Pb/238U concordant scans	18	31
P1413_005_Zrn_A_1_MBD_4	945	905	1.04	0.07503	0.00676	0.01117	0.00031	0.04870	0.00438	0.13	73.46	6.40	6.38	71.64	1.97	1.97	133.35	218.81	205.11	71.64	1.97	1.97	206Pb/238U concordant scans	23	31
P1413_005_Zrn_A_1_MBD_20	176	46	3.87	0.08781	0.01829	0.01120	0.00062	0.05688	0.01201	0.07	85.46	17.15	17.00	71.78	3.97	3.97	486.78	503.64	435.08	71.78	3.97	3.97	206Pb/238U concordant scans	18	31
P1413_005_Zrn_A_1_MBD_115	159	41	3.89	0.07249	0.01261	0.01121	0.00085	0.04691	0.00868	0.06	71.06	11.98	11.91	71.85	5.39	5.39	44.62	89.24	414.78	71.85	5.39	5.39	206Pb/238U concordant scans	13	31
P1413_005_Zrn_A_1_MBD_21	302	88	3.45	0.07444	0.01085	0.01121	0.00070	0.04816	0.00693	0.24	72.91	10.28	10.23	71.87	4.48	4.48	107.02	214.04	323.48	71.87	4.48	4.48	206Pb/238U concordant scans	16	31
P1413_005_Zrn_A_1_MBD_97	161	66	2.43	0.07213	0.01523	0.01121	0.00065	0.04666	0.00986	0.13	70.72	14.47	14.37	71.87	4.14	4.14	31.78	63.57	470.92	71.87	4.14	4.14	206Pb/238U concordant scans	24	31
P1413_005_Zrn_A_1_MBD_38	388	206	1.88	0.07907	0.00924	0.01123	0.00036	0.05104	0.00590	0.17	77.27	8.71	8.68	72.02	2.27	2.27	242.75	277.84	255.96	72.02	2.27	2.27	206Pb/238U concordant scans	20	31
P1413_005_Zrn_A_1_MBD_106	703	452	1.56	0.07772	0.00805	0.01124	0.00048	0.05014	0.00535	0.11	76.00	7.60	7.57	72.07	3.08	3.08	201.61	257.54	238.68	72.07	3.08	3.08	206Pb/238U concordant scans	11	31
P1413_005_Zrn_A_1_MBD_12	195	80	2.44	0.07948	0.01770	0.01127	0.00066	0.05116	0.01160	0.05	77.66	16.71	16.58	72.23	4.20	4.20	248.03	496.06	483.82	72.23	4.20	4.20	206Pb/238U concordant scans	18	31
P1413_005_Zrn_A_1_MBD_113	137	43	3.20	0.08027	0.01564	0.01137	0.00055	0.05122	0.01019	0.03	78.40	14.76	14.65	72.85	3.51	3.51	250.93	493.03	428.02	72.85	3.51	3.51	206Pb/238U concordant scans	25	31
P1413_005_Zrn_A_1_MBD_108	131	41	3.22	0.08264	0.02168	0.01139	0.00085	0.05264	0.01423	0.03	80.62	20.44	20.24	72.99	5.40	5.40	313.17	626.33	562.85	72.99	5.40	5.40	206Pb/238U concordant scans	16	31
P1413_005_Zrn_A_1_MBD_102	163	70	2.34	0.08956	0.04264	0.01141	0.00178	0.05694	0.02726	0.15	87.09	40.13	39.35	73.12	11.36	11.35	489.10	978.21	911.56	73.12	11.36	11.35	206Pb/238U concordant scans	17	31
P1413_005_Zrn_A_1_MBD_71	202	85	2.37	0.07770	0.01140	0.01142	0.00049	0.04936	0.00734	0.09	75.98	10.77	10.71	73.19	3.13	3.13	164.95	329.91	330.33	73.19	3.13	3.13	206Pb/238U concordant scans	30	31
P1413_005_Zrn_A_1_MBD_33	95	41	2.33	0.08701	0.02951	0.01149	0.00074	0.05493	0.01879	0.04	84.72	27.76	27.38	73.65	4.70	4.70	409.18	818.36	686.15	73.65	4.70	4.70	206Pb/238U concordant scans	18	31
P1413_005_Zrn_A_1_MBD_13	252	152	1.65	0.08673	0.01469	0.01153	0.00039	0.05454	0.00932	0.04	84.45	13.77	13.68	73.92	2.51	2.51	393.39	408.18	362.22	73.92	2.51	2.51	206Pb/238U concordant scans	24	31
P1413_005_Zrn_A_1_MBD_8	204	75	2.73	0.07970	0.02203	0.01157	0.00066	0.04996	0.01400	0.03	77.87	20.82	20.61	74.15	4.22	4.22	193.33	386.67	593.62	74.15	4.22	4.22	206Pb/238U concordant scans	18	31
P1413_005_Zrn_A_1_MBD_37	134	34	3.98	0.08055	0.02233	0.01162	0.00081	0.05026	0.01419	0.05	78.66	21.10	20.88	74.49	5.17	5.17	207.12	414.23	596.29	74.49	5.17	5.17	206Pb/238U concordant scans	18	31
P1413_005_Zrn_A_1_MBD_62	159	54	2.93	0.09528	0.05625	0.01167	0.00112	0.05924	0.03536	0.01	92.41	52.83	51.49	74.77	7.14	7.14	575.86	1151.73	1086.42	74.77	7.14	7.14	206Pb/238U concordant scans	9	31

P1413_005_Zrn_A_1_MBD_26	175	36	4.84	0.08995	0.01891	0.01225	0.00059	0.05328	0.01122	0.10	87.46	17.69	17.54	78.46	3.77	3.76	340.67	515.51	444.50	78.46	3.77	3.76	206Pb/238U concordant scans	20	31
P1413_005_Zrn_A_1_MBD_61	377	181	2.08	0.08153	0.02599	0.01230	0.00065	0.04807	0.01539	0.05	79.59	24.55	24.26	78.82	4.12	4.12	102.56	205.12	680.84	78.82	4.12	4.12	206Pb/238U concordant scans	7	31
P1413_005_Zrn_A_1_MBD_22	291	104	2.79	0.08845	0.01862	0.01358	0.00073	0.04723	0.01011	0.05	86.06	17.45	17.30	86.97	4.62	4.61	60.88	121.75	474.25	86.97	4.62	4.61	206Pb/238U concordant scans	17	31
P1413_005_Zrn_A_1_MBD_82	373	118	3.17	0.09393	0.01163	0.01424	0.00052	0.04785	0.00590	0.15	91.16	10.82	10.77	91.13	3.29	3.29	92.02	184.03	279.74	91.13	3.29	3.29	206Pb/238U concordant scans	16	31
P1413_005_Zrn_A_1_MBD_103	876	146	6.00	0.11026	0.00953	0.01589	0.00046	0.05034	0.00430	0.18	106.20	8.73	8.70	101.60	2.92	2.92	210.61	204.36	192.30	101.60	2.92	2.92	206Pb/238U concordant scans	22	31
P1413_005_Zrn_A_1_MBD_81	257	72	3.57	0.12540	0.03847	0.01603	0.00154	0.05673	0.01761	0.12	119.95	35.00	34.41	102.52	9.77	9.76	481.19	770.76	620.88	102.52	9.77	9.76	206Pb/238U concordant scans	8	31
P1413_005_Zrn_A_1_MBD_91	144	85	1.69	0.11189	0.01740	0.01676	0.00113	0.04843	0.00780	0.13	107.70	15.95	15.83	107.14	7.18	7.17	120.12	240.23	358.90	107.14	7.18	7.17	206Pb/238U concordant scans	11	31
P1413_005_Zrn_A_1_MBD_53	899	367	2.45	0.11947	0.00745	0.01747	0.00049	0.04960	0.00308	0.20	114.59	6.77	6.74	111.64	3.08	3.08	176.37	148.06	141.64	111.64	3.08	3.08	206Pb/238U concordant scans	29	31
P1413_005_Zrn_A_1_MBD_100	157	26	6.09	0.17412	0.03398	0.02507	0.00111	0.05037	0.00974	0.15	162.99	29.60	29.17	159.63	7.00	7.00	212.08	424.16	419.86	159.63	7.00	7.00	206Pb/238U concordant scans	22	31
P1413_005_Zrn_A_1_MBD_39	408	216	1.89	0.16776	0.01896	0.02527	0.00102	0.04815	0.00531	0.24	157.48	16.55	16.42	160.89	6.39	6.39	106.46	212.92	250.79	160.89	6.39	6.39	206Pb/238U concordant scans	22	31
P1413_005_Zrn_A_1_MBD_27	294	121	2.44	0.18998	0.02017	0.02598	0.00102	0.05303	0.00561	0.18	176.61	17.29	17.14	165.37	6.44	6.44	329.93	249.54	231.65	165.37	6.44	6.44	206Pb/238U concordant scans	29	31
P1413_005_Zrn_A_1_MBD_51	1075	506	2.12	0.17109	0.00813	0.02600	0.00065	0.04773	0.00220	0.28	160.36	7.06	7.04	165.45	4.11	4.11	85.84	111.36	107.71	165.45	4.11	4.11	206Pb/238U concordant scans	26	31
P1413_005_Zrn_A_1_MBD_40	377	144	2.61	0.18012	0.02002	0.02687	0.00138	0.04862	0.00561	0.13	168.17	17.30	17.15	170.93	8.67	8.66	129.42	258.85	260.63	170.93	8.67	8.66	206Pb/238U concordant scans	22	31
P1413_005_Zrn_A_1_MBD_117	207	70	2.97	0.18721	0.02199	0.02701	0.00101	0.05026	0.00597	0.11	174.25	18.90	18.72	171.83	6.33	6.33	207.16	287.81	264.45	171.83	6.33	6.33	206Pb/238U concordant scans	17	31
P1413_005_Zrn_A_1_MBD_112	72	18	4.01	0.21137	0.04005	0.02724	0.00105	0.05627	0.01071	0.07	194.70	33.85	33.30	173.26	6.57	6.57	463.17	451.95	396.05	173.26	6.57	6.57	206Pb/238U concordant scans	26	31
P1413_005_Zrn_A_1_MBD_84	553	246	2.25	0.20080	0.01516	0.02805	0.00106	0.05192	0.00366	0.37	185.80	12.86	12.78	178.35	6.68	6.67	281.67	165.58	157.54	178.35	6.68	6.67	206Pb/238U concordant scans	24	31
P1413_005_Zrn_A_1_MBD_36	377	142	2.65	0.20770	0.01886	0.02971	0.00107	0.05070	0.00447	0.26	191.62	15.92	15.80	188.75	6.72	6.72	227.20	210.41	197.63	188.75	6.72	6.72	206Pb/238U concordant scans	19	31
P1413_005_Zrn_A_1_MBD_18	540	206	2.62	0.20959	0.01479	0.02989	0.00087	0.05085	0.00363	0.15	193.21	12.45	12.38	189.88	5.47	5.47	234.01	168.88	160.55	189.88	5.47	5.47	206Pb/238U concordant scans	16	31
P1413_005_Zrn_A_1_MBD_79	181	66	2.75	0.21257	0.02409	0.03001	0.00100	0.05137	0.00584	0.12	195.70	20.27	20.07	190.61	6.29	6.28	257.55	272.40	251.32	190.61	6.29	6.28	206Pb/238U concordant scans	25	31
P1413_005_Zrn_A_1_MBD_70	340	100	3.39	0.22027	0.02376	0.03003	0.00118	0.05321	0.00573	0.18	202.14	19.87	19.68	190.71	7.41	7.41	337.57	253.53	235.08	190.71	7.41	7.41	206Pb/238U concordant scans	20	31
P1413_005_Zrn_A_1_MBD_57	113	35	3.20	0.20287	0.03988	0.03041	0.00176	0.04839	0.00969	0.08	187.55	33.94	33.38	193.09	11.03	11.02	118.40	236.81	440.78	193.09	11.03	11.02	206Pb/238U concordant scans	13	31
P1413_005_Zrn_A_1_MBD_77	913	428	2.13	0.27477	0.01477	0.03978	0.00116	0.05009	0.00256	0.34	246.50	11.80	11.73	251.49	7.19	7.18	199.31	120.81	116.49	251.49	7.19	7.18	206Pb/238U concordant scans	27	31
P1413_005_Zrn_A_1_MBD_14	628	163	3.85	0.28069	0.01496	0.03992	0.00090	0.05100	0.00272	0.15	251.20	11.89	11.82	252.31	5.57	5.56	240.90	125.27	120.63	252.31	5.57	5.56	206Pb/238U concordant scans	23	31
P1413_005_Zrn_A_1_MBD_50	802	221	3.62	0.39015	0.02162	0.05207	0.00157	0.05434	0.00268	0.46	334.48	15.85	15.73	327.22	9.61	9.60	385.24	112.64	108.84	327.22	9.61	9.60	206Pb/238U concordant scans	28	31
P1413_005_Zrn_A_1_MBD_104	857	468	1.83	0.38881	0.01735	0.05261	0.00119	0.05360	0.00233	0.25	333.50	12.72	12.65	330.52	7.26	7.26	354.33	99.61	96.63	330.52	7.26	7.26	206Pb/238U concordant scans	28	31
P1413_005_Zrn_A_1_MBD_66	560	350	1.60	0.40031	0.02171	0.05296	0.00124	0.05482	0.00287	0.27	341.87	15.81	15.68	332.69	7.57	7.56	404.76	119.23	114.97	332.69	7.57	7.56	206Pb/238U concordant scans	23	31
P1413_005_Zrn_A_1_MBD_9	134	54	2.48	0.39306	0.04814	0.05398	0.00172	0.05281	0.00641	0.16	336.60	35.39	34.79	338.90	10.55	10.54	320.78	288.04	264.48	338.90	10.55	10.54	206Pb/238U concordant scans	22	31
P1413_005_Zrn_A_1_MBD_43	94	98	0.96	0.59218	0.07225	0.07557	0.00254	0.05684	0.00693	0.13	472.26	46.61	45.56	469.60	15.22	15.20	485.21	280.94	258.26	469.60	15.22	15.20	206Pb/238U concordant scans	31	31
P1413_005_Zrn_A_1_MBD_89	126	51	2.48	1.60745	0.07515	0.15794	0.00517	0.07381	0.00334	0.36	973.12	29.48	29.06	945.32	28.79	28.73	1036.41	92.63	89.94	973.12	29.48	29.06	207Pb/235Uc concordant scans	20	31
P1413_005_Zrn_A_1_MBD_68	130	115	1.14	2.67510	0.16700	0.21833	0.00741	0.08887	0.00501	0.43	1321.60	46.67	45.62	1273.03	39.29	39.17	1401.26	109.94	106.10	1273.03	39.29	39.17	206Pb/238U concordant scans	21	31
P1413_005_Zrn_A_1_MBD_55	296	118	2.50	2.93059	0.10935	0.23802	0.00556	0.08930	0.00292	0.48	1389.85	28.45	28.05	1376.42	29.00	28.93	1410.52	63.15	61.86	1389.85	28.45	28.05	207Pb/235Uc concordant scans	29	31
P1413_005_Zrn_A_1_MBD_54	110	95	1.16	2.69911	0.70877	0.21160	0.05250	0.09252	0.00952	0.92	1328.21	204.52	185.79	1237.31	282.40	276.35	1477.98	201.75	189.12	1477.98	201.75	189.12	207Pb/206Pb concordant scans	4	31
P1413_005_Zrn_A_1_MBD_72	257	108	2.38	3.44369	0.14282	0.25474	0.00753	0.09804	0.00335	0.57	1514.43	32.90	32.37	1462.88	38.77	38.65	1587.27	64.61	63.25	1514.43	32.90	32.37	207Pb/235Uc concordant scans	19	31
P1413_005_Zrn_A_1_MBD_93	83	24	3.44	4.15671	0.19682	0.29751	0.01179	0.10133	0.00326	0.73	1665.53	39.13	38.39	1678.97	58.68	58.42	1648.64	60.33	59.14	1665.53	39.13	38.39	207Pb/235Uc concordant scans	26	31
P1413_005_Zrn_A_1_MBD_78	174	133	1.31	4.37079	0.18797	0.30022	0.01096	0.10559	0.00310	0.73	1706.83	35.85	35.23	1692.39	54.47	54.24	1724.61	54.41	53.44	1706.83	35.85	35.23	207Pb/235Uc concordant scans	23	31
P1413_005_Zrn_A_1_MBD_59	142	50	2.84	4.58775	0.32272	0.30885	0.01954	0.10773	0.00432	0.82	1747.04	59.51	57.81	1735.04	96.62	95.90	1761.45	74.25	72.45	1747.04	59.51	57.81	207Pb/235Uc concordant scans	14	31
P1413_005_Zrn_A_1_MBD_80	68	44	1.53	4.99694	0.24579	0.32541	0.01082	0.11137	0.00448	0.58	1818.81	42.05	41.20	1816.09	52.73	52.52	1821.91	73.84	72.05	1818.81	42.05	41.20	207Pb/235Uc concordant scans	27	31
P1413_005_Zrn_A_1_MBD_11	103	113	0.91	5.91346	0.22445	0.35114	0.00882	0.12214	0.00408	0.48	1963.21	33.24	32.70	1940.02	42.14	42.00	1987.75	59.98	58.79	1963.21	33.24	32.70	207Pb/235Uc concordant scans	27	31
P1413_005_Zrn_A_1_MBD_49	117	91	1.29	11.85016	0.53925	0.47518	0.01843	0.18087	0.00542	0.75	2592.64	43.06	42.17	2506.22	80.79	80.29	2660.87	50.07	49.21	2592.64	43.06	42.17	207Pb/235Uc concordant scans	28	31
P1413_005_Zrn_A_1_MBD_34	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_005_Zrn_A_1_MBD_42	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_005_Zrn_A_1_MBD_63	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_005_Zrn_A_1_MBD_69	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_005_Zrn_A_1_MBD_90	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_005_Zrn_A_1_MBD_118	473	265	1.79	0.06732	0.01088	0.01096	0.00076	0.04453	0.00732	0.17	66.15	10.38	10.32	70.29	4.86	4.85	0.00	0.00	217.28	0.00	0.00	0.00	Pbc-corrected concordant scans	16	31

Data Repository Item E - U-Pb zircon analytical results from Cantwell Formation bentonites

Mineral	**Zircon**
Sample Name	**03LTC**
A2Z Name	**024-31**

	Uranium and Thorium			Concordant Scans: Isotopic Ratios							Concordant Scans: Ages									Preferred Age					
Analysis Name	**[U] (ppm)**	**[Th] (ppm)**	**U/Th**	**207Pb/235U**	**2 sigma**	**206Pb/238U**	**2 sigma**	**207Pb/206Pb**	**2 sigma**	**Error Correlation**	**207Pb/235U**	**2 -sigma**	**2 +sigma**	**206Pb/238U**	**2 -sigma**	**2 +sigma**	**207Pb/206Pb**	**2 -sigma**	**2 +sigma**	**Preferred Age (Ma)**	**2 -sigma**	**2 +sigma**	**Age Type**	**Concordant S**	**Total Scans**
02431AZ1_103	158	85	1.86	0.06927	0.01293	0.01013	0.00037	0.04958	0.00941	0.01	68.00	12.31	12.24	64.99	2.39	2.39	175.23	350.47	415.12	64.99	2.39	2.39	206Pb/238U concordant scans	90	177
02431AZ1_107	358	157	2.28	0.06980	0.00992	0.01028	0.00036	0.04924	0.00716	0.01	68.51	9.43	9.39	65.93	2.27	2.27	159.39	318.78	323.74	65.93	2.27	2.27	206Pb/238U concordant scans	53	177
02431AZ1_20	814	464	1.75	0.06887	0.00457	0.01032	0.00023	0.04841	0.00327	0.07	67.63	4.35	4.34	66.17	1.47	1.46	119.38	163.42	155.66	66.17	1.47	1.46	206Pb/238U concordant scans	99	177
02431AZ1_36	544	230	2.37	0.07018	0.00621	0.01032	0.00023	0.04931	0.00442	0.04	68.87	5.90	5.88	66.21	1.46	1.46	162.37	216.81	203.32	66.21	1.46	1.46	206Pb/238U concordant scans	77	177
02431AZ1_13	816	326	2.51	0.06998	0.00553	0.01035	0.00025	0.04905	0.00395	0.06	68.68	5.25	5.24	66.36	1.59	1.59	150.25	194.24	183.35	66.36	1.59	1.59	206Pb/238U concordant scans	71	177
02431AZ1_64	702	302	2.33	0.06949	0.00587	0.01035	0.00026	0.04870	0.00418	0.07	68.22	5.58	5.57	66.38	1.65	1.65	133.18	208.34	195.88	66.38	1.65	1.65	206Pb/238U concordant scans	83	177
02431AZ1_81	351	259	1.35	0.07122	0.00761	0.01037	0.00031	0.04979	0.00546	0.03	69.85	7.22	7.20	66.53	1.95	1.95	185.18	265.81	245.79	66.53	1.95	1.95	206Pb/238U concordant scans	77	177
02431AZ1_39	351	123	2.86	0.07147	0.00851	0.01039	0.00031	0.04991	0.00606	0.03	70.10	8.08	8.05	66.61	1.97	1.97	190.74	295.31	270.79	66.61	1.97	1.97	206Pb/238U concordant scans	67	177
02431AZ1_78	563	748	0.75	0.07062	0.00691	0.01040	0.00029	0.04923	0.00495	0.03	69.28	6.57	6.55	66.71	1.86	1.86	158.97	244.14	227.18	66.71	1.86	1.86	206Pb/238U concordant scans	91	177
02431AZ1_15	1513	1907	0.79	0.06940	0.00358	0.01042	0.00029	0.04830	0.00253	0.21	68.13	3.40	3.39	66.83	1.87	1.86	113.97	126.05	121.39	66.83	1.87	1.86	206Pb/238U concordant scans	74	177
02431AZ1_27	774	360	2.15	0.07073	0.00530	0.01043	0.00024	0.04920	0.00378	0.04	69.39	5.03	5.02	66.86	1.52	1.52	157.53	184.68	174.81	66.86	1.52	1.52	206Pb/238U concordant scans	85	177
02431AZ1_7	1007	549	1.83	0.07069	0.00872	0.01043	0.00031	0.04916	0.00615	0.05	69.35	8.29	8.26	66.88	2.00	2.00	155.57	306.57	280.29	66.88	2.00	2.00	206Pb/238U concordant scans	49	177
02431AZ1_108	590	252	2.34	0.07050	0.00568	0.01043	0.00022	0.04901	0.00403	0.02	69.18	5.40	5.38	66.91	1.41	1.41	148.33	198.81	187.42	66.91	1.41	1.41	206Pb/238U concordant scans	89	177
02431AZ1_37	548	257	2.14	0.06931	0.00577	0.01044	0.00027	0.04815	0.00412	0.05	68.05	5.49	5.47	66.95	1.73	1.72	106.64	208.40	195.96	66.95	1.73	1.72	206Pb/238U concordant scans	68	177
02431AZ1_105	619	330	1.88	0.07016	0.00695	0.01045	0.00025	0.04871	0.00492	0.02	68.85	6.60	6.58	66.99	1.63	1.63	133.91	246.31	229.08	66.99	1.63	1.63	206Pb/238U concordant scans	70	177
02431AZ1_40	830	390	2.13	0.07101	0.00679	0.01045	0.00027	0.04927	0.00478	0.06	69.66	6.45	6.43	67.03	1.74	1.74	160.74	235.28	219.48	67.03	1.74	1.74	206Pb/238U concordant scans	79	177
02431AZ1_72	550	255	2.16	0.07106	0.00576	0.01046	0.00024	0.04929	0.00409	0.03	69.71	5.46	5.45	67.05	1.56	1.56	161.83	200.05	188.51	67.05	1.56	1.56	206Pb/238U concordant scans	73	177
02431AZ1_41	895	231	3.87	0.07042	0.00524	0.01046	0.00022	0.04885	0.00370	0.05	69.09	4.98	4.97	67.05	1.40	1.40	140.40	182.65	173.00	67.05	1.40	1.40	206Pb/238U concordant scans	87	177
02431AZ1_104	797	324	2.46	0.07167	0.00524	0.01046	0.00023	0.04970	0.00372	0.05	70.28	4.97	4.96	67.06	1.49	1.49	181.07	179.30	169.96	67.06	1.49	1.49	206Pb/238U concordant scans	70	177
02431AZ1_60	266	218	1.22	0.07043	0.00860	0.01046	0.00037	0.04882	0.00614	0.03	69.11	8.18	8.14	67.10	2.36	2.36	138.97	277.94	282.73	67.10	2.36	2.36	206Pb/238U concordant scans	67	177
02431AZ1_63	988	537	1.84	0.07011	0.00474	0.01047	0.00026	0.04858	0.00333	0.12	68.80	4.51	4.50	67.12	1.67	1.67	127.63	165.65	157.68	67.12	1.67	1.67	206Pb/238U concordant scans	66	177
02431AZ1_110	710	524	1.36	0.07167	0.00616	0.01048	0.00025	0.04962	0.00432	0.07	70.28	5.85	5.83	67.18	1.58	1.58	177.09	209.69	197.04	67.18	1.58	1.58	206Pb/238U concordant scans	77	177
02431AZ1_67	332	101	3.28	0.07085	0.00865	0.01048	0.00034	0.04901	0.00614	0.02	69.50	8.22	8.18	67.23	2.20	2.20	148.50	296.99	281.32	67.23	2.20	2.20	206Pb/238U concordant scans	67	177
02431AZ1_23	609	217	2.80	0.07195	0.00640	0.01049	0.00026	0.04975	0.00451	0.04	70.55	6.07	6.05	67.26	1.66	1.66	183.35	218.17	204.50	67.26	1.66	1.66	206Pb/238U concordant scans	77	177
02431AZ1_109	428	219	1.96	0.07043	0.00961	0.01049	0.00030	0.04869	0.00673	0.03	69.11	9.14	9.10	67.28	1.90	1.90	132.75	265.51	309.83	67.28	1.90	1.90	206Pb/238U concordant scans	82	177
02431AZ1_25	486	179	2.71	0.07109	0.00629	0.01049	0.00026	0.04914	0.00444	0.03	69.73	5.97	5.95	67.28	1.65	1.65	154.59	218.93	205.19	67.28	1.65	1.65	206Pb/238U concordant scans	80	177
02431AZ1_28	466	163	2.85	0.07138	0.00583	0.01049	0.00026	0.04934	0.00414	0.03	70.01	5.53	5.51	67.29	1.66	1.66	163.90	202.23	190.45	67.29	1.66	1.66	206Pb/238U concordant scans	94	177
02431AZ1_89	434	166	2.62	0.07222	0.00662	0.01049	0.00026	0.04991	0.00468	0.04	70.80	6.28	6.26	67.30	1.69	1.69	190.83	225.48	210.91	67.30	1.69	1.69	206Pb/238U concordant scans	85	177
02431AZ1_82	603	242	2.49	0.07081	0.00617	0.01050	0.00024	0.04892	0.00433	0.04	69.47	5.85	5.84	67.33	1.50	1.50	143.84	214.65	201.44	67.33	1.50	1.50	206Pb/238U concordant scans	75	177
02431AZ1_66	423	226	1.87	0.07120	0.00741	0.01050	0.00028	0.04919	0.00521	0.04	69.84	7.03	7.01	67.33	1.80	1.80	156.68	257.73	238.90	67.33	1.80	1.80	206Pb/238U concordant scans	77	177
02431AZ1_52	890	308	2.89	0.07126	0.00495	0.01051	0.00025	0.04919	0.00348	0.09	69.89	4.70	4.69	67.38	1.59	1.59	156.92	169.95	161.56	67.38	1.59	1.59	206Pb/238U concordant scans	85	177
02431AZ1_92	400	146	2.74	0.07206	0.00813	0.01051	0.00035	0.04974	0.00577	0.04	70.65	7.72	7.69	67.38	2.26	2.26	182.77	282.02	259.59	67.38	2.26	2.26	206Pb/238U concordant scans	63	177
02431AZ1_62	730	394	1.85	0.07052	0.00638	0.01051	0.00028	0.04866	0.00448	0.07	69.19	6.06	6.04	67.41	1.79	1.79	131.37	223.88	209.56	67.41	1.79	1.79	206Pb/238U concordant scans	73	177
02431AZ1_70	422	269	1.57	0.07138	0.00752	0.01052	0.00030	0.04919	0.00532	0.02	70.01	7.14	7.12	67.49	1.92	1.92	157.02	263.39	243.76	67.49	1.92	1.92	206Pb/238U concordant scans	74	177
02431AZ1_34	592	988	0.60	0.06974	0.00600	0.01053	0.00027	0.04804	0.00423	0.05	68.46	5.70	5.68	67.52	1.75	1.75	101.40	202.80	201.90	67.52	1.75	1.75	206Pb/238U concordant scans	74	177
02431AZ1_99	1293	637	2.03	0.07008	0.00409	0.01054	0.00021	0.04822	0.00286	0.10	68.77	3.89	3.88	67.59	1.34	1.34	110.12	142.94	136.97	67.59	1.34	1.34	206Pb/238U concordant scans	93	177
02431AZ1_90	535	218	2.45	0.07256	0.00561	0.01055	0.00027	0.04990	0.00398	0.05	71.12	5.32	5.31	67.63	1.70	1.70	190.13	190.89	180.34	67.63	1.70	1.70	206Pb/238U concordant scans	85	177
02431AZ1_93	1040	1185	0.88	0.07092	0.00501	0.01056	0.00028	0.04870	0.00353	0.10	69.57	4.76	4.75	67.73	1.79	1.79	133.40	174.98	166.11	67.73	1.79	1.79	206Pb/238U concordant scans	71	177
02431AZ1_18	832	450	1.85	0.07276	0.00587	0.01057	0.00027	0.04994	0.00409	0.08	71.31	5.56	5.55	67.75	1.70	1.70	192.36	196.22	185.09	67.75	1.70	1.70	206Pb/238U concordant scans	71	177
02431AZ1_55	592	268	2.21	0.07105	0.00680	0.01057	0.00031	0.04876	0.00476	0.07	69.69	6.46	6.44	67.77	1.96	1.96	136.11	237.88	221.77	67.77	1.96	1.96	206Pb/238U concordant scans	85	177
02431AZ1_31	1651	623	2.65	0.07016	0.00390	0.01058	0.00022	0.04812	0.00267	0.17	68.85	3.70	3.70	67.81	1.42	1.42	105.07	133.62	128.40	67.81	1.42	1.42	206Pb/238U concordant scans	76	177
02431AZ1_88	613	307	2.00	0.07200	0.00552	0.01058	0.00027	0.04937	0.00391	0.04	70.60	5.23	5.22	67.82	1.72	1.72	165.67	190.66	180.15	67.82	1.72	1.72	206Pb/238U concordant scans	82	177
02431AZ1_83	476	349	1.36	0.07271	0.00716	0.01058	0.00026	0.04982	0.00501	0.02	71.27	6.79	6.76	67.88	1.66	1.66	186.73	242.78	225.97	67.88	1.66	1.66	206Pb/238U concordant scans	82	177
02431AZ1_80	591	265	2.23	0.07252	0.00592	0.01059	0.00024	0.04969	0.00413	0.04	71.09	5.61	5.59	67.88	1.52	1.52	180.44	199.72	188.21	67.88	1.52	1.52	206Pb/238U concordant scans	83	177
02431AZ1_26	437	240	1.82	0.09221	0.05266	0.01059	0.00087	0.06318	0.03635	0.02	89.56	49.56	48.38	67.89	5.58	5.58	714.14	1428.29	1031.52	67.89	5.58	5.58	206Pb/238U concordant scans	17	177
02431AZ1_24	1450	934	1.55	0.07025	0.00419	0.01059	0.00026	0.04812	0.00292	0.13	68.94	3.98	3.97	67.91	1.66	1.66	104.94	146.43	140.18	67.91	1.66	1.66	206Pb/238U concordant scans	66	177
02431AZ1_45	512	170	3.01	0.07272	0.00713	0.01060	0.00032	0.04977	0.00498	0.07	71.28	6.76	6.74	67.95	2.04	2.04	184.46	241.91	225.22	67.95	2.04	2.04	206Pb/238U concordant scans	74	177
02431AZ1_75	331	432	0.77	0.07249	0.00923	0.01060	0.00032	0.04959	0.00642	0.04	71.06	8.76	8.72	67.99	2.02	2.02	175.82	316.84	288.82	67.99	2.02	2.02	206Pb/238U concordant scans	70	177
02431AZ1_29	685	376	1.82	0.07128	0.00524	0.01061	0.00027	0.04873	0.00368	0.07	69.92	4.98	4.96	68.03	1.71	1.71	134.81	182.23	172.62	68.03	1.71	1.71	206Pb/238U concordant scans	81	177
02431AZ1_59	755	806	0.94	0.07111	0.00546	0.01061	0.00026	0.04860	0.00380	0.09	69.75	5.19	5.17	68.04	1.68	1.68	128.72	189.06	178.75	68.04	1.68	1.68	206Pb/238U concordant scans	100	177
02431AZ1_51	937	1846	0.51	0.07231	0.00473	0.01062	0.00025	0.04937	0.00327	0.12	70.89	4.48	4.47	68.12	1.59	1.59	165.29	158.38	151.06	68.12	1.59	1.59	206Pb/238U concordant scans	109	177
02431AZ1_54	459	168	2.74	0.07119	0.00725	0.01063	0.00036	0.04856	0.00507	0.08	69.83	6.89	6.87	68.18	2.27	2.27	126.69	253.18	236.86	68.18	2.27	2.27	206Pb/238U concordant scans	68	177
02431AZ1_65	406	158	2.57	0.07269	0.00671	0.01063	0.00031	0.04958	0.00471	0.05	71.25	6.36	6.34	68.18	1.98	1.98	175.31	229.60	214.52	68.18	1.98	1.98	206Pb/238U concordant scans	73	177
02431AZ1_44	336	198	1.70	0.07455	0.00772	0.01065	0.00033	0.05079	0.00540	0.05	73.01	7.31	7.28	68.26	2.13	2.13	231.34	255.09	236.54	68.26	2.13	2.13	206Pb/238U concordant scans	108	177
02431AZ1_57	393	153	2.56	0.07443	0.00829	0.01065	0.00031	0.05069	0.00576	0.04	72.89	7.85	7.82	68.28	1.96	1.96	226.82	273.71	252.47	68.28	1.96	1.96	206Pb/238U concordant scans	65	177
02431AZ1_102	804	426	1.89	0.07065	0.00494	0.01065	0.00024	0.04810	0.00347	0.04	69.31	4.69	4.68	68.31	1.53	1.53	104.19	174.84	166.00	68.31	1.53	1.53	206Pb/238U concordant scans	70	177
02431AZ1_30	620	372	1.67	0.07205	0.00500	0.01065	0.00026	0.04905	0.00351	0.04	70.65	4.74	4.73	68.31	1.63	1.63	150.37	172.20	163.59	68.31	1.63	1.63	206Pb/238U concordant scans	82	177
02431AZ1_4	1541	712	2.17	0.07149	0.00415	0.01066	0.00040	0.04863	0.00298	0.21	70.11	3.94	3.93	68.36	2.54	2.54	130.21	147.36	141.01	68.36	2.54	2.54	206Pb/238U concordant scans	87	177
02431AZ1_74	724	359	2.02	0.07080	0.00518	0.01068	0.00032	0.04809	0.00362	0.11	69.46	4.92	4.91	68.47	2.05	2.05	103.64	183.18	173.50	68.47	2.05	2.05	206Pb/238U concordant scans	76	177
02431AZ1_17	734	285	2.58	0.07216	0.00548	0.01068	0.00026	0.04901	0.00381	0.06	70.75	5.20	5.18	68.47	1.65	1.65	148.37	187.26	177.13	68.47	1.65	1.65	206Pb/238U concordant scans	103	177
02431AZ1_95	520	218	2.39	0.07060	0.00675	0.01068	0.00030	0.04794	0.00467	0.07	69.26	6.41	6.39	68.48	1.93	1.93	96.31	192.62	222.99	68.48	1.93	1.93	206Pb/238U concordant scans	90	177
02431AZ1_22	584	224	2.61	0.07333	0.00585	0.01069	0.00028	0.04977	0.00407	0.06	71.85	5.54	5.52	68.52	1.81	1.81	184.32	196.23	185.11	68.52	1.81	1.81	206Pb/238U concordant scans	75	177
02431AZ1_46	424	315	1.35	0.07373	0.00698	0.01069	0.00035	0.05002	0.00486	0.08	72.23	6.61	6.59	68.55	2.23	2.23	195.87	234.04	218.37	68.55	2.23	2.23	206Pb/238U concordant scans	81	177
02431AZ1_100	653	647	1.01	0.07239	0.00535	0.01070	0.00025	0.04909	0.00372	0.05	70.96	5.08	5.06	68.58	1.57	1.57	152.02	182.54	172.89	68.58	1.57	1.57	206Pb/238U concordant scans	83	177
02431AZ1_21	773	232	3.34	0.07156	0.00529	0.01070	0.00024	0.04853	0.00366	0.05	70.18	5.02	5.01	68.58	1.55	1.55	124.95	182.67	173.03	68.58	1.55	1.55	206Pb/238U concordant scans	78	177
02431AZ1_1	838	351	2.39	0.07562	0.00776	0.01070	0.00067	0.05125	0.00528	0.29	74.02	7.34	7.31	68.63	4.26	4.26	251.87	246.12	228.79	68.63	4.26	4.26	206Pb/238U concordant scans	95	177
02431AZ1_12	604	550	1.10	0.07344	0.00547	0.01071	0.00028	0.04975	0.00383	0.04	71.96	5.18	5.17	68.66	1.77	1.77	183.19	184.27	174.42	68.66	1.77	1.77	206Pb/238U concordant scans	74	177
02431AZ1_71	215	204	1.06	0.07510	0.01026	0.01073	0.00039	0.05076	0.00711	0.03	73.53	9.72	9.67	68.81	2.47	2.47	230.05	340.60	308.32	68.81	2.47	2.47	206Pb/238U concordant scans	99	177
02431AZ1_53	542	632	0.86	0.07504	0.00694	0.01073	0.00029	0.05072	0.00481	0.04	73.47	6.56	6.54	68.81	1.84	1.84	228.08	226.63	211.87	68.81	1.84	1.84	206Pb/238U concordant scans	96	177
02431AZ1_48	1081	1091	0.99	0.07333	0.00507	0.01073	0.00031	0.04954	0.00350	0.13	71.85	4.80	4.79	68.83	1.95	1.95	173.57	168.92	160.61	68.83	1.95	1.95	206Pb/238U concordant scans	83	177
02431AZ1_38	448	390	1.15	0.07355	0.01513	0.01075	0.00046	0.04962	0.01033	0.04	72.07	14.36	14.26	68.93	2.93	2.93	177.28	354.55	452.53	68.93	2.93	2.93	206Pb/238U concordant scans	41	177
02431AZ1_76	382	135	2.82	0.07382	0.00805	0.01076	0.00033	0.04977	0.00552	0.07	72.31	7.63	7.60	68.98	2.08	2.08	184.16	269.14	248.64	68.98	2.08	2.08	206Pb/238U concordant scans	72	177
02431AZ1_8	1224	1352	0.91	0.07136	0.00464	0.01077	0.00024	0.04805	0.00317	0.09	69.99	4.40	4.39	69.06	1.54	1.54	101.86	160.07	152.63	69.06	1.54	1.54	206Pb/238U concordant scans	85	177

02431AZ1_96	578	567	1.02	0.07359	0.00742	0.01077	0.00027	0.04954	0.00509	0.03	72.10	7.03	7.00	69.09	1.74	1.74	173.33	248.79	231.18	69.09	1.74	1.74	206Pb/238U concordant scans	72	177
02431AZ1_98	298	420	0.71	0.07482	0.00921	0.01078	0.00028	0.05032	0.00629	0.02	73.27	8.72	8.69	69.15	1.79	1.79	209.68	303.47	277.61	69.15	1.79	1.79	206Pb/238U concordant scans	96	177
02431AZ1_91	331	343	0.96	0.07660	0.01035	0.01081	0.00031	0.05140	0.00706	0.02	74.95	9.79	9.74	69.31	1.98	1.98	258.60	331.82	301.05	69.31	1.98	1.98	206Pb/238U concordant scans	74	177
02431AZ1_42	274	198	1.38	0.07393	0.00989	0.01081	0.00039	0.04960	0.00681	0.02	72.42	9.37	9.33	69.32	2.46	2.46	176.07	337.02	305.48	69.32	2.46	2.46	206Pb/238U concordant scans	74	177
02431AZ1_32	1097	1177	0.93	0.07291	0.00418	0.01081	0.00022	0.04890	0.00287	0.06	71.46	3.96	3.95	69.34	1.39	1.39	143.00	140.69	134.90	69.34	1.39	1.39	206Pb/238U concordant scans	88	177
02431AZ1_101	321	104	3.10	0.07429	0.00904	0.01083	0.00029	0.04976	0.00616	0.01	72.76	8.56	8.52	69.42	1.83	1.83	183.81	301.80	276.26	69.42	1.83	1.83	206Pb/238U concordant scans	79	177
02431AZ1_11	1324	1949	0.68	0.07324	0.00418	0.01083	0.00025	0.04904	0.00283	0.13	71.77	3.96	3.95	69.45	1.58	1.58	149.76	138.02	132.44	69.45	1.58	1.58	206Pb/238U concordant scans	110	177
02431AZ1_16	319	277	1.15	0.07259	0.00772	0.01083	0.00037	0.04860	0.00531	0.06	71.16	7.32	7.29	69.46	2.38	2.37	128.58	257.17	247.59	69.46	2.38	2.37	206Pb/238U concordant scans	93	177
02431AZ1_5	244	228	1.07	0.07967	0.01414	0.01083	0.00067	0.05333	0.00967	0.11	77.84	13.34	13.26	69.47	4.28	4.28	342.97	438.68	386.18	69.47	4.28	4.28	206Pb/238U concordant scans	68	177
02431AZ1_14	1170	1370	0.85	0.07489	0.00590	0.01084	0.00040	0.05008	0.00394	0.22	73.33	5.58	5.57	69.53	2.52	2.52	198.90	187.99	177.74	69.53	2.52	2.52	206Pb/238U concordant scans	57	177
02431AZ1_43	801	700	1.15	0.07407	0.00615	0.01086	0.00029	0.04948	0.00419	0.08	72.55	5.82	5.81	69.61	1.84	1.84	170.51	203.85	191.88	69.61	1.84	1.84	206Pb/238U concordant scans	93	177
02431AZ1_87	357	317	1.13	0.07828	0.01438	0.01086	0.00043	0.05228	0.00977	0.02	76.53	13.59	13.50	69.63	2.72	2.72	297.55	457.03	400.48	69.63	2.72	2.72	206Pb/238U concordant scans	33	177
02431AZ1_35	410	160	2.57	0.07323	0.00735	0.01086	0.00029	0.04890	0.00500	0.04	71.76	6.96	6.94	69.64	1.83	1.83	143.13	249.31	231.66	69.64	1.83	1.83	206Pb/238U concordant scans	86	177
02431AZ1_56	642	544	1.18	0.07184	0.00526	0.01088	0.00027	0.04788	0.00361	0.05	70.45	4.99	4.98	69.78	1.74	1.74	93.15	183.75	174.02	69.78	1.74	1.74	206Pb/238U concordant scans	79	177
02431AZ1_2	405	158	2.56	0.07358	0.00800	0.01089	0.00055	0.04901	0.00543	0.18	72.09	7.58	7.55	69.82	3.48	3.48	148.10	270.44	249.80	69.82	3.48	3.48	206Pb/238U concordant scans	81	177
02431AZ1_3	687	851	0.81	0.07535	0.00776	0.01089	0.00068	0.05016	0.00530	0.25	73.76	7.34	7.31	69.84	4.34	4.34	202.62	255.08	236.57	69.84	4.34	4.34	206Pb/238U concordant scans	88	177
02431AZ1_94	259	137	1.88	0.07730	0.01137	0.01099	0.00032	0.05103	0.00759	0.03	75.60	10.75	10.69	70.44	2.07	2.07	241.97	362.37	326.02	70.44	2.07	2.07	206Pb/238U concordant scans	99	177
02431AZ1_97	403	215	1.87	0.07452	0.01122	0.01101	0.00043	0.04911	0.00755	0.04	72.98	10.63	10.57	70.56	2.76	2.75	153.02	306.03	341.72	70.56	2.76	2.75	206Pb/238U concordant scans	54	177
02431AZ1_33	317	328	0.96	0.07705	0.00890	0.01105	0.00034	0.05059	0.00597	0.04	75.37	8.41	8.38	70.82	2.16	2.16	222.06	284.91	261.98	70.82	2.16	2.16	206Pb/238U concordant scans	73	177
02431AZ1_69	299	394	0.76	0.07690	0.01018	0.01109	0.00038	0.05029	0.00681	0.03	75.23	9.62	9.57	71.11	2.45	2.45	208.22	330.31	299.90	71.11	2.45	2.45	206Pb/238U concordant scans	60	177
02431AZ1_10	304	292	1.04	0.07626	0.00839	0.01118	0.00039	0.04946	0.00560	0.05	74.62	7.93	7.90	71.69	2.48	2.48	169.69	275.56	254.13	71.69	2.48	2.48	206Pb/238U concordant scans	68	177
02431AZ1_6	861	467	1.85	0.07818	0.01000	0.01131	0.00073	0.05015	0.00658	0.20	76.44	9.44	9.40	72.48	4.68	4.68	202.11	319.65	291.10	72.48	4.68	4.68	206Pb/238U concordant scans	30	177
02431AZ1_85	403	148	2.73	0.08204	0.00718	0.01204	0.00031	0.04941	0.00444	0.03	80.06	6.75	6.72	77.17	1.95	1.95	167.21	216.87	203.38	77.17	1.95	1.95	206Pb/238U concordant scans	78	177
02431AZ1_77	349	118	2.95	0.10260	0.01025	0.01516	0.00039	0.04910	0.00498	0.06	99.17	9.46	9.42	96.97	2.50	2.50	152.44	246.47	229.20	96.97	2.50	2.50	206Pb/238U concordant scans	82	177
02431AZ1_47	575	206	2.79	0.19027	0.01511	0.02583	0.00095	0.05343	0.00439	0.14	176.86	12.93	12.85	164.37	5.94	5.94	347.22	191.34	180.63	164.37	5.94	5.94	206Pb/238U concordant scans	62	177
02431AZ1_79	238	129	1.84	0.20950	0.01657	0.02964	0.00069	0.05126	0.00413	0.06	193.13	13.96	13.87	188.31	4.31	4.31	252.49	190.73	180.16	188.31	4.31	4.31	206Pb/238U concordant scans	79	177
02431AZ1_73	199	51	3.92	0.21832	0.04624	0.03002	0.00218	0.05274	0.01163	0.05	200.51	38.91	38.18	190.68	13.64	13.62	317.76	544.36	465.87	190.68	13.64	13.62	206Pb/238U concordant scans	28	177
02431AZ1_9	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
02431AZ1_19	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
02431AZ1_49	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
02431AZ1_50	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
02431AZ1_58	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
02431AZ1_61	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
02431AZ1_68	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
02431AZ1_84	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
02431AZ1_86	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
02431AZ1_106	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0

Data Repository Item E - U-Pb zircon analytical results from Cantwell Formation bentonites

Mineral	**Zircon**
Sample Name	**03POLY**
A2Z Name	**1413-04**

	Uranium and Thorium			Concordant Scans: Isotopic Ratios							Concordant Scans: Ages									Preferred Age					
Analysis Name	**[U] (ppm)**	**[Th] (ppm)**	**U/Th**	**207Pb/235Uc**	**2 sigma**	**206Pb/238U**	**2 sigma**	**207Pb/206Pb**	**2 sigma**	**Error Correlation**	**207Pb/235Uc**	**2 -sigma**	**2 +sigma**	**206Pb/238U Age (**	**2 -sigma**	**2 +sigma**	**207Pb/206Pb**	**2 -sigma**	**2 +sigma**	**Preferred Age (Ma)**	**2 -sigma**	**2 +sigma**	**Age Type**	**Concordant S**	**Total Scans**
P1413_004_Zrn_A_1_MBD_105	282	193	1.46	0.06564	0.01981	0.00944	0.00091	0.05041	0.01563	0.07	64.55	18.96	18.79	60.60	5.79	5.79	213.77	427.54	648.51	60.60	5.79	5.79	206Pb/238U concordant scans	12	31
P1413_004_Zrn_A_1_MBD_84	268	231	1.16	0.06752	0.01351	0.00996	0.00082	0.04917	0.00977	0.22	66.34	12.89	12.81	63.88	5.27	5.26	156.03	312.06	434.92	63.88	5.27	5.26	206Pb/238U concordant scans	13	31
P1413_004_Zrn_A_1_MBD_64	241	209	1.15	0.07112	0.01347	0.01010	0.00056	0.05106	0.00986	0.07	69.76	12.81	12.73	64.79	3.60	3.60	243.64	478.24	416.86	64.79	3.60	3.60	206Pb/238U concordant scans	15	31
P1413_004_Zrn_A_1_MBD_112	163	212	0.77	0.07374	0.01382	0.01014	0.00052	0.05277	0.01009	0.05	72.25	13.11	13.02	65.01	3.33	3.33	318.95	466.64	407.76	65.01	3.33	3.33	206Pb/238U concordant scans	16	31
P1413_004_Zrn_A_1_MBD_110	160	82	1.96	0.07433	0.01681	0.01023	0.00059	0.05272	0.01213	0.05	72.80	15.95	15.83	65.59	3.76	3.76	316.64	570.54	484.91	65.59	3.76	3.76	206Pb/238U concordant scans	21	31
P1413_004_Zrn_A_1_MBD_97	112	103	1.09	0.06795	0.02151	0.01026	0.00078	0.04803	0.01549	0.04	66.75	20.56	20.35	65.81	5.01	5.00	100.63	201.26	685.54	65.81	5.01	5.00	206Pb/238U concordant scans	15	31
P1413_004_Zrn_A_1_MBD_79	126	81	1.54	0.11669	0.07196	0.01029	0.00092	0.08227	0.05113	0.02	112.07	66.50	64.40	65.97	5.88	5.88	1252.04	1543.59	1022.33	65.97	5.88	5.88	206Pb/238U concordant scans	18	31
P1413_004_Zrn_A_1_MBD_15	779	1028	0.76	0.06823	0.00773	0.01034	0.00032	0.04787	0.00544	0.10	67.02	7.36	7.33	66.30	2.02	2.01	92.62	185.24	258.64	66.30	2.02	2.01	206Pb/238U concordant scans	18	31
P1413_004_Zrn_A_1_MBD_13	402	545	0.74	0.06976	0.00780	0.01042	0.00040	0.04856	0.00555	0.07	68.47	7.41	7.39	66.83	2.53	2.52	126.43	252.85	258.57	66.83	2.53	2.52	206Pb/238U concordant scans	21	31
P1413_004_Zrn_A_1_MBD_58	1265	1838	0.69	0.07071	0.00649	0.01043	0.00028	0.04918	0.00454	0.09	69.37	6.17	6.15	66.87	1.79	1.79	156.37	223.55	209.25	66.87	1.79	1.79	206Pb/238U concordant scans	21	31
P1413_004_Zrn_A_1_MBD_14	682	619	1.10	0.07224	0.00845	0.01044	0.00035	0.05020	0.00594	0.08	70.82	8.01	7.98	66.93	2.22	2.22	204.26	286.72	263.54	66.93	2.22	2.22	206Pb/238U concordant scans	24	31
P1413_004_Zrn_A_1_MBD_102	300	251	1.19	0.06658	0.01336	0.01044	0.00061	0.04624	0.00909	0.21	65.45	12.76	12.68	66.98	3.91	3.91	9.97	19.94	441.73	66.98	3.91	3.91	206Pb/238U concordant scans	15	31
P1413_004_Zrn_A_1_MBD_57	397	292	1.36	0.07276	0.01215	0.01047	0.00050	0.05042	0.00854	0.08	71.31	11.54	11.47	67.12	3.19	3.19	214.28	417.73	370.22	67.12	3.19	3.19	206Pb/238U concordant scans	13	31
P1413_004_Zrn_A_1_MBD_116	264	255	1.04	0.07389	0.01203	0.01047	0.00081	0.05120	0.00900	0.05	72.38	11.41	11.35	67.12	5.14	5.14	249.93	431.88	381.18	67.12	5.14	5.14	206Pb/238U concordant scans	16	31
P1413_004_Zrn_A_1_MBD_56	482	1057	0.46	0.06980	0.01058	0.01047	0.00056	0.04835	0.00741	0.13	68.51	10.07	10.02	67.15	3.59	3.58	116.33	232.67	342.80	67.15	3.59	3.58	206Pb/238U concordant scans	7	31
P1413_004_Zrn_A_1_MBD_47	284	192	1.48	0.07596	0.01222	0.01051	0.00062	0.05243	0.00854	0.14	74.34	11.56	11.50	67.38	3.94	3.94	304.13	394.24	351.43	67.38	3.94	3.94	206Pb/238U concordant scans	12	31
P1413_004_Zrn_A_1_MBD_21	108	93	1.17	0.07143	0.01710	0.01053	0.00057	0.04919	0.01194	0.04	70.06	16.27	16.15	67.54	3.63	3.63	156.89	313.77	523.49	67.54	3.63	3.63	206Pb/238U concordant scans	24	31
P1413_004_Zrn_A_1_MBD_94	374	430	0.87	0.07104	0.00832	0.01056	0.00046	0.04880	0.00579	0.13	69.68	7.90	7.87	67.71	2.92	2.92	138.13	276.26	267.60	67.71	2.92	2.92	206Pb/238U concordant scans	17	31
P1413_004_Zrn_A_1_MBD_19	136	90	1.51	0.07515	0.01810	0.01058	0.00074	0.05152	0.01253	0.10	73.57	17.16	17.02	67.84	4.69	4.69	264.29	528.57	515.05	67.84	4.69	4.69	206Pb/238U concordant scans	13	31
P1413_004_Zrn_A_1_MBD_61	349	394	0.88	0.07219	0.01089	0.01059	0.00052	0.04945	0.00771	0.04	70.78	10.34	10.29	67.90	3.34	3.34	169.04	338.08	345.13	67.90	3.34	3.34	206Pb/238U concordant scans	23	31
P1413_004_Zrn_A_1_MBD_71	214	292	0.73	0.07893	0.01412	0.01063	0.00043	0.05387	0.00963	0.11	77.14	13.33	13.25	68.14	2.77	2.77	365.74	430.45	379.73	68.14	2.77	2.77	206Pb/238U concordant scans	21	31
P1413_004_Zrn_A_1_MBD_108	114	126	0.90	0.08329	0.02698	0.01068	0.00070	0.05654	0.01856	0.03	81.23	25.45	25.14	68.51	4.48	4.48	473.61	822.31	653.92	68.51	4.48	4.48	206Pb/238U concordant scans	21	31
P1413_004_Zrn_A_1_MBD_95	105	87	1.21	0.07758	0.02046	0.01071	0.00070	0.05254	0.01391	0.10	75.87	19.37	19.19	68.67	4.47	4.47	308.96	617.92	552.53	68.67	4.47	4.47	206Pb/238U concordant scans	24	31
P1413_004_Zrn_A_1_MBD_36	138	119	1.16	0.07267	0.01613	0.01074	0.00079	0.04908	0.01120	0.07	71.23	15.33	15.21	68.86	5.06	5.06	151.47	302.94	495.19	68.86	5.06	5.06	206Pb/238U concordant scans	16	31
P1413_004_Zrn_A_1_MBD_89	172	199	0.86	0.07389	0.01925	0.01074	0.00076	0.04988	0.01298	0.14	72.38	18.29	18.12	68.89	4.86	4.85	189.26	378.51	555.09	68.89	4.86	4.85	206Pb/238U concordant scans	19	31
P1413_004_Zrn_A_1_MBD_99	245	171	1.43	0.07133	0.01267	0.01076	0.00062	0.04807	0.00864	0.12	69.96	12.05	11.98	69.01	3.93	3.93	102.65	205.30	399.41	69.01	3.93	3.93	206Pb/238U concordant scans	19	31
P1413_004_Zrn_A_1_MBD_41	516	523	0.99	0.07120	0.00822	0.01077	0.00060	0.04797	0.00536	0.30	69.84	7.81	7.78	69.03	3.85	3.85	97.56	195.11	254.35	69.03	3.85	3.85	206Pb/238U concordant scans	14	31
P1413_004_Zrn_A_1_MBD_109	299	297	1.01	0.07147	0.01310	0.01078	0.00059	0.04810	0.00891	0.11	70.09	12.45	12.38	69.09	3.77	3.77	104.39	208.77	410.77	69.09	3.77	3.77	206Pb/238U concordant scans	11	31
P1413_004_Zrn_A_1_MBD_85	1173	2870	0.41	0.07241	0.00590	0.01083	0.00045	0.04851	0.00375	0.34	70.98	5.59	5.58	69.41	2.90	2.89	124.10	187.22	177.10	69.41	2.90	2.89	206Pb/238U concordant scans	16	31
P1413_004_Zrn_A_1_MBD_115	276	172	1.61	0.06987	0.01153	0.01083	0.00045	0.04677	0.00786	0.04	68.58	10.97	10.91	69.47	2.89	2.89	37.73	75.46	379.23	69.47	2.89	2.89	206Pb/238U concordant scans	20	31
P1413_004_Zrn_A_1_MBD_16	279	180	1.55	0.07471	0.01428	0.01085	0.00045	0.04993	0.00959	0.08	73.16	13.53	13.45	69.58	2.90	2.90	191.57	383.15	418.49	69.58	2.90	2.90	206Pb/238U concordant scans	22	31
P1413_004_Zrn_A_1_MBD_10	159	108	1.47	0.07868	0.01994	0.01086	0.00075	0.05257	0.01363	0.05	76.90	18.86	18.69	69.60	4.79	4.79	310.29	620.57	541.80	69.60	4.79	4.79	206Pb/238U concordant scans	14	31
P1413_004_Zrn_A_1_MBD_73	282	351	0.80	0.07073	0.00797	0.01086	0.00060	0.04723	0.00572	0.07	69.39	7.57	7.54	69.63	3.80	3.80	61.08	122.16	276.52	69.63	3.80	3.80	206Pb/238U concordant scans	11	31
P1413_004_Zrn_A_1_MBD_118	959	1368	0.70	0.07351	0.00676	0.01087	0.00029	0.04906	0.00454	0.09	72.02	6.41	6.39	69.67	1.86	1.86	150.78	224.55	210.13	69.67	1.86	1.86	206Pb/238U concordant scans	23	31
P1413_004_Zrn_A_1_MBD_74	163	121	1.35	0.08797	0.02304	0.01090	0.00059	0.05854	0.01552	0.04	85.61	21.62	21.39	69.88	3.78	3.79	550.05	638.43	531.72	69.88	3.78	3.79	206Pb/238U concordant scans	16	31
P1413_004_Zrn_A_1_MBD_4	201	151	1.33	0.08131	0.01529	0.01090	0.00058	0.05408	0.01034	0.07	79.37	14.40	14.30	69.91	3.69	3.69	374.47	461.62	403.74	69.91	3.69	3.69	206Pb/238U concordant scans	16	31
P1413_004_Zrn_A_1_MBD_59	326	113	2.88	0.08193	0.01438	0.01093	0.00166	0.05435	0.00979	0.40	79.96	13.54	13.45	70.09	10.61	10.60	385.69	432.24	381.06	70.09	10.61	10.60	206Pb/238U concordant scans	19	31
P1413_004_Zrn_A_1_MBD_72	245	214	1.15	0.07237	0.01839	0.01096	0.00084	0.04791	0.01259	0.03	70.94	17.49	17.34	70.24	5.36	5.36	94.67	189.33	569.73	70.24	5.36	5.36	206Pb/238U concordant scans	11	31
P1413_004_Zrn_A_1_MBD_68	126	124	1.01	0.08210	0.01829	0.01102	0.00069	0.05404	0.01239	0.03	80.12	17.23	17.09	70.64	4.42	4.42	372.87	561.99	478.46	70.64	4.42	4.42	206Pb/238U concordant scans	18	31
P1413_004_Zrn_A_1_MBD_11	177	154	1.15	0.07943	0.01956	0.01103	0.00052	0.05223	0.01281	0.11	77.61	18.48	18.32	70.72	3.29	3.29	295.37	590.75	516.08	70.72	3.29	3.29	206Pb/238U concordant scans	15	31
P1413_004_Zrn_A_1_MBD_30	140	115	1.22	0.08882	0.03516	0.01103	0.00081	0.05838	0.02327	0.05	86.40	33.06	32.53	70.74	5.16	5.16	543.98	1015.78	769.55	70.74	5.16	5.16	206Pb/238U concordant scans	11	31
P1413_004_Zrn_A_1_MBD_50	213	134	1.59	0.07781	0.01628	0.01107	0.00064	0.05099	0.01076	0.10	76.08	15.40	15.28	70.95	4.07	4.06	240.46	480.92	453.09	70.95	4.07	4.06	206Pb/238U concordant scans	18	31
P1413_004_Zrn_A_1_MBD_45	198	145	1.36	0.07717	0.01152	0.01110	0.00056	0.05041	0.00752	0.16	75.48	10.88	10.83	71.18	3.57	3.57	213.85	365.09	328.28	71.18	3.57	3.57	206Pb/238U concordant scans	19	31
P1413_004_Zrn_A_1_MBD_80	52	28	1.88	0.07246	0.03726	0.01113	0.00119	0.04721	0.02465	0.03	71.03	35.59	34.98	71.37	7.59	7.58	59.77	119.54	1053.70	71.37	7.59	7.58	206Pb/238U concordant scans	19	31
P1413_004_Zrn_A_1_MBD_37	137	97	1.41	0.08392	0.01976	0.01116	0.00067	0.05451	0.01304	0.06	81.82	18.60	18.43	71.57	4.25	4.24	392.24	586.92	496.31	71.57	4.25	4.24	206Pb/238U concordant scans	17	31
P1413_004_Zrn_A_1_MBD_38	183	93	1.97	0.07443	0.01575	0.01117	0.00065	0.04833	0.01038	0.08	72.90	14.94	14.83	71.61	4.16	4.16	115.40	230.79	470.78	71.61	4.16	4.16	206Pb/238U concordant scans	23	31
P1413_004_Zrn_A_1_MBD_3	143	74	1.95	0.08049	0.01852	0.01119	0.00084	0.05215	0.01195	0.17	78.61	17.48	17.33	71.76	5.39	5.38	291.91	570.47	484.98	71.76	5.39	5.38	206Pb/238U concordant scans	16	31
P1413_004_Zrn_A_1_MBD_117	118	97	1.21	0.10189	0.02940	0.01123	0.00064	0.06579	0.01924	0.03	98.52	27.27	26.91	72.00	4.09	4.09	799.76	681.00	559.35	72.00	4.09	4.09	206Pb/238U concordant scans	17	31
P1413_004_Zrn_A_1_MBD_107	161	102	1.58	0.10942	0.03555	0.01131	0.00125	0.07015	0.02296	0.15	105.43	32.80	32.28	72.51	7.99	7.99	932.81	755.71	607.79	72.51	7.99	7.99	206Pb/238U concordant scans	9	31
P1413_004_Zrn_A_1_MBD_35	243	139	1.75	0.07631	0.01118	0.01137	0.00047	0.04866	0.00716	0.11	74.67	10.57	10.52	72.90	3.01	3.01	131.65	263.31	328.93	72.90	3.01	3.01	206Pb/238U concordant scans	21	31
P1413_004_Zrn_A_1_MBD_44	179	193	0.92	0.08023	0.02055	0.01138	0.00110	0.05114	0.01363	0.07	78.36	19.41	19.23	72.93	7.03	7.02	247.17	494.33	561.97	72.93	7.03	7.02	206Pb/238U concordant scans	8	31
P1413_004_Zrn_A_1_MBD_6	434	296	1.47	0.08332	0.01185	0.01138	0.00056	0.05309	0.00763	0.13	81.26	11.14	11.08	72.96	3.58	3.58	332.82	343.42	310.42	72.96	3.58	3.58	206Pb/238U concordant scans	13	31
P1413_004_Zrn_A_1_MBD_92	195	312	0.62	0.07577	0.01172	0.01140	0.00055	0.04822	0.00751	0.12	74.16	11.09	11.03	73.05	3.48	3.48	110.07	220.14	348.41	73.05	3.48	3.48	206Pb/238U concordant scans	24	31
P1413_004_Zrn_A_1_MBD_62	94	64	1.47	0.08673	0.02091	0.01141	0.00096	0.05511	0.01373	0.07	84.45	19.63	19.44	73.16	6.10	6.10	416.66	610.76	513.10	73.16	6.10	6.10	206Pb/238U concordant scans	13	31
P1413_004_Zrn_A_1_MBD_24	135	67	2.01	0.08237	0.01648	0.01148	0.00101	0.05206	0.01112	0.05	80.37	15.52	15.40	73.55	6.47	6.46	288.07	529.06	454.75	73.55	6.47	6.46	206Pb/238U concordant scans	18	31
P1413_004_Zrn_A_1_MBD_114	62	47	1.33	0.10901	0.03962	0.01148	0.00065	0.06889	0.02527	0.01	105.06	36.61	35.96	73.56	4.16	4.16	895.51	865.94	677.33	73.56	4.16	4.16	206Pb/238U concordant scans	26	31
P1413_004_Zrn_A_1_MBD_90	278	180	1.54	0.08994	0.04724	0.01148	0.00050	0.05680	0.02985	0.03	87.45	44.50	43.54	73.61	3.17	3.17	483.82	967.64	988.60	73.61	3.17	3.17	206Pb/238U concordant scans	21	31
P1413_004_Zrn_A_1_MBD_77	362	167	2.16	0.07936	0.01139	0.01154	0.00051	0.04990	0.00733	0.06	77.55	10.74	10.69	73.94	3.22	3.22	190.23	361.03	325.05	73.94	3.22	3.22	206Pb/238U concordant scans	20	31
P1413_004_Zrn_A_1_MBD_12	137	97	1.40	0.08546	0.02613	0.01156	0.00087	0.05359	0.01680	0.01	83.26	24.59	24.30	74.12	5.52	5.52	354.02	708.03	639.87	74.12	5.52	5.52	206Pb/238U concordant scans	13	31
P1413_004_Zrn_A_1_MBD_28	98	84	1.16	0.08147	0.02118	0.01159	0.00061	0.05099	0.01331	0.08	79.53	19.99	19.79	74.28	3.90	3.89	240.31	480.62	551.69	74.28	3.90	3.89	206Pb/238U concordant scans	18	31
P1413_004_Zrn_A_1_MBD_78	316	302	1.05	0.08127	0.01042	0.01163	0.00053	0.05069	0.00658	0.13	79.33	9.81	9.76	74.52	3.40	3.40	226.70	314.73	286.97	74.52	3.40	3.40	206Pb/238U concordant scans	14	31
P1413_004_Zrn_A_1_MBD_31	221	121	1.83	0.10562	0.06542	0.01165	0.00128	0.06578	0.04093	0.06	101.95	60.99	59.21	74.64	8.17	8.16	799.35	1598.70	1088.63	74.64	8.17	8.16	206Pb/238U concordant scans	3	31
P1413_004_Zrn_A_1_MBD_55	418	350	1.19	0.07926	0.01800	0.01165	0.00081	0.04933	0.01144	0.07	77.45	17.00	16.86	74.69	5.13	5.13	163.51	327.01	501.46	74.69	5.13	5.13	206Pb/238U concordant scans	7	31
P1413_004_Zrn_A_1_MBD_52	209	152	1.38	0.08533	0.01689	0.01170	0.00059	0.05289	0.01053	0.10	83.14	15.86	15.74	74.99	3.74	3.74	324.21	486.51	422.83	74.99	3.74	3.74	206Pb/238U concordant scans	17	31
P1413_004_Zrn_A_1_MBD_8	88	50	1.77	0.07857	0.02247	0.01172	0.00107	0.04861	0.01442	0.03	76.80	21.26	21.04	75.13	6.80	6.79	128.99	257.98	632.21	75.13	6.80	6.79	206Pb/238U concordant scans	17	31
P1413_004_Zrn_A_1_MBD_9	262	218	1.20	0.09224	0.04066	0.01173	0.00104	0.05704	0.02530	0.07	89.59	38.16	37.45	75.17	6.64	6.64	492.94	985.89	852.40	75.17	6.64	6.64	206Pb/238U concordant scans	5	31
P1413_004_Zrn_A_1_MBD_70	61	58	1.05	0.08390	0.03431	0.01184	0.00101	0.05141	0.02128	0.04	81.80	32.40	31.89	75.86	6.41	6.40	259.15	518.31	833.26	75.86	6.41	6.40	206Pb/238U concordant scans	16	31
P1413_004_Zrn_A_1_MBD_25	79	59	1.33	0.08581	0.02836	0.01186	0.00113	0.05245	0.01770	0.07	83.59	26.69	26.35	76.04	7.18	7.17	305.13	610.26	689.44	76.04	7.18	7.17	206Pb/238U concordant scans	18	31
P1413_004_Zrn_A_1_MBD_82	162	97	1.67	0.08214	0.02788	0.01193	0.00081	0.04993	0.01709	0.05	80.15	26.33	25.99	76.46	5.15	5.14	191.70	383.39	711.80	76.46	5.15	5.14	206Pb/238U concordant scans	9	31
P1413_004_Zrn_A_1_MBD_42	137	108	1.27	0.09072	0.02599	0.01207	0.00102	0.05450	0.01544	0.18	88.17	24.34	24.05	77.36	6.47	6.47	391.86	707.51	579.82	77.36	6.47	6.47	206Pb/238U concordant scans	11	31
P1413_004_Zrn_A_1_MBD_22	207	85	2.43	0.08398	0.02596	0.01229	0.00082	0.04957	0.01550	0.05	81.88	24.46	24.17	78.73	5.23	5.22	174.71	349.42	657.87	78.73	5.23	5.22	206Pb/238U concordant scans	8	31
P1413_004_Zrn_A_1_MBD_53	83	65	1.27	0.09297	0.02613	0.01259	0.00097	0.05356	0.01494	0.16	90.26	24.42	24.13	80.65	6.15	6.15	352.63	700.70	575.51	80.65	6.15	6.15	206Pb/238U concordant scans	17	31
P1413_004_Zrn_A_1_MBD_83	235	104	2.25	0.10201	0.01786	0.01471	0.00066	0.05030	0.00875	0.14	98.63	16.52	16.39	94.12	4.19	4.18	208.97	417.94	380.19	94.12	4.19	4.18	206Pb/238U concordant scans	25	31
P1413_004_Zrn_A_1_MBD_33	489	222	2.20	0.10128	0.01303	0.01474	0.00090	0.04983	0.00634	0.25	97.95	12.05	11.98	94.33	5.70	5.70	187.18	310.30	283.35	94.33	5.70	5.70	206Pb/238U concordant scans	9	31
P1413_004_Zrn_A_1_MBD_63	558	308	1.81	0.10440	0.01217	0.01476	0.00053	0.05131	0.00610	0.06	100.83	11.22	11.16	94.43	3.39	3.38	254.81	285.69	262.59	94.43	3.39	3.38	206Pb/238U concordant scans	12	31
P1413_004_Zrn_A_1_MBD_81	2339	801	2.92	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.50	17.06	8.67	Pbc-corrected isotopic sums	0	31
P1413_004_Zrn_A_1_MBD_29	1974	787	2.51	0.09721	0.00685	0.01478	0.00058	0.04769	0.00295	0.48	94.19	6.35	6.33	94.59	3.66	3.66	84.15	150.10	143.54	94.59	3.66	3.66	206Pb/238U concordant scans	19	31

P1413_004_Zrn_A_1_MBD_60	598	285	2.09	0.09971	0.00612	0.01480	0.00044	0.04885	0.00301	0.18	96.51	5.65	5.64	94.73	2.79	2.79	140.80	148.02	141.62	94.73	2.79	2.79	206Pb/238U concordant scans	22	31
P1413_004_Zrn_A_1_MBD_111	1154	472	2.44	0.09820	0.00910	0.01483	0.00039	0.04802	0.00455	0.02	95.12	8.43	8.40	94.91	2.51	2.51	100.34	200.67	217.00	94.91	2.51	2.51	206Pb/238U concordant scans	7	31
P1413_004_Zrn_A_1_MBD_48	325	189	1.72	0.10160	0.01323	0.01493	0.00074	0.04937	0.00624	0.26	98.25	12.23	12.16	95.51	4.71	4.71	165.32	309.56	282.77	95.51	4.71	4.71	206Pb/238U concordant scans	22	31
P1413_004_Zrn_A_1_MBD_65	573	386	1.49	0.10761	0.01062	0.01521	0.00057	0.05131	0.00516	0.11	103.78	9.76	9.71	97.31	3.62	3.62	254.98	239.72	223.24	97.31	3.62	3.62	206Pb/238U concordant scans	20	31
P1413_004_Zrn_A_1_MBD_5	236	147	1.61	0.11082	0.01618	0.01522	0.00103	0.05280	0.00780	0.20	106.71	14.84	14.73	97.39	6.54	6.54	320.12	354.15	319.19	97.39	6.54	6.54	206Pb/238U concordant scans	12	31
P1413_004_Zrn_A_1_MBD_67	1119	497	2.25	0.10104	0.00815	0.01525	0.00051	0.04806	0.00385	0.20	97.74	7.53	7.51	97.55	3.26	3.26	102.22	195.24	184.28	97.55	3.26	3.26	206Pb/238U concordant scans	26	31
P1413_004_Zrn_A_1_MBD_113	848	655	1.29	0.10674	0.00791	0.01530	0.00072	0.05059	0.00396	0.20	102.97	7.27	7.24	97.90	4.58	4.58	222.03	186.10	176.04	97.90	4.58	4.58	206Pb/238U concordant scans	14	31
P1413_004_Zrn_A_1_MBD_66	447	338	1.32	0.10406	0.01188	0.01533	0.00046	0.04923	0.00567	0.07	100.52	10.95	10.89	98.07	2.91	2.91	158.90	281.12	258.86	98.07	2.91	2.91	206Pb/238U concordant scans	20	31
P1413_004_Zrn_A_1_MBD_46	469	328	1.43	0.10798	0.01398	0.01542	0.00112	0.05079	0.00608	0.41	104.11	12.85	12.77	98.64	7.13	7.13	231.41	288.70	265.17	98.64	7.13	7.13	206Pb/238U concordant scans	12	31
P1413_004_Zrn_A_1_MBD_100	920	274	3.35	0.10259	0.01138	0.01542	0.00066	0.04825	0.00516	0.28	99.17	10.51	10.45	98.65	4.16	4.16	111.59	223.17	243.17	98.65	4.16	4.16	206Pb/238U concordant scans	20	31
P1413_004_Zrn_A_1_MBD_75	356	227	1.57	0.10044	0.01329	0.01545	0.00061	0.04715	0.00629	0.11	97.18	12.30	12.22	98.83	3.89	3.89	57.04	114.09	303.39	98.83	3.89	3.89	206Pb/238U concordant scans	22	31
P1413_004_Zrn_A_1_MBD_119	691	176	3.93	0.10462	0.01126	0.01548	0.00062	0.04900	0.00542	0.09	101.03	10.38	10.33	99.05	3.96	3.96	147.96	270.20	249.58	99.05	3.96	3.96	206Pb/238U concordant scans	18	31
P1413_004_Zrn_A_1_MBD_76	174	145	1.20	0.11723	0.02558	0.01560	0.00071	0.05451	0.01201	0.05	112.56	23.39	23.12	99.78	4.49	4.49	392.18	536.36	459.68	99.78	4.49	4.49	206Pb/238U concordant scans	18	31
P1413_004_Zrn_A_1_MBD_96	421	259	1.62	0.18211	0.01696	0.02689	0.00100	0.04912	0.00450	0.22	169.87	14.62	14.51	171.04	6.26	6.26	153.61	221.91	207.81	171.04	6.26	6.26	206Pb/238U concordant scans	23	31
P1413_004_Zrn_A_1_MBD_43	643	260	2.47	0.20237	0.01471	0.02832	0.00107	0.05183	0.00356	0.35	187.13	12.46	12.38	180.02	6.72	6.72	277.91	161.33	153.69	180.02	6.72	6.72	206Pb/238U concordant scans	24	31
P1413_004_Zrn_A_1_MBD_27	516	349	1.48	0.20044	0.01928	0.02844	0.00095	0.05112	0.00489	0.17	185.50	16.37	16.24	180.77	5.96	5.95	246.04	228.11	213.15	180.77	5.96	5.95	206Pb/238U concordant scans	24	31
P1413_004_Zrn_A_1_MBD_104	254	103	2.48	0.20424	0.01906	0.02876	0.00122	0.05151	0.00483	0.20	188.71	16.14	16.01	182.76	7.62	7.62	263.78	222.56	208.28	182.76	7.62	7.62	206Pb/238U concordant scans	20	31
P1413_004_Zrn_A_1_MBD_101	295	136	2.16	0.20849	0.02996	0.02946	0.00144	0.05132	0.00723	0.22	192.29	25.33	25.02	187.18	9.05	9.04	255.40	340.88	308.49	187.18	9.05	9.04	206Pb/238U concordant scans	15	31
P1413_004_Zrn_A_1_MBD_69	971	1107	0.88	0.20668	0.01015	0.02971	0.00074	0.05045	0.00239	0.28	190.77	8.56	8.52	188.75	4.61	4.61	215.74	111.57	107.87	188.75	4.61	4.61	206Pb/238U concordant scans	28	31
P1413_004_Zrn_A_1_MBD_40	624	198	3.15	0.21409	0.01313	0.03127	0.00115	0.04966	0.00283	0.39	196.98	11.01	10.95	198.49	7.21	7.21	178.94	135.84	130.42	198.49	7.21	7.21	206Pb/238U concordant scans	21	31
P1413_004_Zrn_A_1_MBD_26	568	282	2.02	0.22044	0.01368	0.03130	0.00125	0.05107	0.00282	0.47	202.28	11.42	11.35	198.71	7.79	7.79	244.05	129.97	124.97	198.71	7.79	7.79	206Pb/238U concordant scans	27	31
P1413_004_Zrn_A_1_MBD_91	632	291	2.17	0.22126	0.01224	0.03155	0.00109	0.05087	0.00263	0.39	202.96	10.20	10.15	200.23	6.79	6.78	234.75	121.61	117.23	200.23	6.79	6.78	206Pb/238U concordant scans	22	31
P1413_004_Zrn_A_1_MBD_93	146	92	1.59	0.22798	0.02950	0.03200	0.00124	0.05167	0.00664	0.16	208.53	24.54	24.24	203.07	7.72	7.71	270.79	309.01	282.14	203.07	7.72	7.71	206Pb/238U concordant scans	22	31
P1413_004_Zrn_A_1_MBD_103	299	127	2.35	0.23743	0.01845	0.03313	0.00140	0.05198	0.00391	0.32	216.31	15.19	15.08	210.10	8.75	8.74	284.46	176.58	167.46	210.10	8.75	8.74	206Pb/238U concordant scans	24	31
P1413_004_Zrn_A_1_MBD_23	162	68	2.36	0.24290	0.02749	0.03339	0.00122	0.05277	0.00582	0.23	220.79	22.58	22.33	211.71	7.61	7.60	318.77	260.94	241.46	211.71	7.61	7.60	206Pb/238U concordant scans	16	31
P1413_004_Zrn_A_1_MBD_18	400	155	2.58	0.24813	0.01617	0.03585	0.00121	0.05019	0.00309	0.35	225.06	13.19	13.11	227.08	7.53	7.53	204.00	145.84	139.60	227.08	7.53	7.53	206Pb/238U concordant scans	26	31
P1413_004_Zrn_A_1_MBD_32	614	143	4.29	0.29518	0.01601	0.04013	0.00143	0.05334	0.00279	0.35	262.63	12.59	12.51	253.65	8.89	8.89	343.49	120.38	116.05	253.65	8.89	8.89	206Pb/238U concordant scans	25	31
P1413_004_Zrn_A_1_MBD_34	737	54	13.53	0.34677	0.02170	0.04533	0.00169	0.05548	0.00314	0.44	302.29	16.43	16.30	285.80	10.43	10.42	431.56	128.53	123.59	285.80	10.43	10.42	206Pb/238U concordant scans	31	31
P1413_004_Zrn_A_1_MBD_98	305	112	2.72	0.39326	0.02923	0.05325	0.00268	0.05356	0.00348	0.50	336.75	21.41	21.19	334.44	16.41	16.39	352.70	150.28	143.59	334.44	16.41	16.39	206Pb/238U concordant scans	10	31
P1413_004_Zrn_A_1_MBD_88	175	76	2.30	0.48136	0.03725	0.06514	0.00186	0.05360	0.00401	0.26	399.01	25.69	25.37	406.80	11.25	11.24	354.09	173.54	164.68	406.80	11.25	11.24	206Pb/238U concordant scans	28	31
P1413_004_Zrn_A_1_MBD_49	187	76	2.46	0.66474	0.04860	0.08347	0.00340	0.05776	0.00388	0.41	517.51	29.86	29.43	516.78	20.24	20.20	520.72	151.07	144.25	516.78	20.24	20.20	206Pb/238U concordant scans	27	31
P1413_004_Zrn_A_1_MBD_39	379	220	1.72	0.84810	0.04576	0.09879	0.00353	0.06226	0.00286	0.53	623.61	25.30	24.99	607.32	20.73	20.70	683.16	99.54	96.50	607.32	20.73	20.70	206Pb/238U concordant scans	29	31
P1413_004_Zrn_A_1_MBD_86	59	13	4.60	0.89004	0.09925	0.09460	0.00925	0.06823	0.00762	0.43	646.39	54.03	52.63	582.71	54.59	54.36	875.65	240.05	222.92	646.39	54.03	52.63	207Pb/235Uc concordant scans	21	31
P1413_004_Zrn_A_1_MBD_54	102	53	1.93	2.22504	0.59738	0.18200	0.03833	0.08867	0.01771	0.68	1188.96	197.37	179.87	1077.87	210.78	207.38	1397.03	409.24	360.56	1188.96	197.37	179.87	207Pb/235Uc concordant scans	2	31
P1413_004_Zrn_A_1_MBD_7	696	225	3.10	4.00986	0.18599	0.28859	0.01217	0.10078	0.00342	0.69	1636.20	38.05	37.35	1634.46	61.01	60.72	1638.44	63.63	62.31	1636.20	38.05	37.35	207Pb/235Uc concordant scans	31	31
P1413_004_Zrn_A_1_MBD_17	68	89	0.76	4.84164	0.23843	0.30829	0.01026	0.11390	0.00480	0.52	1792.16	41.87	41.03	1732.27	50.64	50.44	1862.61	77.12	75.17	1792.16	41.87	41.03	207Pb/235Uc concordant scans	25	31
P1413_004_Zrn_A_1_MBD_20	46	61	0.76	5.78318	0.30345	0.35419	0.01184	0.11842	0.00536	0.51	1943.90	45.94	44.92	1954.60	56.47	56.23	1932.51	82.12	79.90	1943.90	45.94	44.92	207Pb/235Uc concordant scans	29	31
P1413_004_Zrn_A_1_MBD_51	219	77	2.86	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1966.64	444.54	120.28	Pbc-corrected isotopic sums	0	31
P1413_004_Zrn_A_1_MBD_0	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_004_Zrn_A_1_MBD_1	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_004_Zrn_A_1_MBD_2	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_004_Zrn_A_1_MBD_87	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_004_Zrn_A_1_MBD_106	771	332	2.32	0.06272	0.04030	0.01065	0.00147	0.04272	0.02717	0.16	61.76	38.88	38.15	68.28	9.40	9.39	0.00	0.00	928.32	0.00	0.00	0.00	Pbc-corrected concordant scans	4	31

Data Repository Item E - U-Pb zircon analytical results from Cantwell Formation bentonites

Mineral	**Zircon**
Sample Name	**01DOB**
A2Z Name	**1413-01**

	Uranium and Thorium			Concordant Scans: Isotopic Ratios							Concordant Scans: Ages									Preferred Age					
Analysis Name	**[U] (ppm)**	**[Th] (ppm)**	**U/Th**	**207Pb/235Uc**	**2 sigma**	**206Pb/238U**	**2 sigma**	**207Pb/206Pb**	**2 sigma**	**Error Correlation**	**207Pb/235Uc**	**2 -sigma**	**2 +sigma**	**206Pb/238U Age**	**2 -sigma**	**2 +sigma**	**207Pb/206Pb**	**2 -sigma**	**2 +sigma**	**Preferred Age (Ma)**	**2 -sigma**	**2 +sigma**	**Age Type**	**Concordant**	**Total Scans**
P1413_001_Zrn_A_1_MBD_118	83	2	38.94	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.35	13.99	18.66	Pbc-corrected isotopic sums	0	31
P1413_001_Zrn_A_1_MBD_87	141	41	3.44	0.05851	0.02016	0.00856	0.00074	0.04958	0.01729	0.07	57.73	19.43	19.25	54.94	4.74	4.74	175.15	350.29	725.91	54.94	4.74	4.74	206Pb/238U concordant scans	15	31
P1413_001_Zrn_A_1_MBD_15	1748	625	2.80	0.05848	0.00496	0.00864	0.00030	0.04907	0.00398	0.30	57.70	4.76	4.75	55.47	1.91	1.91	151.24	195.71	184.66	55.47	1.91	1.91	206Pb/238U concordant scans	23	31
P1413_001_Zrn_A_1_MBD_62	116	38	3.08	0.08133	0.03466	0.00871	0.00075	0.06776	0.02926	0.03	79.39	32.81	32.29	55.87	4.77	4.77	861.14	1053.98	787.30	55.87	4.77	4.77	206Pb/238U concordant scans	9	31
P1413_001_Zrn_A_1_MBD_44	4862	1844	2.64	0.05967	0.00318	0.00885	0.00025	0.04888	0.00246	0.35	58.85	3.05	3.05	56.82	1.62	1.62	142.24	120.25	115.99	56.82	1.62	1.62	206Pb/238U concordant scans	31	31
P1413_001_Zrn_A_1_MBD_75	832	247	3.37	0.06225	0.00500	0.00903	0.00034	0.04998	0.00400	0.22	61.32	4.78	4.77	57.97	2.14	2.14	194.06	191.36	180.75	57.97	2.14	2.14	206Pb/238U concordant scans	18	31
P1413_001_Zrn_A_1_MBD_88	864	194	4.45	0.05977	0.00763	0.00909	0.00031	0.04772	0.00605	0.15	58.95	7.32	7.29	58.30	1.96	1.96	85.18	170.37	287.59	58.30	1.96	1.96	206Pb/238U concordant scans	19	31
P1413_001_Zrn_A_1_MBD_28	341	108	3.14	0.06327	0.00788	0.00913	0.00046	0.05026	0.00637	0.15	62.29	7.54	7.51	58.59	2.93	2.93	206.98	307.90	281.31	58.59	2.93	2.93	206Pb/238U concordant scans	24	31
P1413_001_Zrn_A_1_MBD_92	140	34	4.10	0.07018	0.01520	0.00932	0.00054	0.05460	0.01205	0.05	68.87	14.47	14.37	59.82	3.43	3.42	395.70	536.99	460.13	59.82	3.43	3.42	206Pb/238U concordant scans	19	31
P1413_001_Zrn_A_1_MBD_96	1087	300	3.62	0.06159	0.01345	0.00939	0.00045	0.04760	0.01045	0.08	60.69	12.90	12.82	60.22	2.90	2.90	79.28	158.56	483.95	60.22	2.90	2.90	206Pb/238U concordant scans	21	31
P1413_001_Zrn_A_1_MBD_52	654	153	4.28	0.07090	0.00954	0.00954	0.00029	0.05387	0.00719	0.14	69.55	9.06	9.02	61.24	1.87	1.86	365.71	315.94	287.74	61.24	1.87	1.86	206Pb/238U concordant scans	16	31
P1413_001_Zrn_A_1_MBD_93	124	49	2.55	0.12110	0.10318	0.00966	0.00232	0.09093	0.07964	0.04	116.07	95.67	91.37	61.97	14.79	14.78	1445.08	2398.89	1325.91	61.97	14.79	14.78	206Pb/238U concordant scans	7	31
P1413_001_Zrn_A_1_MBD_68	104	32	3.21	0.06451	0.01814	0.01014	0.00041	0.04615	0.01298	0.06	63.47	17.38	17.23	65.02	2.62	2.61	5.41	10.83	615.81	65.02	2.62	2.61	206Pb/238U concordant scans	23	31
P1413_001_Zrn_A_1_MBD_38	642	713	0.90	0.06864	0.00859	0.01023	0.00074	0.04865	0.00549	0.45	67.41	8.18	8.15	65.64	4.71	4.71	130.84	261.69	255.24	65.64	4.71	4.71	206Pb/238U concordant scans	23	31
P1413_001_Zrn_A_1_MBD_40	115	48	2.40	0.06820	0.02479	0.01028	0.00086	0.04811	0.01784	0.02	66.99	23.70	23.42	65.94	5.48	5.48	104.58	209.15	776.16	65.94	5.48	5.48	206Pb/238U concordant scans	14	31
P1413_001_Zrn_A_1_MBD_72	95	49	1.96	0.07775	0.02636	0.01033	0.00068	0.05459	0.01862	0.06	76.03	24.99	24.68	66.25	4.33	4.32	395.65	791.30	685.47	66.25	4.33	4.32	206Pb/238U concordant scans	17	31
P1413_001_Zrn_A_1_MBD_116	417	333	1.25	0.06945	0.01430	0.01034	0.00066	0.04872	0.01029	0.06	68.17	13.62	13.53	66.30	4.19	4.19	134.40	268.80	462.12	66.30	4.19	4.19	206Pb/238U concordant scans	5	31
P1413_001_Zrn_A_1_MBD_58	316	126	2.50	0.07494	0.01209	0.01046	0.00041	0.05195	0.00852	0.04	73.37	11.45	11.39	67.09	2.61	2.61	283.33	398.71	355.02	67.09	2.61	2.61	206Pb/238U concordant scans	24	31
P1413_001_Zrn_A_1_MBD_6	99	42	2.35	0.09170	0.03861	0.01047	0.00086	0.06352	0.02684	0.08	89.08	36.23	35.60	67.15	5.51	5.51	725.58	1052.06	787.87	67.15	5.51	5.51	206Pb/238U concordant scans	12	31
P1413_001_Zrn_A_1_MBD_84	85	37	2.28	0.09044	0.02536	0.01054	0.00073	0.06222	0.01763	0.08	87.91	23.76	23.48	67.60	4.63	4.63	681.63	671.22	553.44	67.60	4.63	4.63	206Pb/238U concordant scans	25	31
P1413_001_Zrn_A_1_MBD_31	69	21	3.21	0.07177	0.02211	0.01055	0.00090	0.04932	0.01549	0.06	70.38	21.06	20.84	67.68	5.73	5.73	163.11	326.21	662.02	67.68	5.73	5.73	206Pb/238U concordant scans	15	31
P1413_001_Zrn_A_1_MBD_74	220	134	1.65	0.09408	0.04533	0.01058	0.00094	0.06451	0.03110	0.09	91.29	42.51	41.64	67.82	6.01	6.00	758.53	1224.91	880.11	67.82	6.01	6.00	206Pb/238U concordant scans	3	31
P1413_001_Zrn_A_1_MBD_24	226	92	2.44	0.07597	0.01683	0.01058	0.00049	0.05206	0.01156	0.09	74.35	15.95	15.82	67.87	3.12	3.12	287.99	551.69	471.37	67.87	3.12	3.12	206Pb/238U concordant scans	19	31
P1413_001_Zrn_A_1_MBD_102	1671	1640	1.02	0.07031	0.00406	0.01059	0.00028	0.04813	0.00276	0.20	68.99	3.86	3.85	67.94	1.81	1.81	105.61	138.53	132.92	67.94	1.81	1.81	206Pb/238U concordant scans	23	31
P1413_001_Zrn_A_1_MBD_32	152	52	2.95	0.07047	0.01528	0.01062	0.00062	0.04813	0.01063	0.06	69.14	14.55	14.44	68.10	3.94	3.94	105.48	210.96	484.03	68.10	3.94	3.94	206Pb/238U concordant scans	9	31
P1413_001_Zrn_A_1_MBD_26	60	21	2.92	0.08818	0.03404	0.01065	0.00118	0.06007	0.02387	0.04	85.81	32.01	31.52	68.27	7.56	7.56	605.98	1000.58	760.09	68.27	7.56	7.56	206Pb/238U concordant scans	12	31
P1413_001_Zrn_A_1_MBD_25	2582	1889	1.37	0.07107	0.00526	0.01065	0.00043	0.04840	0.00340	0.35	69.71	5.00	4.98	68.29	2.73	2.73	118.94	169.96	161.58	68.29	2.73	2.73	206Pb/238U concordant scans	21	31
P1413_001_Zrn_A_1_MBD_2	291	140	2.08	0.07400	0.01297	0.01066	0.00065	0.05034	0.00884	0.16	72.49	12.30	12.22	68.36	4.16	4.16	210.89	421.78	383.58	68.36	4.16	4.16	206Pb/238U concordant scans	19	31
P1413_001_Zrn_A_1_MBD_59	107	39	2.76	0.07537	0.02067	0.01071	0.00110	0.05103	0.01482	0.02	73.78	19.61	19.43	68.69	6.99	6.99	242.04	484.08	608.31	68.69	6.99	6.99	206Pb/238U concordant scans	16	31
P1413_001_Zrn_A_1_MBD_94	253	114	2.21	0.07441	0.01247	0.01077	0.00044	0.05010	0.00853	0.04	72.87	11.82	11.75	69.07	2.81	2.81	199.59	399.17	373.13	69.07	2.81	2.81	206Pb/238U concordant scans	20	31
P1413_001_Zrn_A_1_MBD_64	1413	916	1.54	0.07357	0.00658	0.01079	0.00041	0.04944	0.00439	0.22	72.08	6.24	6.22	69.21	2.64	2.64	168.61	214.31	201.11	69.21	2.64	2.64	206Pb/238U concordant scans	14	31
P1413_001_Zrn_A_1_MBD_70	72	24	2.96	0.07598	0.02906	0.01080	0.00068	0.05103	0.01970	0.02	74.36	27.61	27.24	69.24	4.33	4.33	242.25	484.50	785.70	69.24	4.33	4.33	206Pb/238U concordant scans	21	31
P1413_001_Zrn_A_1_MBD_16	391	160	2.44	0.08300	0.01463	0.01080	0.00075	0.05573	0.00985	0.19	80.96	13.76	13.67	69.26	4.76	4.76	441.73	419.16	370.70	69.26	4.76	4.76	206Pb/238U concordant scans	11	31
P1413_001_Zrn_A_1_MBD_85	96	44	2.19	0.07661	0.02514	0.01092	0.00109	0.05088	0.01715	0.06	74.96	23.85	23.57	70.02	6.92	6.92	235.20	470.39	696.84	70.02	6.92	6.92	206Pb/238U concordant scans	13	31
P1413_001_Zrn_A_1_MBD_55	197	97	2.04	0.08234	0.02530	0.01097	0.00087	0.05443	0.01715	0.02	80.34	23.87	23.59	70.34	5.54	5.54	388.86	777.72	639.16	70.34	5.54	5.54	206Pb/238U concordant scans	7	31
P1413_001_Zrn_A_1_MBD_89	285	138	2.06	0.07376	0.01300	0.01099	0.00048	0.04867	0.00862	0.09	72.26	12.33	12.25	70.47	3.09	3.09	131.90	263.80	392.02	70.47	3.09	3.09	206Pb/238U concordant scans	14	31
P1413_001_Zrn_A_1_MBD_48	133	55	2.42	0.07946	0.02206	0.01102	0.00102	0.05228	0.01522	0.01	77.64	20.86	20.65	70.67	6.51	6.50	297.69	595.38	603.75	70.67	6.51	6.50	206Pb/238U concordant scans	14	31
P1413_001_Zrn_A_1_MBD_111	367	152	2.41	0.09151	0.04437	0.01103	0.00067	0.06018	0.02935	0.01	88.91	41.70	40.87	70.70	4.26	4.26	610.09	1220.18	909.10	70.70	4.26	4.26	206Pb/238U concordant scans	20	31
P1413_001_Zrn_A_1_MBD_98	61	25	2.48	0.09681	0.03412	0.01106	0.00098	0.06348	0.02290	0.03	93.83	31.83	31.34	70.91	6.26	6.26	724.41	875.25	684.55	70.91	6.26	6.26	206Pb/238U concordant scans	18	31
P1413_001_Zrn_A_1_MBD_35	206	55	3.74	0.07635	0.01469	0.01109	0.00097	0.04993	0.01039	0.03	74.71	13.90	13.81	71.10	6.18	6.17	191.72	383.44	451.26	71.10	6.18	6.17	206Pb/238U concordant scans	9	31
P1413_001_Zrn_A_1_MBD_18	246	66	3.75	0.08511	0.02485	0.01115	0.00066	0.05536	0.01621	0.09	82.94	23.39	23.12	71.49	4.22	4.21	426.61	729.24	594.07	71.49	4.22	4.21	206Pb/238U concordant scans	7	31
P1413_001_Zrn_A_1_MBD_86	204	47	4.29	0.07452	0.01710	0.01117	0.00065	0.04838	0.01128	0.06	72.98	16.23	16.10	71.61	4.11	4.11	118.05	236.10	507.77	71.61	4.11	4.11	206Pb/238U concordant scans	16	31
P1413_001_Zrn_A_1_MBD_4	115	43	2.69	0.08076	0.01508	0.01126	0.00081	0.05200	0.00966	0.20	78.86	14.22	14.12	72.20	5.18	5.18	285.61	455.24	399.14	72.20	5.18	5.18	206Pb/238U concordant scans	17	31
P1413_001_Zrn_A_1_MBD_69	66	21	3.13	0.08111	0.03089	0.01128	0.00111	0.05215	0.02034	0.03	79.19	29.23	28.81	72.31	7.05	7.05	292.16	584.31	786.23	72.31	7.05	7.05	206Pb/238U concordant scans	18	31
P1413_001_Zrn_A_1_MBD_43	3351	3790	0.88	0.07653	0.00818	0.01130	0.00047	0.04914	0.00510	0.26	74.88	7.73	7.70	72.41	2.97	2.97	154.34	252.42	234.33	72.41	2.97	2.97	206Pb/238U concordant scans	8	31
P1413_001_Zrn_A_1_MBD_37	99	47	2.08	0.08013	0.02537	0.01130	0.00094	0.05144	0.01670	0.03	78.26	23.99	23.71	72.42	5.97	5.97	260.63	521.27	670.68	72.42	5.97	5.97	206Pb/238U concordant scans	11	31
P1413_001_Zrn_A_1_MBD_42	250	110	2.27	0.08247	0.01960	0.01134	0.00061	0.05277	0.01265	0.07	80.47	18.46	18.30	72.67	3.86	3.86	318.74	596.37	503.43	72.67	3.86	3.86	206Pb/238U concordant scans	18	31
P1413_001_Zrn_A_1_MBD_51	133	53	2.52	0.07735	0.01906	0.01137	0.00088	0.04932	0.01252	0.06	75.65	18.05	17.89	72.91	5.59	5.59	163.16	326.32	544.98	72.91	5.59	5.59	206Pb/238U concordant scans	19	31
P1413_001_Zrn_A_1_MBD_108	230	90	2.55	0.07774	0.01455	0.01141	0.00058	0.04941	0.00943	0.05	76.02	13.75	13.66	73.15	3.73	3.73	167.26	334.51	417.90	73.15	3.73	3.73	206Pb/238U concordant scans	21	31
P1413_001_Zrn_A_1_MBD_82	224	104	2.15	0.07505	0.01487	0.01141	0.00090	0.04770	0.00972	0.12	73.48	14.10	14.00	73.15	5.75	5.75	84.26	168.52	450.77	73.15	5.75	5.75	206Pb/238U concordant scans	17	31
P1413_001_Zrn_A_1_MBD_23	110	47	2.33	0.07708	0.01657	0.01150	0.00092	0.04860	0.01105	0.02	75.39	15.68	15.56	73.73	5.86	5.86	128.42	256.83	495.31	73.73	5.86	5.86	206Pb/238U concordant scans	19	31
P1413_001_Zrn_A_1_MBD_77	147	56	2.62	0.08264	0.01571	0.01153	0.00067	0.05197	0.01015	0.05	80.62	14.79	14.68	73.91	4.24	4.24	284.27	480.31	418.29	73.91	4.24	4.24	206Pb/238U concordant scans	16	31
P1413_001_Zrn_A_1_MBD_14	222	65	3.42	0.08287	0.01470	0.01162	0.00061	0.05174	0.00934	0.08	80.84	13.83	13.73	74.45	3.87	3.87	274.11	442.05	389.00	74.45	3.87	3.87	206Pb/238U concordant scans	22	31
P1413_001_Zrn_A_1_MBD_81	316	35	9.14	0.08048	0.01040	0.01171	0.00042	0.04987	0.00657	0.05	78.60	9.79	9.75	75.02	2.65	2.65	188.94	321.62	292.76	75.02	2.65	2.65	206Pb/238U concordant scans	21	30
P1413_001_Zrn_A_1_MBD_112	276	117	2.36	0.07853	0.01292	0.01179	0.00050	0.04829	0.00807	0.05	76.76	12.20	12.13	75.59	3.19	3.20	113.40	226.81	372.23	75.59	3.19	3.20	206Pb/238U concordant scans	25	31
P1413_001_Zrn_A_1_MBD_104	203	86	2.36	0.08439	0.02556	0.01189	0.00108	0.05148	0.01586	0.09	82.26	24.08	23.80	76.18	6.88	6.88	262.50	525.01	639.45	76.18	6.88	6.88	206Pb/238U concordant scans	6	31
P1413_001_Zrn_A_1_MBD_27	348	109	3.19	0.08351	0.00931	0.01220	0.00048	0.04965	0.00562	0.12	81.44	8.74	8.71	78.16	3.04	3.04	178.67	275.31	253.90	78.16	3.04	3.04	206Pb/238U concordant scans	18	31
P1413_001_Zrn_A_1_MBD_119	191	164	1.17	0.08952	0.01799	0.01222	0.00054	0.05313	0.01081	0.04	87.05	16.84	16.70	78.30	3.43	3.43	334.23	497.47	431.04	78.30	3.43	3.43	206Pb/238U concordant scans	20	31
P1413_001_Zrn_A_1_MBD_47	140	123	1.14	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	84.51	28.32	33.21	Pbc-corrected isotopic sums	0	31
P1413_001_Zrn_A_1_MBD_19	88	54	1.63	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	87.59	17.30	17.60	Pbc-corrected isotopic sums	0	31
P1413_001_Zrn_A_1_MBD_115	199	5	42.29	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.07	9.26	14.06	Pbc-corrected isotopic sums	0	31
P1413_001_Zrn_A_1_MBD_20	1389	578	2.40	0.10121	0.00918	0.01425	0.00052	0.05151	0.00447	0.30	97.89	8.48	8.44	91.22	3.30	3.30	263.58	205.35	193.13	91.22	3.30	3.30	206Pb/238U concordant scans	22	31
P1413_001_Zrn_A_1_MBD_103	612	303	2.02	0.10259	0.01020	0.01434	0.00058	0.05188	0.00525	0.14	99.16	9.42	9.37	91.80	3.70	3.70	280.08	240.08	223.53	91.80	3.70	3.70	206Pb/238U concordant scans	14	31
P1413_001_Zrn_A_1_MBD_13	92	63	1.47	0.13097	0.06236	0.01440	0.00133	0.06597	0.03170	0.05	124.97	56.78	55.23	92.15	8.46	8.45	805.56	1209.56	871.49	92.15	8.46	8.45	206Pb/238U concordant scans	8	31
P1413_001_Zrn_A_1_MBD_45	823	320	2.58	0.09925	0.00716	0.01444	0.00066	0.04985	0.00362	0.29	96.08	6.62	6.60	92.42	4.18	4.18	187.82	173.77	164.98	92.42	4.18	4.18	206Pb/238U concordant scans	16	31
P1413_001_Zrn_A_1_MBD_17	584	190	3.08	0.10081	0.00971	0.01451	0.00120	0.05039	0.00480	0.44	97.52	8.98	8.94	92.86	7.62	7.62	212.99	228.51	213.53	92.86	7.62	7.62	206Pb/238U concordant scans	25	31
P1413_001_Zrn_A_1_MBD_29	1134	390	2.91	0.09594	0.00812	0.01455	0.00075	0.04783	0.00370	0.43	93.03	7.53	7.51	93.12	4.74	4.74	90.67	181.34	178.17	93.12	4.74	4.74	206Pb/238U concordant scans	10	31
P1413_001_Zrn_A_1_MBD_0	1001	671	1.49	0.09826	0.00840	0.01456	0.00037	0.04893	0.00416	0.15	95.17	7.78	7.75	93.20	2.36	2.36	144.67	205.64	193.48	93.20	2.36	2.36	206Pb/238U concordant scans	23	31
P1413_001_Zrn_A_1_MBD_76	871	308	2.83	0.10050	0.00827	0.01488	0.00054	0.04899	0.00406	0.18	97.23	7.64	7.61	95.21	3.43	3.43	147.24	200.23	188.68	95.21	3.43	3.43	206Pb/238U concordant scans	22	31
P1413_001_Zrn_A_1_MBD_61	1632	566	2.88	0.09960	0.00650	0.01488	0.00040	0.04855	0.00316	0.18	96.41	6.01	5.99	95.22	2.54	2.54	126.06	156.94	149.77	95.22	2.54	2.54	206Pb/238U concordant scans	24	31
P1413_001_Zrn_A_1_MBD_78	2180	1650	1.32	0.10146	0.00571	0.01490	0.00048	0.04939	0.00253	0.42	98.12	5.27	5.25	95.34	3.03	3.03	166.40	122.09	117.69	95.34	3.03	3.03	206Pb/238U concordant scans	25	31
P1413_001_Zrn_A_1_MBD_34	1810	880	2.06	0.09886	0.00498	0.01492	0.00031	0.04806	0.00237	0.22	95.73	4.61	4.60	95.46	1.95	1.95	102.35	118.67	114.53	95.46	1.95	1.95	206Pb/238U concordant scans	23	31
P1413_001_Zrn_A_1_MBD_110	1037	317	3.27	0.10304	0.00789	0.01496	0.00058	0.04995	0.00359	0.36	99.58	7.28	7.25	95.73	3.71	3.71	192.88	171.58	163.01	95.73	3.71	3.71	206Pb/238U concordant scans	22	31
P1413_001_Zrn_A_1_MBD_73	1328	450	2.95	0.10082	0.00547	0.01497	0.00050	0.04886	0.00226	0.52	97.53	5.05	5.04	95.76	3.18	3.18	141.17	110.58	106.97	95.76	3.18	3.18	206Pb/238U concordant scans	23	31
P1413_001_Zrn_A_1_MBD_5	844	296	2.85	0.09642	0.00936	0.01498	0.00055	0.04667	0.00432	0.31	93.47	8.69	8.65	95.88	3.51	3.51	32.39	64.77	214.64	95.88	3.51	3.51	206Pb/238U concordant scans	29	31
P1413_001_Zrn_A_1_MBD_63	269	62	4.32	0.10466	0.02355	0.01510	0.00082	0.05027	0.01154	0.03	101.07	21.76	21.53	96.61	5.18	5.18	207.44	414.87	492.87	96.61	5.18	5.18	206Pb/238U concordant scans	10	31
P1413_001_Zrn_A_1_MBD_97	689	217	3.17	0.10214	0.00911	0.01510	0.00048	0.04906	0.00441	0.13	98.75	8.41	8.37	96.61	3.08	3.07	150.74	217.92	204.31	96.61	3.08	3.07	206Pb/238U concordant scans	19	31

P1413_001_Zrn_A_1_MBD_36	1023	414	2.47	0.10443	0.00814	0.01512	0.00037	0.05008	0.00391	0.13	100.86	7.50	7.47	96.77	2.38	2.38	198.68	186.43	176.35	96.77	2.38	2.38	206Pb/238U concordant scans	22	31
P1413_001_Zrn_A_1_MBD_46	61	109	0.56	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.94	19.62	33.83	Pbc-corrected isotopic sums	0	31
P1413_001_Zrn_A_1_MBD_41	365	102	3.58	0.10433	0.00972	0.01526	0.00053	0.04958	0.00470	0.12	100.76	8.96	8.92	97.65	3.34	3.34	175.12	229.11	214.09	97.65	3.34	3.34	206Pb/238U concordant scans	16	31
P1413_001_Zrn_A_1_MBD_11	1567	746	2.10	0.10532	0.00574	0.01539	0.00035	0.04963	0.00273	0.14	101.67	5.28	5.26	98.45	2.20	2.20	177.78	130.73	125.69	98.45	2.20	2.20	206Pb/238U concordant scans	22	31
P1413_001_Zrn_A_1_MBD_9	1222	449	2.72	0.10641	0.00851	0.01540	0.00069	0.05012	0.00374	0.39	102.67	7.83	7.80	98.50	4.40	4.40	200.65	178.15	168.92	98.50	4.40	4.40	206Pb/238U concordant scans	23	31
P1413_001_Zrn_A_1_MBD_30	237	51	4.68	0.10563	0.01934	0.01544	0.00120	0.04962	0.00950	0.10	101.96	17.84	17.68	98.76	7.60	7.59	177.33	354.66	418.13	98.76	7.60	7.59	206Pb/238U concordant scans	16	31
P1413_001_Zrn_A_1_MBD_67	1102	243	4.53	0.10531	0.00958	0.01544	0.00084	0.04946	0.00381	0.53	101.67	8.82	8.79	98.80	5.32	5.32	169.47	185.11	175.18	98.80	5.32	5.32	206Pb/238U concordant scans	16	31
P1413_001_Zrn_A_1_MBD_71	482	151	3.19	0.10155	0.01036	0.01545	0.00055	0.04767	0.00485	0.16	98.20	9.57	9.53	98.84	3.47	3.47	82.78	165.56	233.06	98.84	3.47	3.47	206Pb/238U concordant scans	18	31
P1413_001_Zrn_A_1_MBD_105	1331	539	2.47	0.10368	0.00655	0.01569	0.00040	0.04791	0.00293	0.26	100.16	6.03	6.02	100.39	2.55	2.55	94.81	147.84	141.47	100.39	2.55	2.55	206Pb/238U concordant scans	15	31
P1413_001_Zrn_A_1_MBD_107	2832	72	39.50	0.10470	0.00534	0.01570	0.00043	0.04836	0.00235	0.33	101.11	4.91	4.90	100.44	2.70	2.70	116.83	116.43	112.44	100.44	2.70	2.70	206Pb/238U concordant scans	16	31
P1413_001_Zrn_A_1_MBD_7	2051	793	2.59	0.10664	0.00657	0.01573	0.00077	0.04916	0.00246	0.61	102.89	6.04	6.02	100.64	4.91	4.91	155.27	119.31	115.11	100.64	4.91	4.91	206Pb/238U concordant scans	18	31
P1413_001_Zrn_A_1_MBD_8	915	384	2.39	0.11194	0.00970	0.01631	0.00064	0.04978	0.00411	0.32	107.73	8.87	8.83	104.29	4.04	4.04	184.60	198.34	186.98	104.29	4.04	4.04	206Pb/238U concordant scans	18	31
P1413_001_Zrn_A_1_MBD_54	707	286	2.47	0.12741	0.01404	0.01684	0.00073	0.05489	0.00604	0.19	121.77	12.69	12.61	107.63	4.60	4.60	407.59	256.01	237.13	107.63	4.60	4.60	206Pb/238U concordant scans	11	31
P1413_001_Zrn_A_1_MBD_79	16	4	4.34	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	109.14	71.77	70.92	Pbc-corrected isotopic sums	0	31
P1413_001_Zrn_A_1_MBD_49	1097	297	3.69	0.12159	0.00696	0.01774	0.00057	0.04972	0.00273	0.33	116.51	6.31	6.29	113.34	3.62	3.62	181.86	130.32	125.32	113.34	3.62	3.62	206Pb/238U concordant scans	21	31
P1413_001_Zrn_A_1_MBD_109	75	36	2.07	0.16882	0.03189	0.02401	0.00133	0.05099	0.00989	0.04	158.39	27.89	27.51	152.97	8.39	8.39	240.32	480.44	418.99	152.97	8.39	8.39	206Pb/238U concordant scans	23	31
P1413_001_Zrn_A_1_MBD_101	1628	530	3.07	0.34916	0.01553	0.04849	0.00116	0.05222	0.00212	0.41	304.09	11.72	11.65	305.26	7.15	7.15	295.14	93.95	91.31	305.26	7.15	7.15	206Pb/238U concordant scans	26	31
P1413_001_Zrn_A_1_MBD_1	665	301	2.21	0.49774	0.02458	0.06428	0.00161	0.05616	0.00260	0.35	410.17	16.73	16.59	401.60	9.74	9.73	458.73	104.47	101.17	401.60	9.74	9.73	206Pb/238U concordant scans	22	31
P1413_001_Zrn_A_1_MBD_57	167	21	7.95	0.55530	0.04079	0.07190	0.00188	0.05602	0.00415	0.12	448.47	26.80	26.45	447.58	11.32	11.31	452.99	168.64	160.21	447.58	11.32	11.31	206Pb/238U concordant scans	25	31
P1413_001_Zrn_A_1_MBD_100	982	371	2.64	0.69140	0.03138	0.08265	0.00246	0.06067	0.00269	0.32	533.64	18.92	18.75	511.90	14.66	14.64	627.67	96.87	94.00	511.90	14.66	14.64	206Pb/238U concordant scans	24	31
P1413_001_Zrn_A_1_MBD_39	397	238	1.67	0.68726	0.02447	0.08547	0.00194	0.05832	0.00206	0.27	531.15	14.78	14.67	528.69	11.53	11.52	541.73	78.13	76.26	528.69	11.53	11.52	206Pb/238U concordant scans	24	31
P1413_001_Zrn_A_1_MBD_22	3096	951	3.26	0.70951	0.02885	0.08342	0.00298	0.06168	0.00189	0.67	544.45	17.21	17.06	516.53	17.75	17.73	663.12	66.50	65.13	544.45	17.21	17.06	207Pb/235Uc concordant scans	16	31
P1413_001_Zrn_A_1_MBD_99	56	55	1.01	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	562.57	159.81	140.99	Pbc-corrected isotopic sums	0	31
P1413_001_Zrn_A_1_MBD_106	685	617	1.11	0.80761	0.03299	0.09836	0.00255	0.05955	0.00224	0.40	601.11	18.62	18.45	604.81	14.97	14.95	587.18	82.65	80.56	604.81	14.97	14.95	206Pb/238U concordant scans	26	31
P1413_001_Zrn_A_1_MBD_56	315	36	8.76	0.97750	0.05645	0.10724	0.00342	0.06611	0.00347	0.42	692.32	29.19	28.78	656.67	19.93	19.90	809.91	111.85	108.00	656.67	19.93	19.90	206Pb/238U concordant scans	20	31
P1413_001_Zrn_A_1_MBD_65	783	516	1.52	0.96812	0.03951	0.11251	0.00335	0.06241	0.00240	0.40	687.49	20.49	20.28	687.29	19.40	19.37	688.16	83.01	80.88	687.29	19.40	19.37	206Pb/238U concordant scans	30	31
P1413_001_Zrn_A_1_MBD_113	197	41	4.79	1.26867	0.08133	0.13053	0.00617	0.07049	0.00388	0.53	831.79	36.73	36.08	790.89	35.26	35.16	942.70	114.99	110.89	831.79	36.73	36.08	207Pb/235Uc concordant scans	9	31
P1413_001_Zrn_A_1_MBD_95	586	255	2.29	1.55233	0.61354	0.13870	0.02322	0.08117	0.03253	0.17	951.42	260.04	230.49	837.33	132.10	130.76	1225.57	908.65	700.09	837.33	132.10	130.76	206Pb/238U concordant scans	1	31
P1413_001_Zrn_A_1_MBD_91	118	46	2.59	1.82953	0.12244	0.17380	0.00525	0.07635	0.00474	0.37	1056.11	44.42	43.47	1033.01	28.88	28.82	1104.19	126.75	121.75	1033.01	28.88	28.82	206Pb/238U concordant scans	31	31
P1413_001_Zrn_A_1_MBD_117	42	31	1.39	1.60653	0.14960	0.17405	0.00676	0.06694	0.00618	0.21	972.76	59.13	57.46	1034.41	37.17	37.06	836.00	198.47	186.64	1034.41	37.17	37.06	206Pb/238U concordant scans	29	31
P1413_001_Zrn_A_1_MBD_53	152	122	1.24	4.70050	0.19362	0.30999	0.00978	0.10997	0.00358	0.62	1767.33	34.78	34.20	1740.67	48.21	48.03	1798.97	59.90	58.72	1767.33	34.78	34.20	207Pb/235Uc concordant scans	27	31
P1413_001_Zrn_A_1_MBD_21	100	74	1.35	4.90772	0.20253	0.32189	0.01053	0.11058	0.00354	0.64	1803.59	35.11	34.51	1798.94	51.46	51.25	1808.96	58.68	57.55	1803.59	35.11	34.51	207Pb/235Uc concordant scans	26	31
P1413_001_Zrn_A_1_MBD_90	214	147	1.46	5.20217	0.21973	0.32800	0.01025	0.11503	0.00421	0.52	1852.97	36.30	35.66	1828.69	49.84	49.64	1880.34	66.63	65.16	1852.97	36.30	35.66	207Pb/235Uc concordant scans	26	31
P1413_001_Zrn_A_1_MBD_3	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_001_Zrn_A_1_MBD_10	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_001_Zrn_A_1_MBD_12	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_001_Zrn_A_1_MBD_33	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_001_Zrn_A_1_MBD_50	104	43	2.39	0.06786	0.02448	0.01154	0.00085	0.04265	0.01559	0.03	66.67	23.41	23.15	73.96	5.44	5.44	0.00	0.00	431.33	0.00	0.00	0.00	Pbc-corrected concordant scans	17	31
P1413_001_Zrn_A_1_MBD_60	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_001_Zrn_A_1_MBD_66	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_001_Zrn_A_1_MBD_80	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_001_Zrn_A_1_MBD_83	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_001_Zrn_A_1_MBD_114	256	111	2.31	0.07062	0.01138	0.01119	0.00055	0.04578	0.00761	0.03	69.29	10.82	10.77	71.72	3.48	3.48	0.00	0.00	351.05	0.00	0.00	0.00	Pbc-corrected concordant scans	13	31

Data Repository Item E - U-Pb zircon analytical results from Cantwell Formation bentonites

Mineral	**Zircon**
Sample Name	**03DOB**
A2Z Name	**1413-03**

	Uranium and Thorium			Concordant Scans: Isotopic Ratios							Concordant Scans: Ages									Preferred Age					
Analysis Name	**[U] (ppm)**	**[Th] (ppm)**	**U/Th**	**207Pb/235Uc**	**2 sigma**	**206Pb/238U**	**2 sigma**	**207Pb/206Pb**	**2 sigma**	**Error Correlation**	**207Pb/235Uc**	**2 -sigma**	**2 +sigma**	**206Pb/238U**	**2 -sigma**	**2 +sigma**	**207Pb/206Pb**	**2 -sigma**	**2 +sigma**	**Preferred Age (Ma)**	**2 -sigma**	**2 +sigma**	**Age Type**	**Concordant S**	**Total Scans**
P1413_003_Zrn_A_1_MBD_10	233	55	4.24	0.06175	0.01507	0.00846	0.00045	0.05292	0.01308	0.04	60.84	14.46	14.36	54.33	2.85	2.85	325.46	615.93	517.25	54.33	2.85	2.85	206Pb/238U concordant scans	18	31
P1413_003_Zrn_A_1_MBD_69	2721	6362	0.43	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.31	5.34	7.39	Pbc-corrected isotopic sums	0	31
P1413_003_Zrn_A_1_MBD_1	331	96	3.44	0.07320	0.01249	0.01038	0.00066	0.05116	0.00880	0.16	71.73	11.85	11.79	66.55	4.18	4.18	247.91	422.38	373.77	66.55	4.18	4.18	206Pb/238U concordant scans	19	31
P1413_003_Zrn_A_1_MBD_20	1109	747	1.48	0.06905	0.00691	0.01048	0.00045	0.04780	0.00476	0.21	67.80	6.57	6.55	67.19	2.85	2.85	89.30	178.60	227.74	67.19	2.85	2.85	206Pb/238U concordant scans	19	31
P1413_003_Zrn_A_1_MBD_11	2986	2690	1.11	0.07052	0.00534	0.01063	0.00047	0.04813	0.00352	0.33	69.19	5.07	5.06	68.15	3.01	3.01	105.53	177.77	168.63	68.15	3.01	3.01	206Pb/238U concordant scans	12	31
P1413_003_Zrn_A_1_MBD_25	2588	3131	0.83	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	69.77	4.98	6.02	Pbc-corrected isotopic sums	0	31
P1413_003_Zrn_A_1_MBD_14	288	114	2.52	0.07779	0.01101	0.01093	0.00053	0.05163	0.00751	0.07	76.06	10.40	10.35	70.07	3.41	3.40	268.89	352.17	317.68	70.07	3.41	3.40	206Pb/238U concordant scans	21	31
P1413_003_Zrn_A_1_MBD_28	1988	1237	1.61	0.07299	0.00348	0.01093	0.00032	0.04842	0.00218	0.37	71.54	3.30	3.29	70.10	2.07	2.07	119.69	107.83	104.39	70.10	2.07	2.07	206Pb/238U concordant scans	26	31
P1413_003_Zrn_A_1_MBD_36	192	81	2.38	0.07809	0.01779	0.01094	0.00059	0.05176	0.01196	0.05	76.35	16.82	16.68	70.16	3.76	3.77	274.65	549.29	490.17	70.16	3.76	3.77	206Pb/238U concordant scans	14	31
P1413_003_Zrn_A_1_MBD_76	2242	1929	1.16	0.07118	0.00403	0.01104	0.00025	0.04675	0.00260	0.20	69.82	3.83	3.82	70.80	1.58	1.59	36.31	72.62	130.66	70.80	1.58	1.59	206Pb/238U concordant scans	21	31
P1413_003_Zrn_A_1_MBD_62	157	136	1.16	0.07351	0.01546	0.01105	0.00052	0.04823	0.01019	0.09	72.03	14.68	14.57	70.87	3.32	3.31	110.58	221.16	464.02	70.87	3.32	3.31	206Pb/238U concordant scans	15	31
P1413_003_Zrn_A_1_MBD_4	2983	2799	1.07	0.07544	0.00484	0.01106	0.00049	0.04945	0.00263	0.57	73.85	4.57	4.56	70.93	3.15	3.15	169.27	126.46	121.75	70.93	3.15	3.15	206Pb/238U concordant scans	24	31
P1413_003_Zrn_A_1_MBD_47	2434	2006	1.21	0.07296	0.00478	0.01109	0.00033	0.04771	0.00310	0.21	71.51	4.53	4.52	71.11	2.11	2.11	84.81	157.64	150.43	71.11	2.11	2.11	206Pb/238U concordant scans	19	31
P1413_003_Zrn_A_1_MBD_77	193	62	3.12	0.07301	0.01590	0.01126	0.00066	0.04704	0.01040	0.07	71.55	15.10	14.99	72.15	4.20	4.20	51.37	102.75	489.26	72.15	4.20	4.20	206Pb/238U concordant scans	23	31
P1413_003_Zrn_A_1_MBD_75	58	46	1.25	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75.02	25.58	65.26	Pbc-corrected isotopic sums	0	31
P1413_003_Zrn_A_1_MBD_29	316	103	3.07	0.08578	0.01149	0.01192	0.00055	0.05218	0.00723	0.05	83.57	10.77	10.72	76.41	3.50	3.50	293.23	333.02	301.97	76.41	3.50	3.50	206Pb/238U concordant scans	20	31
P1413_003_Zrn_A_1_MBD_51	2804	1888	1.48	0.07894	0.00587	0.01196	0.00036	0.04786	0.00348	0.24	77.15	5.53	5.52	76.66	2.31	2.31	92.19	177.02	167.97	76.66	2.31	2.31	206Pb/238U concordant scans	10	31
P1413_003_Zrn_A_1_MBD_38	171	68	2.52	0.08046	0.01834	0.01200	0.00074	0.04863	0.01139	0.03	78.57	17.31	17.16	76.89	4.74	4.74	129.97	259.94	508.87	76.89	4.74	4.74	206Pb/238U concordant scans	16	31
P1413_003_Zrn_A_1_MBD_13	127	96	1.32	0.08095	0.01776	0.01204	0.00084	0.04877	0.01076	0.14	79.04	16.76	16.62	77.14	5.38	5.37	136.83	273.65	481.10	77.14	5.38	5.37	206Pb/238U concordant scans	16	31
P1413_003_Zrn_A_1_MBD_0	283	139	2.04	0.09835	0.02555	0.01294	0.00089	0.05513	0.01463	0.04	95.25	23.76	23.49	82.87	5.64	5.64	417.49	654.86	543.85	82.87	5.64	5.64	206Pb/238U concordant scans	13	31
P1413_003_Zrn_A_1_MBD_43	258	73	3.56	0.09430	0.01225	0.01454	0.00074	0.04703	0.00623	0.13	91.50	11.40	11.33	93.07	4.68	4.68	50.90	101.80	302.08	93.07	4.68	4.68	206Pb/238U concordant scans	16	31
P1413_003_Zrn_A_1_MBD_35	756	232	3.26	0.09985	0.00933	0.01505	0.00044	0.04811	0.00447	0.15	96.64	8.63	8.59	96.32	2.81	2.81	104.53	209.06	212.41	96.32	2.81	2.81	206Pb/238U concordant scans	25	31
P1413_003_Zrn_A_1_MBD_67	843	276	3.05	0.10455	0.00806	0.01555	0.00074	0.04875	0.00332	0.48	100.97	7.42	7.40	99.50	4.72	4.72	135.70	163.95	156.13	99.50	4.72	4.72	206Pb/238U concordant scans	16	31
P1413_003_Zrn_A_1_MBD_50	242	87	2.79	0.13394	0.02232	0.01783	0.00068	0.05450	0.00915	0.07	127.63	20.08	19.89	113.90	4.30	4.29	391.59	400.42	356.10	113.90	4.30	4.29	206Pb/238U concordant scans	23	31
P1413_003_Zrn_A_1_MBD_53	170	70	2.43	0.17468	0.02179	0.02476	0.00099	0.05116	0.00634	0.17	163.47	18.92	18.74	157.69	6.22	6.22	248.05	298.69	273.54	157.69	6.22	6.22	206Pb/238U concordant scans	19	31
P1413_003_Zrn_A_1_MBD_12	216	71	3.05	0.17480	0.02612	0.02494	0.00098	0.05083	0.00750	0.17	163.58	22.70	22.45	158.81	6.19	6.19	233.15	359.60	323.80	158.81	6.19	6.19	206Pb/238U concordant scans	24	31
P1413_003_Zrn_A_1_MBD_26	160	57	2.82	0.18692	0.03664	0.02515	0.00141	0.05390	0.01052	0.16	174.00	31.59	31.11	160.12	8.90	8.89	366.99	472.46	412.03	160.12	8.90	8.89	206Pb/238U concordant scans	21	31
P1413_003_Zrn_A_1_MBD_78	128	48	2.65	0.16152	0.02687	0.02525	0.00102	0.04639	0.00777	0.08	152.03	23.63	23.36	160.75	6.43	6.43	18.08	36.17	379.48	160.75	6.43	6.43	206Pb/238U concordant scans	22	31
P1413_003_Zrn_A_1_MBD_46	365	129	2.84	0.17870	0.01057	0.02532	0.00073	0.05119	0.00305	0.18	166.94	9.13	9.09	161.20	4.57	4.57	249.20	140.22	134.42	161.20	4.57	4.57	206Pb/238U concordant scans	25	31
P1413_003_Zrn_A_1_MBD_44	90	24	3.83	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	161.29	28.64	38.98	Pbc-corrected isotopic sums	0	31
P1413_003_Zrn_A_1_MBD_48	208	67	3.13	0.19427	0.02736	0.02596	0.00094	0.05428	0.00761	0.13	180.27	23.40	23.13	165.20	5.91	5.91	382.69	331.58	300.63	165.20	5.91	5.91	206Pb/238U concordant scans	14	31
P1413_003_Zrn_A_1_MBD_55	148	62	2.40	0.18221	0.02554	0.02597	0.00153	0.05088	0.00746	0.09	169.96	22.06	21.82	165.30	9.63	9.63	235.30	356.90	321.60	165.30	9.63	9.63	206Pb/238U concordant scans	15	31
P1413_003_Zrn_A_1_MBD_49	115	51	2.26	0.18317	0.02919	0.02608	0.00113	0.05094	0.00825	0.06	170.78	25.21	24.90	165.95	7.07	7.07	238.30	396.81	353.64	165.95	7.07	7.07	206Pb/238U concordant scans	16	31
P1413_003_Zrn_A_1_MBD_7	142	32	4.46	0.19272	0.03218	0.02616	0.00144	0.05342	0.00896	0.14	178.94	27.58	27.21	166.49	9.03	9.03	346.87	403.35	358.53	166.49	9.03	9.03	206Pb/238U concordant scans	18	31
P1413_003_Zrn_A_1_MBD_5	207	62	3.32	0.18179	0.01760	0.02633	0.00118	0.05007	0.00473	0.27	169.60	15.18	15.06	167.56	7.41	7.40	198.20	227.16	212.36	167.56	7.41	7.40	206Pb/238U concordant scans	28	31
P1413_003_Zrn_A_1_MBD_74	190	26	7.33	0.17965	0.02126	0.02650	0.00143	0.04916	0.00602	0.13	167.76	18.38	18.22	168.62	9.01	9.00	155.63	300.08	274.85	168.62	9.01	9.00	206Pb/238U concordant scans	14	31
P1413_003_Zrn_A_1_MBD_65	371	45	8.18	0.18602	0.01356	0.02656	0.00077	0.05080	0.00373	0.15	173.23	11.64	11.58	168.96	4.84	4.84	231.86	173.86	165.04	168.96	4.84	4.84	206Pb/238U concordant scans	30	31
P1413_003_Zrn_A_1_MBD_15	318	84	3.79	0.19390	0.01754	0.02667	0.00114	0.05273	0.00460	0.30	179.95	14.98	14.87	169.68	7.15	7.15	317.12	204.86	192.66	169.68	7.15	7.15	206Pb/238U concordant scans	24	31
P1413_003_Zrn_A_1_MBD_40	284	41	6.97	0.19849	0.01519	0.02678	0.00108	0.05376	0.00423	0.18	183.85	12.91	12.83	170.36	6.79	6.78	360.95	182.37	172.61	170.36	6.79	6.78	206Pb/238U concordant scans	20	31
P1413_003_Zrn_A_1_MBD_23	170	18	9.36	0.21306	0.03520	0.02686	0.00136	0.05752	0.00946	0.16	196.11	29.68	29.25	170.88	8.56	8.55	511.64	383.49	342.37	170.88	8.56	8.55	206Pb/238U concordant scans	17	31
P1413_003_Zrn_A_1_MBD_37	203	103	1.98	0.18917	0.02060	0.02691	0.00124	0.05098	0.00583	0.07	175.92	17.66	17.51	171.18	7.80	7.80	240.10	274.99	253.55	171.18	7.80	7.80	206Pb/238U concordant scans	19	31
P1413_003_Zrn_A_1_MBD_56	176	80	2.20	0.18497	0.02584	0.02692	0.00131	0.04983	0.00714	0.08	172.33	22.27	22.02	171.27	8.21	8.20	186.91	351.96	317.69	171.27	8.21	8.20	206Pb/238U concordant scans	12	31
P1413_003_Zrn_A_1_MBD_57	297	41	7.17	0.18336	0.01580	0.02697	0.00108	0.04931	0.00410	0.29	170.95	13.61	13.51	171.54	6.81	6.81	162.78	200.44	188.86	171.54	6.81	6.81	206Pb/238U concordant scans	17	31
P1413_003_Zrn_A_1_MBD_9	419	108	3.86	0.19451	0.03624	0.02707	0.00134	0.05212	0.00962	0.16	180.47	31.05	30.58	172.15	8.43	8.42	290.80	451.54	396.28	172.15	8.43	8.42	206Pb/238U concordant scans	16	31
P1413_003_Zrn_A_1_MBD_31	297	101	2.95	0.18730	0.01451	0.02708	0.00109	0.05017	0.00358	0.40	174.32	12.45	12.38	172.24	6.85	6.85	202.70	169.85	161.44	172.24	6.85	6.85	206Pb/238U concordant scans	21	31
P1413_003_Zrn_A_1_MBD_34	412	241	1.71	0.18764	0.01389	0.02709	0.00073	0.05023	0.00361	0.24	174.62	11.91	11.84	172.33	4.61	4.61	205.64	171.26	162.71	172.33	4.61	4.61	206Pb/238U concordant scans	24	31
P1413_003_Zrn_A_1_MBD_64	405	123	3.29	0.18854	0.01838	0.02717	0.00097	0.05033	0.00503	0.08	175.38	15.77	15.65	172.81	6.11	6.11	210.21	240.39	223.87	172.81	6.11	6.11	206Pb/238U concordant scans	18	31
P1413_003_Zrn_A_1_MBD_59	260	46	5.59	0.20114	0.03162	0.02728	0.00112	0.05348	0.00837	0.14	186.09	26.91	26.56	173.49	7.04	7.03	349.09	374.55	335.59	173.49	7.04	7.03	206Pb/238U concordant scans	19	31
P1413_003_Zrn_A_1_MBD_19	231	63	3.69	0.20471	0.03684	0.02744	0.00133	0.05411	0.00977	0.11	189.10	31.29	30.81	174.48	8.35	8.35	375.79	434.10	382.53	174.48	8.35	8.35	206Pb/238U concordant scans	8	31
P1413_003_Zrn_A_1_MBD_79	198	103	1.93	0.19746	0.02417	0.02771	0.00164	0.05169	0.00640	0.21	182.97	20.60	20.39	176.18	10.32	10.31	271.61	297.08	272.16	176.18	10.32	10.31	206Pb/238U concordant scans	18	31
P1413_003_Zrn_A_1_MBD_33	414	72	5.77	0.19465	0.01663	0.02833	0.00109	0.04983	0.00409	0.30	180.59	14.19	14.09	180.08	6.85	6.85	187.26	197.08	185.86	180.08	6.85	6.85	206Pb/238U concordant scans	17	31
P1413_003_Zrn_A_1_MBD_8	233	134	1.74	0.20500	0.02446	0.02884	0.00140	0.05156	0.00622	0.16	189.35	20.72	20.51	183.26	8.76	8.76	265.99	289.27	265.60	183.26	8.76	8.76	206Pb/238U concordant scans	19	31
P1413_003_Zrn_A_1_MBD_73	203	45	4.50	0.22439	0.05491	0.02909	0.00287	0.05593	0.01355	0.22	205.55	46.05	45.03	184.88	18.01	17.99	449.76	588.75	497.32	184.88	18.01	17.99	206Pb/238U concordant scans	4	31
P1413_003_Zrn_A_1_MBD_42	137	54	2.53	0.20525	0.02541	0.02911	0.00122	0.05113	0.00637	0.13	189.56	21.52	21.29	184.99	7.65	7.64	246.88	300.42	275.00	184.99	7.65	7.64	206Pb/238U concordant scans	22	31
P1413_003_Zrn_A_1_MBD_66	248	65	3.82	0.20855	0.01925	0.02968	0.00083	0.05097	0.00476	0.07	192.33	16.24	16.11	188.53	5.17	5.17	239.33	222.94	208.64	188.53	5.17	5.17	206Pb/238U concordant scans	29	31
P1413_003_Zrn_A_1_MBD_70	473	143	3.30	0.21042	0.01299	0.03080	0.00083	0.04954	0.00296	0.26	193.90	10.92	10.86	195.57	5.17	5.17	173.65	142.69	136.72	195.57	5.17	5.17	206Pb/238U concordant scans	26	31
P1413_003_Zrn_A_1_MBD_32	774	78	9.87	0.24786	0.01553	0.03506	0.00115	0.05128	0.00290	0.43	224.84	12.68	12.60	222.11	7.18	7.18	253.47	132.86	127.64	222.11	7.18	7.18	206Pb/238U concordant scans	26	31
P1413_003_Zrn_A_1_MBD_61	43	10	4.43	0.30132	0.08924	0.04361	0.00232	0.05011	0.01495	0.04	267.43	70.85	68.46	275.20	14.32	14.31	199.94	399.87	627.92	275.20	14.32	14.31	206Pb/238U concordant scans	23	31
P1413_003_Zrn_A_1_MBD_27	54	17	3.20	0.31739	0.05868	0.04384	0.00222	0.05251	0.00976	0.11	279.89	45.74	44.73	276.58	13.72	13.71	307.68	453.40	397.66	276.58	13.72	13.71	206Pb/238U concordant scans	27	31
P1413_003_Zrn_A_1_MBD_72	84	33	2.58	0.31589	0.04646	0.04430	0.00233	0.05172	0.00760	0.17	278.74	36.17	35.53	279.42	14.40	14.39	273.01	355.50	320.38	279.42	14.40	14.39	206Pb/238U concordant scans	19	31
P1413_003_Zrn_A_1_MBD_58	74	23	3.18	0.33443	0.06479	0.04726	0.00371	0.05132	0.01033	0.10	292.94	49.91	48.71	297.70	22.84	22.79	255.15	499.18	432.63	297.70	22.84	22.79	206Pb/238U concordant scans	11	31
P1413_003_Zrn_A_1_MBD_22	103	34	2.99	0.40070	0.03879	0.05381	0.00234	0.05401	0.00523	0.21	342.16	28.31	27.92	337.86	14.31	14.30	371.42	225.84	211.05	337.86	14.31	14.30	206Pb/238U concordant scans	15	31
P1413_003_Zrn_A_1_MBD_2	173	39	4.46	2.42837	0.16685	0.20904	0.01157	0.08425	0.00479	0.59	1251.04	50.03	48.83	1223.72	61.86	61.56	1298.37	112.66	108.65	1251.04	50.03	48.83	207Pb/235Uc concordant scans	19	31
P1413_003_Zrn_A_1_MBD_68	245	262	0.94	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1376.75	88.79	76.67	Pbc-corrected isotopic sums	0	31
P1413_003_Zrn_A_1_MBD_60	174	56	3.10	3.00432	0.13027	0.24751	0.00576	0.08803	0.00357	0.36	1408.71	33.30	32.77	1425.62	29.80	29.74	1383.24	78.80	76.81	1425.62	29.80	29.74	206Pb/238U concordant scans	31	31
P1413_003_Zrn_A_1_MBD_17	79	27	2.94	3.11265	0.17333	0.25104	0.00811	0.08993	0.00433	0.50	1435.82	43.25	42.35	1443.82	41.87	41.73	1423.99	93.47	90.67	1443.82	41.87	41.73	206Pb/238U concordant scans	26	31
P1413_003_Zrn_A_1_MBD_39	17	20	0.86	3.62586	0.35146	0.27045	0.01415	0.09724	0.00900	0.34	1555.22	78.65	75.72	1543.07	72.01	71.60	1571.77	178.58	168.56	1543.07	72.01	71.60	206Pb/238U concordant scans	23	31
P1413_003_Zrn_A_1_MBD_6	379	95	3.97	4.43853	0.20214	0.29851	0.01083	0.10784	0.00373	0.65	1719.56	38.09	37.39	1683.93	53.87	53.64	1763.22	63.83	62.49	1719.56	38.09	37.39	207Pb/235Uc concordant scans	28	31
P1413_003_Zrn_A_1_MBD_80	196	85	2.29	4.96003	0.21536	0.31614	0.00676	0.11379	0.00480	0.24	1812.54	37.03	36.36	1770.83	33.15	33.07	1860.83	77.25	75.29	1770.83	33.15	33.07	206Pb/238U concordant scans	24	31
P1413_003_Zrn_A_1_MBD_3	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_003_Zrn_A_1_MBD_16	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_003_Zrn_A_1_MBD_18	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_003_Zrn_A_1_MBD_21	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_003_Zrn_A_1_MBD_24	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_003_Zrn_A_1_MBD_30	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_003_Zrn_A_1_MBD_41	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_003_Zrn_A_1_MBD_45	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0

P1413_003_Zrn_A_1_MBD_52	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_003_Zrn_A_1_MBD_54	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_003_Zrn_A_1_MBD_63	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_003_Zrn_A_1_MBD_71	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_003_Zrn_A_1_MBD_81	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0

Data Repository Item E - U-Pb zircon analytical results from Cantwell Formation bentonites

Mineral	**Zircon**
Sample Name	**04DOB**
A2Z Name	**1413-08**

	Uranium and Thorium			Concordant Scans: Isotopic Ratios							Concordant Scans: Ages									Preferred Age					
Analysis Name	**[U] (ppm)**	**[Th] (ppm)**	**U/Th**	**207Pb/235U**	**2 sigma**	**206Pb/238U**	**2 sigma**	**207Pb/206Pb**	**2 sigma**	**Error Correlation**	**207Pb/235U**	**2 -sigma**	**2 +sigma**	**206Pb/238U**	**2 -sigma**	**2 +sigma**	**207Pb/206Pb**	**2 -sigma**	**2 +sigma**	**Preferred Age (Ma)**	**2 -sigma**	**2 +sigma**	**Age Type**	**Concordant**	**Total Scans**
P1413_008_Zrn_A_1_MBD_34	486	153	3.17	0.06967	0.01205	0.01029	0.00072	0.04911	0.00868	0.14	68.39	11.47	11.41	65.99	4.60	4.60	153.05	306.11	389.89	65.99	4.60	4.60	206Pb/238U concordant scans	12	31
P1413_008_Zrn_A_1_MBD_88	335	110	3.04	0.07042	0.01884	0.01040	0.00069	0.04913	0.01339	0.03	69.10	17.95	17.80	66.66	4.38	4.38	154.19	308.38	582.83	66.66	4.38	4.38	206Pb/238U concordant scans	7	31
P1413_008_Zrn_A_1_MBD_38	764	276	2.77	0.07363	0.00890	0.01076	0.00044	0.04965	0.00595	0.18	72.14	8.44	8.40	68.97	2.80	2.80	178.50	291.99	268.01	68.97	2.80	2.80	206Pb/238U concordant scans	20	31
P1413_008_Zrn_A_1_MBD_3	605	347	1.75	0.07613	0.00966	0.01077	0.00041	0.05126	0.00654	0.11	74.50	9.14	9.09	69.07	2.61	2.61	252.49	307.69	281.06	69.07	2.61	2.61	206Pb/238U concordant scans	16	31
P1413_008_Zrn_A_1_MBD_116	540	139	3.90	0.07340	0.00755	0.01081	0.00038	0.04925	0.00505	0.15	71.93	7.16	7.13	69.30	2.41	2.41	159.98	249.10	231.46	69.30	2.41	2.41	206Pb/238U concordant scans	20	31
P1413_008_Zrn_A_1_MBD_53	484	159	3.05	0.07571	0.01281	0.01093	0.00046	0.05025	0.00864	0.03	74.11	12.13	12.05	70.06	2.93	2.93	206.69	413.38	376.32	70.06	2.93	2.93	206Pb/238U concordant scans	19	31
P1413_008_Zrn_A_1_MBD_32	1322	410	3.23	0.07318	0.00586	0.01109	0.00055	0.04787	0.00387	0.26	71.71	5.55	5.54	71.07	3.48	3.48	93.06	186.13	185.94	71.07	3.48	3.48	206Pb/238U concordant scans	13	31
P1413_008_Zrn_A_1_MBD_71	283	128	2.21	0.07519	0.01617	0.01113	0.00051	0.04899	0.01054	0.09	73.61	15.33	15.22	71.36	3.22	3.22	147.42	294.84	469.00	71.36	3.22	3.22	206Pb/238U concordant scans	28	31
P1413_008_Zrn_A_1_MBD_7	1152	633	1.82	0.08005	0.00736	0.01116	0.00031	0.05205	0.00480	0.10	78.19	6.93	6.91	71.51	2.01	2.00	287.53	218.02	204.28	71.51	2.01	2.00	206Pb/238U concordant scans	15	31
P1413_008_Zrn_A_1_MBD_97	362	131	2.75	0.07833	0.01442	0.01121	0.00062	0.05067	0.00953	0.06	76.57	13.62	13.53	71.87	3.96	3.96	225.93	451.87	407.89	71.87	3.96	3.96	206Pb/238U concordant scans	13	31
P1413_008_Zrn_A_1_MBD_110	376	82	4.60	0.07547	0.01484	0.01127	0.00050	0.04858	0.00961	0.07	73.88	14.06	13.96	72.23	3.21	3.21	127.61	255.23	435.29	72.23	3.21	3.21	206Pb/238U concordant scans	23	31
P1413_008_Zrn_A_1_MBD_83	161	63	2.54	0.07766	0.01601	0.01138	0.00082	0.04950	0.01064	0.04	75.94	15.15	15.03	72.93	5.26	5.26	171.60	343.20	466.49	72.93	5.26	5.26	206Pb/238U concordant scans	16	31
P1413_008_Zrn_A_1_MBD_26	560	209	2.68	0.08581	0.01252	0.01152	0.00067	0.05402	0.00801	0.14	83.59	11.74	11.67	73.84	4.30	4.30	372.05	352.41	317.66	73.84	4.30	4.30	206Pb/238U concordant scans	26	31
P1413_008_Zrn_A_1_MBD_40	455	18	25.56	0.08112	0.01567	0.01167	0.00062	0.05043	0.00982	0.09	79.20	14.77	14.66	74.78	3.92	3.92	214.81	429.62	422.25	74.78	3.92	3.92	206Pb/238U concordant scans	10	31
P1413_008_Zrn_A_1_MBD_6	420	105	4.01	0.08058	0.01477	0.01170	0.00049	0.04995	0.00929	0.03	78.69	13.93	13.83	74.99	3.09	3.09	192.49	384.98	406.00	74.99	3.09	3.09	206Pb/238U concordant scans	18	31
P1413_008_Zrn_A_1_MBD_72	445	80	5.54	0.08858	0.01458	0.01179	0.00068	0.05448	0.00879	0.22	86.18	13.65	13.56	75.58	4.36	4.36	390.79	384.15	343.18	75.58	4.36	4.36	206Pb/238U concordant scans	20	31
P1413_008_Zrn_A_1_MBD_14	615	343	1.79	0.08439	0.00953	0.01182	0.00045	0.05177	0.00581	0.17	82.27	8.95	8.91	75.77	2.85	2.85	275.33	267.66	247.25	75.77	2.85	2.85	206Pb/238U concordant scans	24	31
P1413_008_Zrn_A_1_MBD_22	301	108	2.79	0.08805	0.02472	0.01186	0.00094	0.05383	0.01547	0.05	85.68	23.20	22.94	76.02	6.02	6.01	364.04	722.70	590.17	76.02	6.02	6.01	206Pb/238U concordant scans	8	31
P1413_008_Zrn_A_1_MBD_82	384	94	4.07	0.09141	0.01232	0.01234	0.00051	0.05371	0.00739	0.05	88.81	11.50	11.43	79.08	3.24	3.24	359.00	326.64	296.60	79.08	3.24	3.24	206Pb/238U concordant scans	22	31
P1413_008_Zrn_A_1_MBD_115	266	74	3.57	0.08861	0.01791	0.01255	0.00063	0.05121	0.01045	0.07	86.20	16.77	16.64	80.39	4.00	4.00	250.38	500.76	438.32	80.39	4.00	4.00	206Pb/238U concordant scans	19	31
P1413_008_Zrn_A_1_MBD_104	249	128	1.95	0.08741	0.01616	0.01272	0.00060	0.04985	0.00929	0.08	85.08	15.15	15.03	81.46	3.84	3.84	187.96	375.92	407.11	81.46	3.84	3.84	206Pb/238U concordant scans	17	31
P1413_008_Zrn_A_1_MBD_98	5306	9560	0.56	0.08507	0.01679	0.01233	0.00237	0.05005	0.00265	0.96	82.90	15.78	15.65	78.99	15.08	15.06	197.17	125.42	120.78	82.90	15.78	15.65	207Pb/235Uc concordant scans	21	31
P1413_008_Zrn_A_1_MBD_19	712	221	3.23	0.09672	0.01173	0.01396	0.00065	0.05025	0.00630	0.08	93.74	10.89	10.83	89.37	4.13	4.13	206.55	304.50	278.48	89.37	4.13	4.13	206Pb/238U concordant scans	22	31
P1413_008_Zrn_A_1_MBD_50	371	146	2.54	0.10218	0.01628	0.01463	0.00051	0.05067	0.00814	0.05	98.79	15.06	14.95	93.61	3.26	3.26	225.66	394.10	351.51	93.61	3.26	3.26	206Pb/238U concordant scans	19	31
P1413_008_Zrn_A_1_MBD_63	383	137	2.80	0.10277	0.01777	0.01487	0.00075	0.05013	0.00873	0.11	99.33	16.43	16.30	95.15	4.74	4.74	200.93	401.85	380.90	95.15	4.74	4.74	206Pb/238U concordant scans	21	31
P1413_008_Zrn_A_1_MBD_107	549	265	2.07	0.10438	0.01313	0.01502	0.00057	0.05038	0.00630	0.15	100.81	12.10	12.03	96.13	3.60	3.60	212.79	303.14	277.33	96.13	3.60	3.60	206Pb/238U concordant scans	22	31
P1413_008_Zrn_A_1_MBD_119	202	75	2.72	0.10419	0.01751	0.01506	0.00077	0.05017	0.00859	0.07	100.63	16.17	16.04	96.38	4.89	4.89	202.66	405.32	374.91	96.38	4.89	4.89	206Pb/238U concordant scans	26	31
P1413_008_Zrn_A_1_MBD_96	187	95	1.97	0.10171	0.02086	0.01521	0.00080	0.04849	0.01013	0.04	98.35	19.31	19.13	97.33	5.10	5.09	123.26	246.51	458.13	97.33	5.10	5.09	206Pb/238U concordant scans	15	31
P1413_008_Zrn_A_1_MBD_78	120	54	2.23	0.12514	0.02704	0.01522	0.00076	0.05963	0.01289	0.10	119.72	24.55	24.25	97.38	4.85	4.85	590.03	506.96	437.16	97.38	4.85	4.85	206Pb/238U concordant scans	16	31
P1413_008_Zrn_A_1_MBD_60	300	77	3.90	0.12262	0.01892	0.01722	0.00089	0.05164	0.00798	0.15	117.44	17.19	17.04	110.06	5.66	5.66	269.64	375.08	336.21	110.06	5.66	5.66	206Pb/238U concordant scans	20	31
P1413_008_Zrn_A_1_MBD_28	149	87	1.72	0.13346	0.02751	0.01835	0.00098	0.05274	0.01088	0.12	127.20	24.80	24.50	117.24	6.21	6.21	317.59	506.71	438.03	117.24	6.21	6.21	206Pb/238U concordant scans	15	31
P1413_008_Zrn_A_1_MBD_44	96	37	2.59	0.13097	0.03609	0.01854	0.00114	0.05122	0.01425	0.06	124.96	32.67	32.15	118.45	7.21	7.21	250.71	501.42	583.86	118.45	7.21	7.21	206Pb/238U concordant scans	10	31
P1413_008_Zrn_A_1_MBD_27	689	241	2.86	0.13885	0.01119	0.01947	0.00079	0.05172	0.00436	0.11	132.02	10.00	9.95	124.30	5.00	5.00	273.27	199.35	187.81	124.30	5.00	5.00	206Pb/238U concordant scans	27	31
P1413_008_Zrn_A_1_MBD_16	369	176	2.10	0.16099	0.02178	0.02306	0.00110	0.05063	0.00684	0.16	151.57	19.14	18.96	146.98	6.92	6.92	223.96	328.42	298.32	146.98	6.92	6.92	206Pb/238U concordant scans	12	31
P1413_008_Zrn_A_1_MBD_24	171	42	4.07	0.16869	0.04434	0.02538	0.00119	0.04821	0.01272	0.06	158.28	38.89	38.16	161.54	7.48	7.47	109.75	219.50	570.15	161.54	7.48	7.47	206Pb/238U concordant scans	17	31
P1413_008_Zrn_A_1_MBD_2	500	139	3.60	0.19843	0.01962	0.02789	0.00091	0.05159	0.00504	0.18	183.80	16.70	16.56	177.36	5.71	5.71	267.41	232.41	216.88	177.36	5.71	5.71	206Pb/238U concordant scans	18	31
P1413_008_Zrn_A_1_MBD_1	191	90	2.12	0.19538	0.02005	0.02875	0.00152	0.04928	0.00526	0.15	181.21	17.10	16.96	182.74	9.50	9.50	161.26	259.86	240.72	182.74	9.50	9.50	206Pb/238U concordant scans	16	31
P1413_008_Zrn_A_1_MBD_8	393	191	2.05	0.22359	0.01921	0.02883	0.00097	0.05626	0.00478	0.19	204.90	16.00	15.88	183.19	6.08	6.08	462.55	194.17	183.07	183.19	6.08	6.08	206Pb/238U concordant scans	18	31
P1413_008_Zrn_A_1_MBD_36	392	212	1.85	0.21450	0.02143	0.02902	0.00116	0.05360	0.00541	0.14	197.32	18.00	17.84	184.43	7.30	7.29	354.40	236.50	220.35	184.43	7.30	7.29	206Pb/238U concordant scans	20	31
P1413_008_Zrn_A_1_MBD_47	544	454	1.20	0.20674	0.02059	0.02914	0.00090	0.05145	0.00508	0.15	190.81	17.40	17.25	185.18	5.66	5.65	261.06	235.14	219.26	185.18	5.66	5.65	206Pb/238U concordant scans	22	31
P1413_008_Zrn_A_1_MBD_105	567	259	2.19	0.20587	0.01430	0.02925	0.00147	0.05104	0.00347	0.36	190.08	12.07	12.00	185.87	9.19	9.18	242.77	160.47	152.92	185.87	9.19	9.18	206Pb/238U concordant scans	14	31
P1413_008_Zrn_A_1_MBD_94	279	94	2.97	0.19293	0.02464	0.02935	0.00122	0.04767	0.00621	0.07	179.12	21.08	20.86	186.49	7.67	7.67	82.91	165.81	295.55	186.49	7.67	7.67	206Pb/238U concordant scans	14	31
P1413_008_Zrn_A_1_MBD_76	542	322	1.69	0.20336	0.01351	0.02936	0.00096	0.05023	0.00329	0.22	187.96	11.43	11.36	186.56	5.99	5.98	205.56	155.39	148.32	186.56	5.99	5.98	206Pb/238U concordant scans	27	31
P1413_008_Zrn_A_1_MBD_55	304	114	2.68	0.19477	0.02629	0.02955	0.00100	0.04780	0.00648	0.07	180.69	22.47	22.22	187.76	6.25	6.25	89.26	178.52	306.70	187.76	6.25	6.25	206Pb/238U concordant scans	28	31
P1413_008_Zrn_A_1_MBD_37	449	243	1.85	0.21121	0.01898	0.02980	0.00118	0.05141	0.00466	0.17	194.57	15.97	15.85	189.28	7.41	7.40	259.21	215.07	201.71	189.28	7.41	7.40	206Pb/238U concordant scans	17	31
P1413_008_Zrn_A_1_MBD_113	670	509	1.32	0.21381	0.01761	0.02984	0.00120	0.05197	0.00401	0.35	196.75	14.79	14.68	189.52	7.50	7.49	284.27	181.46	171.84	189.52	7.50	7.49	206Pb/238U concordant scans	19	31
P1413_008_Zrn_A_1_MBD_79	431	106	4.05	0.20477	0.01519	0.02996	0.00117	0.04957	0.00370	0.20	189.16	12.84	12.76	190.29	7.31	7.31	175.05	178.86	169.57	190.29	7.31	7.31	206Pb/238U concordant scans	21	31
P1413_008_Zrn_A_1_MBD_13	225	81	2.77	0.20888	0.02190	0.03009	0.00115	0.05035	0.00531	0.14	192.61	18.47	18.31	191.09	7.17	7.17	211.32	253.77	235.43	191.09	7.17	7.17	206Pb/238U concordant scans	19	31
P1413_008_Zrn_A_1_MBD_23	221	98	2.26	0.22323	0.03305	0.03018	0.00138	0.05364	0.00798	0.12	204.60	27.62	27.25	191.69	8.61	8.61	355.98	354.53	319.42	191.69	8.61	8.61	206Pb/238U concordant scans	17	31
P1413_008_Zrn_A_1_MBD_54	629	248	2.53	0.20779	0.01467	0.03025	0.00089	0.04981	0.00340	0.25	191.70	12.37	12.30	192.13	5.56	5.56	186.34	163.06	155.30	192.13	5.56	5.56	206Pb/238U concordant scans	24	31
P1413_008_Zrn_A_1_MBD_75	180	84	2.13	0.21120	0.02445	0.03029	0.00117	0.05057	0.00585	0.14	194.56	20.60	20.40	192.36	7.30	7.29	221.30	279.13	257.08	192.36	7.30	7.29	206Pb/238U concordant scans	23	31
P1413_008_Zrn_A_1_MBD_73	203	79	2.58	0.22013	0.02930	0.03060	0.00109	0.05217	0.00691	0.13	202.02	24.53	24.24	194.32	6.82	6.82	292.87	317.36	289.04	194.32	6.82	6.82	206Pb/238U concordant scans	21	31
P1413_008_Zrn_A_1_MBD_93	277	73	3.82	0.20593	0.02530	0.03066	0.00145	0.04872	0.00600	0.17	190.14	21.41	21.19	194.66	9.09	9.08	134.34	268.69	277.24	194.66	9.09	9.08	206Pb/238U concordant scans	15	31
P1413_008_Zrn_A_1_MBD_43	199	96	2.08	0.20158	0.02479	0.03074	0.00120	0.04756	0.00593	0.08	186.46	21.06	20.84	195.19	7.52	7.51	77.39	154.78	283.65	195.19	7.52	7.51	206Pb/238U concordant scans	19	31
P1413_008_Zrn_A_1_MBD_12	855	312	2.74	0.21453	0.01293	0.03083	0.00092	0.05047	0.00305	0.18	197.34	10.84	10.78	195.72	5.74	5.73	216.86	142.75	136.75	195.72	5.74	5.73	206Pb/238U concordant scans	24	31
P1413_008_Zrn_A_1_MBD_15	211	76	2.76	0.22544	0.02166	0.03104	0.00146	0.05268	0.00521	0.16	206.43	18.02	17.87	197.02	9.14	9.13	315.22	233.01	217.35	197.02	9.14	9.13	206Pb/238U concordant scans	24	31
P1413_008_Zrn_A_1_MBD_57	351	148	2.37	0.22062	0.01966	0.03107	0.00108	0.05150	0.00463	0.13	202.42	16.42	16.29	197.24	6.78	6.78	263.20	213.28	200.13	197.24	6.78	6.78	206Pb/238U concordant scans	22	31
P1413_008_Zrn_A_1_MBD_84	244	107	2.29	0.23943	0.02537	0.03131	0.00132	0.05546	0.00583	0.20	217.95	20.89	20.68	198.75	8.27	8.26	430.76	243.15	226.03	198.75	8.27	8.26	206Pb/238U concordant scans	17	31
P1413_008_Zrn_A_1_MBD_80	211	45	4.74	0.22012	0.03062	0.03148	0.00138	0.05072	0.00711	0.11	202.01	25.64	25.32	199.77	8.63	8.63	228.15	340.88	308.55	199.77	8.63	8.63	206Pb/238U concordant scans	20	31
P1413_008_Zrn_A_1_MBD_52	133	54	2.44	0.20632	0.03829	0.03152	0.00180	0.04747	0.00904	0.05	190.46	32.49	31.98	200.05	11.23	11.22	73.13	146.26	424.07	200.05	11.23	11.22	206Pb/238U concordant scans	12	31
P1413_008_Zrn_A_1_MBD_41	324	195	1.66	0.23117	0.02437	0.03188	0.00151	0.05260	0.00561	0.18	211.16	20.20	20.00	202.29	9.41	9.41	311.39	252.15	233.92	202.29	9.41	9.41	206Pb/238U concordant scans	16	31
P1413_008_Zrn_A_1_MBD_62	382	145	2.63	0.22366	0.02052	0.03267	0.00212	0.04965	0.00407	0.49	204.95	17.10	16.96	207.24	13.27	13.26	178.76	196.78	185.59	207.24	13.27	13.26	206Pb/238U concordant scans	24	31
P1413_008_Zrn_A_1_MBD_95	898	294	3.05	0.32950	0.02400	0.04414	0.00179	0.05414	0.00386	0.28	289.19	18.42	18.25	278.44	11.06	11.05	376.99	164.59	156.59	278.44	11.06	11.05	206Pb/238U concordant scans	12	31
P1413_008_Zrn_A_1_MBD_35	376	128	2.93	0.34314	0.02922	0.04560	0.00176	0.05458	0.00467	0.18	299.54	22.21	21.97	287.43	10.86	10.85	395.07	197.90	186.44	287.43	10.86	10.85	206Pb/238U concordant scans	19	31
P1413_008_Zrn_A_1_MBD_117	376	117	3.22	0.37485	0.02875	0.04972	0.00200	0.05468	0.00404	0.30	323.24	21.34	21.12	312.80	12.30	12.29	399.16	169.92	161.40	312.80	12.30	12.29	206Pb/238U concordant scans	14	31
P1413_008_Zrn_A_1_MBD_11	310	165	1.88	0.38186	0.02708	0.05235	0.00173	0.05290	0.00374	0.19	328.41	20.00	19.80	328.93	10.62	10.62	324.65	164.83	156.83	328.93	10.62	10.62	206Pb/238U concordant scans	21	31
P1413_008_Zrn_A_1_MBD_74	213	114	1.86	0.40315	0.04187	0.05269	0.00206	0.05549	0.00579	0.14	343.93	30.53	30.07	331.02	12.59	12.58	432.10	241.43	224.54	331.02	12.59	12.58	206Pb/238U concordant scans	22	31
P1413_008_Zrn_A_1_MBD_69	185	43	4.32	0.41153	0.05211	0.05306	0.00225	0.05626	0.00719	0.11	349.98	37.84	37.14	333.26	13.78	13.77	462.50	296.49	271.37	333.26	13.78	13.77	206Pb/238U concordant scans	15	31
P1413_008_Zrn_A_1_MBD_89	342	140	2.45	0.41590	0.03760	0.05589	0.00218	0.05397	0.00486	0.19	353.12	27.14	26.78	350.57	13.33	13.32	369.90	209.32	196.55	350.57	13.33	13.32	206Pb/238U concordant scans	18	31
P1413_008_Zrn_A_1_MBD_4	400	125	3.21	0.40516	0.02222	0.05616	0.00156	0.05233	0.00290	0.15	345.38	16.12	15.99	352.21	9.51	9.50	299.66	129.00	124.06	352.21	9.51	9.50	206Pb/238U concordant scans	30	31
P1413_008_Zrn_A_1_MBD_77	666	128	5.21	0.41692	0.01949	0.05680	0.00189	0.05323	0.00248	0.27	353.85	14.02	13.92	356.15	11.54	11.52	338.75	107.27	103.82	356.15	11.54	11.52	206Pb/238U concordant scans	29	31
P1413_008_Zrn_A_1_MBD_45	344	159	2.17	0.40543	0.03607	0.05715	0.00202	0.05145	0.00460	0.15	345.58	26.23	25.90	358.28	12.31	12.30	261.03	211.95	198.96	358.28	12.31	12.30	206Pb/238U concordant scans	21	31
P1413_008_Zrn_A_1_MBD_46	403	214	1.88	0.44031	0.03132	0.05848	0.00187	0.05461	0.00380	0.24	370.47	22.20	21.96	366.35	11.36	11.36	396.33	159.88	152.31	366.35	11.36	11.36	206Pb/238U concordant scans	21	31
P1413_008_Zrn_A_1_MBD_106	263	143	1.83	0.41964	0.04725	0.05956	0.00259	0.05110	0.00561	0.24	355.79	34.08	33.52	372.96	15.78	15.76	245.25	263.15	243.44	372.96	15.78	15.76	206Pb/238U concordant scans	16	31
P1413_008_Zrn_A_1_MBD_111	75	30	2.47	0.51308	0.09822	0.06837	0.00431	0.05443	0.01045	0.14	420.52	67.01	64.87	426.34	26.05	26.00	388.71	462.73	404.54	426.34	26.05	26.00	206Pb/238U concordant scans	23	31
P1413_008_Zrn_A_1_MBD_29	195	86	2.28	0.54562	0.05832	0.07229	0.00306	0.05474	0.00557	0.31	442.13	38.68	37.95	449.95	18.41	18.38	401.59	236.18	220.02	449.95	18.41	18.38	206Pb/238U concordant scans	22	31

P1413_008_Zrn_A_1_MBD_81	207	209	0.99	0.69028	0.05613	0.08498	0.00269	0.05891	0.00476	0.16	532.97	34.00	33.44	525.76	16.00	15.98	563.93	180.92	171.19	525.76	16.00	15.98	206Pb/238U concordant scans	22	31
P1413_008_Zrn_A_1_MBD_118	183	227	0.81	0.79354	0.05098	0.09478	0.00311	0.06072	0.00388	0.21	593.18	29.07	28.66	583.76	18.34	18.31	629.34	140.65	134.68	583.76	18.34	18.31	206Pb/238U concordant scans	20	31
P1413_008_Zrn_A_1_MBD_20	732	140	5.21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	609.81	61.51	46.98	Pbc-corrected isotopic sums	0	30
P1413_008_Zrn_A_1_MBD_108	170	38	4.45	0.79994	0.07791	0.10244	0.00487	0.05663	0.00522	0.34	596.79	44.43	43.48	628.70	28.51	28.45	477.30	210.34	197.37	628.70	28.51	28.45	206Pb/238U concordant scans	24	31
P1413_008_Zrn_A_1_MBD_39	775	652	1.19	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	908.10	109.13	66.89	Pbc-corrected isotopic sums	0	31
P1413_008_Zrn_A_1_MBD_51	598	933	0.64	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	975.45	74.34	75.74	Pbc-corrected isotopic sums	0	31
P1413_008_Zrn_A_1_MBD_86	337	201	1.67	1.67450	0.07106	0.16604	0.00517	0.07314	0.00287	0.40	998.89	27.16	26.80	990.25	28.59	28.53	1017.91	80.49	78.45	998.89	27.16	26.80	207Pb/235Uc concordant scans	30	31
P1413_008_Zrn_A_1_MBD_90	684	75	9.14	1.74823	0.06868	0.17193	0.00473	0.07375	0.00270	0.37	1026.51	25.53	25.22	1022.72	26.05	26.00	1034.59	74.75	72.99	1026.51	25.53	25.22	207Pb/235Uc concordant scans	29	31
P1413_008_Zrn_A_1_MBD_114	44	29	1.48	1.64100	0.13727	0.17565	0.00722	0.06776	0.00545	0.30	986.10	53.48	52.10	1043.16	39.64	39.52	861.18	171.53	162.61	1043.16	39.64	39.52	206Pb/238U concordant scans	29	31
P1413_008_Zrn_A_1_MBD_65	469	136	3.45	1.97608	0.08255	0.18775	0.00618	0.07634	0.00288	0.45	1107.39	28.36	27.97	1109.17	33.56	33.47	1103.88	76.49	74.64	1107.39	28.36	27.97	207Pb/235Uc concordant scans	29	31
P1413_008_Zrn_A_1_MBD_103	70	19	3.61	2.10495	0.12144	0.19351	0.00675	0.07889	0.00448	0.27	1150.43	40.11	39.33	1140.36	36.52	36.41	1169.45	114.58	110.46	1140.36	36.52	36.41	206Pb/238U concordant scans	22	31
P1413_008_Zrn_A_1_MBD_85	370	237	1.56	2.72404	0.12360	0.22214	0.00783	0.08894	0.00330	0.58	1335.04	33.98	33.42	1293.18	41.38	41.24	1402.81	71.86	70.20	1335.04	33.98	33.42	207Pb/235Uc concordant scans	29	31
P1413_008_Zrn_A_1_MBD_0	152	42	3.63	2.79829	0.15508	0.22580	0.00820	0.08988	0.00456	0.42	1355.08	41.89	41.04	1312.47	43.19	43.05	1422.96	98.46	95.37	1355.08	41.89	41.04	207Pb/235Uc concordant scans	23	31
P1413_008_Zrn_A_1_MBD_30	169	36	4.74	2.96292	0.50091	0.22422	0.02697	0.09584	0.01571	0.36	1398.16	132.58	124.45	1304.15	142.83	141.26	1544.61	325.02	293.34	1398.16	132.58	124.45	207Pb/235Uc concordant scans	2	31
P1413_008_Zrn_A_1_MBD_18	179	108	1.66	3.40296	0.17934	0.26165	0.00982	0.09433	0.00449	0.46	1505.08	41.79	40.94	1498.29	50.27	50.08	1514.66	91.16	88.48	1505.08	41.79	40.94	207Pb/235Uc concordant scans	31	31
P1413_008_Zrn_A_1_MBD_87	337	151	2.23	3.81421	0.16947	0.28296	0.00861	0.09776	0.00381	0.48	1595.75	36.06	35.43	1606.24	43.34	43.20	1581.92	73.78	72.01	1595.75	36.06	35.43	207Pb/235Uc concordant scans	30	31
P1413_008_Zrn_A_1_MBD_42	133	146	0.92	4.14858	0.22838	0.29481	0.01169	0.10206	0.00527	0.40	1663.93	45.55	44.55	1665.55	58.35	58.09	1661.89	97.16	94.10	1663.93	45.55	44.55	207Pb/235Uc concordant scans	29	31
P1413_008_Zrn_A_1_MBD_68	374	303	1.23	4.16481	0.39138	0.27451	0.02500	0.11004	0.00943	0.56	1667.13	78.44	75.52	1563.65	127.05	125.81	1800.01	160.06	151.88	1667.13	78.44	75.52	207Pb/235Uc concordant scans	3	31
P1413_008_Zrn_A_1_MBD_67	246	75	3.26	4.69462	0.19810	0.31619	0.01001	0.10768	0.00420	0.40	1766.28	35.63	35.02	1771.10	49.10	48.91	1760.58	72.25	70.54	1766.28	35.63	35.02	207Pb/235Uc concordant scans	27	31
P1413_008_Zrn_A_1_MBD_66	168	71	2.37	4.81687	0.20645	0.32402	0.01036	0.10782	0.00418	0.44	1787.85	36.36	35.72	1809.32	50.53	50.33	1762.89	71.80	70.11	1787.85	36.36	35.72	207Pb/235Uc concordant scans	29	31
P1413_008_Zrn_A_1_MBD_91	67	75	0.90	5.18270	0.28193	0.33918	0.01291	0.11082	0.00507	0.54	1849.78	46.84	45.78	1882.73	62.30	62.00	1812.92	84.22	81.90	1849.78	46.84	45.78	207Pb/235Uc concordant scans	25	31
P1413_008_Zrn_A_1_MBD_61	427	138	3.10	5.29130	0.19712	0.33174	0.00956	0.11568	0.00415	0.32	1867.46	32.07	31.57	1846.83	46.38	46.21	1890.50	65.29	63.88	1867.46	32.07	31.57	207Pb/235Uc concordant scans	28	31
P1413_008_Zrn_A_1_MBD_49	79	50	1.59	5.35610	0.31457	0.33414	0.01201	0.11626	0.00596	0.49	1877.87	50.89	49.64	1858.41	58.16	57.89	1899.45	93.57	90.70	1877.87	50.89	49.64	207Pb/235Uc concordant scans	28	31
P1413_008_Zrn_A_1_MBD_64	208	72	2.90	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1887.10	147.38	134.60	Pbc-corrected isotopic sums	0	31
P1413_008_Zrn_A_1_MBD_92	87	79	1.10	5.45220	0.30279	0.34109	0.01461	0.11593	0.00522	0.59	1893.10	48.22	47.10	1891.92	70.43	70.04	1894.40	82.12	79.91	1893.10	48.22	47.10	207Pb/235Uc concordant scans	25	31
P1413_008_Zrn_A_1_MBD_10	70	12	5.94	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1951.95	212.77	157.26	Pbc-corrected isotopic sums	0	31
P1413_008_Zrn_A_1_MBD_9	355	86	4.12	5.90264	0.24212	0.35574	0.01037	0.12034	0.00459	0.39	1961.62	35.93	35.31	1961.94	49.42	49.23	1961.28	68.88	67.31	1961.62	35.93	35.31	207Pb/235Uc concordant scans	27	31
P1413_008_Zrn_A_1_MBD_25	455	159	2.86	6.18472	0.32863	0.35929	0.01660	0.12485	0.00519	0.64	2002.29	46.98	45.92	1978.81	78.94	78.46	2026.61	74.61	72.77	2002.29	46.98	45.92	207Pb/235Uc concordant scans	18	31
P1413_008_Zrn_A_1_MBD_59	94	27	3.55	6.43907	0.31149	0.36707	0.01205	0.12722	0.00603	0.30	2037.62	42.97	42.08	2015.62	56.93	56.68	2059.96	84.86	82.48	2037.62	42.97	42.08	207Pb/235Uc concordant scans	24	31
P1413_008_Zrn_A_1_MBD_112	58	89	0.65	12.06458	0.64295	0.46811	0.02300	0.18692	0.00847	0.58	2609.44	50.59	49.37	2475.26	101.38	100.59	2715.29	75.66	73.71	2609.44	50.59	49.37	207Pb/235Uc concordant scans	16	31
P1413_008_Zrn_A_1_MBD_17	179	218	0.82	13.93197	0.60060	0.54210	0.01827	0.18639	0.00776	0.37	2745.09	41.26	40.44	2792.25	76.59	76.14	2710.59	69.46	67.82	2745.09	41.26	40.44	207Pb/235Uc concordant scans	26	31
P1413_008_Zrn_A_1_MBD_102	237	236	1.01	14.57658	1.19476	0.50649	0.03773	0.20873	0.01353	0.64	2788.01	79.41	76.43	2641.61	162.48	160.46	2895.72	107.12	103.23	2788.01	79.41	76.43	207Pb/235Uc concordant scans	3	31
P1413_008_Zrn_A_1_MBD_5	39	27	1.42	15.22911	1.29891	0.56615	0.04237	0.19509	0.01159	0.73	2829.68	82.94	79.68	2891.98	175.59	173.24	2785.59	99.00	95.67	2829.68	82.94	79.68	207Pb/235Uc concordant scans	14	31
P1413_008_Zrn_A_1_MBD_109	74	32	2.29	15.77993	0.74592	0.54327	0.02185	0.21066	0.00849	0.55	2863.57	45.65	44.64	2797.12	91.59	90.94	2910.65	66.08	64.58	2863.57	45.65	44.64	207Pb/235Uc concordant scans	29	31
P1413_008_Zrn_A_1_MBD_21	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_008_Zrn_A_1_MBD_31	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_008_Zrn_A_1_MBD_33	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_008_Zrn_A_1_MBD_48	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_008_Zrn_A_1_MBD_56	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_008_Zrn_A_1_MBD_58	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_008_Zrn_A_1_MBD_70	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_008_Zrn_A_1_MBD_99	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_008_Zrn_A_1_MBD_100	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_008_Zrn_A_1_MBD_101	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0

Data Repository Item E - U-Pb zircon analytical results from Cantwell Formation bentonites

Mineral	**Zircon**
Sample Name	**05DOB**
A2Z Name	**1413-09**

	Uranium and Thorium			Concordant Scans: Isotopic Ratios							Concordant Scans: Ages									Preferred Age (Ma)					
Analysis Name	**[U] (ppm)**	**[Th] (ppm)**	**U/Th**	**207Pb/235U**	**2 sigma**	**206Pb/238U**	**2 sigma**	**207Pb/206Pb**	**2 sigma**	**Error Correlation**	**207Pb/235U**	**2 -sigma**	**2 +sigma**	**206Pb/238U**	**2 -sigma**	**2 +sigma**	**207Pb/206Pb**	**2 -sigma**	**2 +sigma**	**Preferred Age**	**2 -sigma**	**2 +sigma**	**Age Type**	**Concordant**	**Total Scans**
P1413_009_Zrn_A_1_MBD_45	289	83	3.47	0.06927	0.00875	0.00982	0.00060	0.05117	0.00687	0.09	68.00	8.32	8.29	62.98	3.82	3.82	248.27	324.78	295.26	62.98	3.82	3.82	206Pb/238U concordant scans	19	31
P1413_009_Zrn_A_1_MBD_0	227	48	4.74	0.07795	0.01566	0.00999	0.00049	0.05661	0.01151	0.06	76.22	14.80	14.69	64.06	3.13	3.13	476.38	484.08	420.45	64.06	3.13	3.13	206Pb/238U concordant scans	22	31
P1413_009_Zrn_A_1_MBD_43	320	126	2.55	0.08018	0.01556	0.01007	0.00051	0.05774	0.01133	0.08	78.31	14.68	14.58	64.60	3.27	3.27	520.03	462.16	403.67	64.60	3.27	3.27	206Pb/238U concordant scans	18	31
P1413_009_Zrn_A_1_MBD_11	839	562	1.49	0.06861	0.00917	0.01015	0.00052	0.04904	0.00656	0.17	67.38	8.73	8.69	65.09	3.35	3.35	149.60	299.19	299.51	65.09	3.35	3.35	206Pb/238U concordant scans	13	31
P1413_009_Zrn_A_1_MBD_28	560	297	1.89	0.07056	0.00875	0.01030	0.00058	0.04968	0.00652	0.07	69.23	8.31	8.28	66.07	3.70	3.70	179.89	321.17	292.40	66.07	3.70	3.70	206Pb/238U concordant scans	16	31
P1413_009_Zrn_A_1_MBD_37	326	98	3.32	0.07294	0.03797	0.01031	0.00081	0.05131	0.02680	0.05	71.49	36.25	35.62	66.12	5.19	5.19	254.83	509.66	1020.27	66.12	5.19	5.19	206Pb/238U concordant scans	4	31
P1413_009_Zrn_A_1_MBD_44	523	263	1.99	0.07083	0.00894	0.01032	0.00046	0.04976	0.00633	0.13	69.48	8.49	8.46	66.21	2.93	2.93	183.87	310.37	283.41	66.21	2.93	2.93	206Pb/238U concordant scans	26	31
P1413_009_Zrn_A_1_MBD_51	488	211	2.31	0.07078	0.01141	0.01033	0.00050	0.04971	0.00797	0.15	69.44	10.85	10.79	66.24	3.16	3.16	181.33	362.66	353.81	66.24	3.16	3.16	206Pb/238U concordant scans	13	31
P1413_009_Zrn_A_1_MBD_36	280	112	2.50	0.07243	0.01416	0.01034	0.00053	0.05080	0.01004	0.07	71.00	13.45	13.36	66.32	3.36	3.35	231.89	463.78	426.98	66.32	3.36	3.35	206Pb/238U concordant scans	20	31
P1413_009_Zrn_A_1_MBD_10	414	189	2.19	0.06882	0.00936	0.01038	0.00042	0.04806	0.00666	0.05	67.58	8.91	8.87	66.60	2.65	2.65	102.45	204.90	312.09	66.60	2.65	2.65	206Pb/238U concordant scans	16	31
P1413_009_Zrn_A_1_MBD_3	381	131	2.91	0.07524	0.01413	0.01044	0.00047	0.05229	0.00982	0.11	73.66	13.39	13.30	66.92	2.97	2.97	298.01	459.42	402.31	66.92	2.97	2.97	206Pb/238U concordant scans	19	31
P1413_009_Zrn_A_1_MBD_78	309	108	2.86	0.07872	0.01776	0.01056	0.00041	0.05409	0.01226	0.04	76.94	16.79	16.65	67.69	2.59	2.59	374.97	555.09	473.45	67.69	2.59	2.59	206Pb/238U concordant scans	24	31
P1413_009_Zrn_A_1_MBD_58	445	185	2.41	0.07420	0.01080	0.01059	0.00051	0.05083	0.00761	0.06	72.68	10.24	10.19	67.90	3.26	3.26	232.92	365.55	328.61	67.90	3.26	3.26	206Pb/238U concordant scans	16	31
P1413_009_Zrn_A_1_MBD_42	606	362	1.67	0.06897	0.00851	0.01060	0.00060	0.04719	0.00587	0.20	67.72	8.10	8.07	67.97	3.84	3.84	58.79	117.58	283.87	67.97	3.84	3.84	206Pb/238U concordant scans	16	31
P1413_009_Zrn_A_1_MBD_1	252	77	3.25	0.07377	0.01713	0.01062	0.00048	0.05037	0.01175	0.06	72.27	16.27	16.14	68.12	3.05	3.05	212.08	424.15	500.10	68.12	3.05	3.05	206Pb/238U concordant scans	17	31
P1413_009_Zrn_A_1_MBD_39	248	89	2.80	0.06914	0.01650	0.01062	0.00074	0.04720	0.01131	0.13	67.88	15.73	15.61	68.12	4.71	4.70	59.54	119.08	526.28	68.12	4.71	4.70	206Pb/238U concordant scans	9	31
P1413_009_Zrn_A_1_MBD_33	491	285	1.72	0.08211	0.01586	0.01067	0.00063	0.05582	0.01103	0.06	80.13	14.94	14.83	68.41	4.02	4.02	445.29	472.12	411.50	68.41	4.02	4.02	206Pb/238U concordant scans	13	31
P1413_009_Zrn_A_1_MBD_52	243	81	2.99	0.07289	0.01800	0.01067	0.00069	0.04953	0.01233	0.09	71.43	17.10	16.96	68.43	4.38	4.37	173.16	346.32	534.49	68.43	4.38	4.37	206Pb/238U concordant scans	9	31
P1413_009_Zrn_A_1_MBD_5	268	80	3.37	0.07655	0.01817	0.01068	0.00072	0.05197	0.01238	0.12	74.90	17.21	17.07	68.51	4.59	4.59	283.93	567.85	503.55	68.51	4.59	4.59	206Pb/238U concordant scans	14	31
P1413_009_Zrn_A_1_MBD_14	295	89	3.32	0.08910	0.03428	0.01069	0.00054	0.06044	0.02335	0.03	86.67	32.22	31.71	68.56	3.43	3.43	619.36	965.75	739.72	68.56	3.43	3.43	206Pb/238U concordant scans	10	31
P1413_009_Zrn_A_1_MBD_6	176	59	2.97	0.06928	0.02224	0.01069	0.00095	0.04698	0.01547	0.04	68.01	21.23	21.01	68.58	6.05	6.04	48.31	96.62	704.83	68.58	6.05	6.04	206Pb/238U concordant scans	12	31
P1413_009_Zrn_A_1_MBD_60	289	83	3.48	0.07653	0.01405	0.01072	0.00065	0.05178	0.00986	0.04	74.87	13.29	13.21	68.73	4.15	4.15	275.70	468.26	409.15	68.73	4.15	4.15	206Pb/238U concordant scans	16	31
P1413_009_Zrn_A_1_MBD_38	644	391	1.65	0.07199	0.00937	0.01076	0.00043	0.04854	0.00637	0.11	70.59	8.90	8.86	68.97	2.77	2.77	125.75	251.50	295.11	68.97	2.77	2.77	206Pb/238U concordant scans	17	31
P1413_009_Zrn_A_1_MBD_94	314	90	3.48	0.07586	0.01722	0.01076	0.00041	0.05112	0.01167	0.04	74.24	16.32	16.19	69.00	2.63	2.63	246.37	492.74	487.02	69.00	2.63	2.63	206Pb/238U concordant scans	15	31
P1413_009_Zrn_A_1_MBD_56	301	92	3.28	0.07643	0.01599	0.01080	0.00054	0.05133	0.01075	0.11	74.78	15.14	15.03	69.24	3.47	3.47	255.81	511.63	448.76	69.24	3.47	3.47	206Pb/238U concordant scans	18	31
P1413_009_Zrn_A_1_MBD_89	387	137	2.83	0.07457	0.01047	0.01083	0.00045	0.04995	0.00719	0.04	73.02	9.92	9.87	69.43	2.89	2.89	192.45	353.34	318.80	69.43	2.89	2.89	206Pb/238U concordant scans	23	31
P1413_009_Zrn_A_1_MBD_23	266	90	2.96	0.07512	0.01080	0.01083	0.00053	0.05029	0.00745	0.06	73.54	10.23	10.18	69.46	3.41	3.41	208.32	362.86	326.49	69.46	3.41	3.41	206Pb/238U concordant scans	18	31
P1413_009_Zrn_A_1_MBD_20	252	94	2.69	0.07362	0.02233	0.01085	0.00074	0.04921	0.01505	0.07	72.13	21.23	21.01	69.56	4.72	4.72	158.07	316.14	646.67	69.56	4.72	4.72	206Pb/238U concordant scans	22	31
P1413_009_Zrn_A_1_MBD_31	189	58	3.27	0.07633	0.02377	0.01086	0.00074	0.05099	0.01609	0.04	74.69	22.55	22.30	69.62	4.74	4.74	240.34	480.68	655.88	69.62	4.74	4.74	206Pb/238U concordant scans	17	31
P1413_009_Zrn_A_1_MBD_59	311	90	3.45	0.07749	0.01379	0.01086	0.00053	0.05174	0.00934	0.07	75.78	13.04	12.95	69.65	3.37	3.37	273.88	442.44	389.31	69.65	3.37	3.37	206Pb/238U concordant scans	16	31
P1413_009_Zrn_A_1_MBD_95	369	130	2.85	0.07839	0.01154	0.01088	0.00053	0.05225	0.00798	0.03	76.63	10.89	10.84	69.77	3.37	3.36	296.37	368.52	330.87	69.77	3.37	3.36	206Pb/238U concordant scans	17	31
P1413_009_Zrn_A_1_MBD_65	274	121	2.26	0.07586	0.01428	0.01088	0.00055	0.05055	0.00969	0.05	74.25	13.52	13.43	69.79	3.52	3.51	220.41	440.83	415.56	69.79	3.52	3.51	206Pb/238U concordant scans	18	31
P1413_009_Zrn_A_1_MBD_54	337	118	2.87	0.07737	0.01328	0.01092	0.00055	0.05139	0.00898	0.07	75.67	12.55	12.48	70.01	3.51	3.51	258.24	428.56	378.57	70.01	3.51	3.51	206Pb/238U concordant scans	15	31
P1413_009_Zrn_A_1_MBD_49	255	88	2.88	0.07634	0.01331	0.01092	0.00069	0.05069	0.00905	0.10	74.70	12.60	12.52	70.04	4.41	4.41	226.56	441.30	388.57	70.04	4.41	4.41	206Pb/238U concordant scans	12	31
P1413_009_Zrn_A_1_MBD_13	288	173	1.67	0.07570	0.02025	0.01093	0.00066	0.05025	0.01347	0.10	74.09	19.20	19.02	70.06	4.18	4.18	206.45	412.90	568.72	70.06	4.18	4.18	206Pb/238U concordant scans	20	31
P1413_009_Zrn_A_1_MBD_26	294	97	3.02	0.07166	0.01301	0.01094	0.00065	0.04749	0.00892	0.04	70.27	12.37	12.29	70.17	4.16	4.16	73.75	147.50	418.39	70.17	4.16	4.16	206Pb/238U concordant scans	14	31
P1413_009_Zrn_A_1_MBD_74	558	225	2.48	0.07567	0.00989	0.01095	0.00052	0.05014	0.00652	0.19	74.07	9.36	9.32	70.18	3.31	3.31	201.44	316.51	288.49	70.18	3.31	3.31	206Pb/238U concordant scans	12	31
P1413_009_Zrn_A_1_MBD_86	475	244	1.94	0.07442	0.04172	0.01095	0.00069	0.04929	0.02776	0.01	72.88	39.81	39.05	70.20	4.40	4.39	161.83	323.67	1104.64	70.20	4.40	4.39	206Pb/238U concordant scans	16	31
P1413_009_Zrn_A_1_MBD_77	448	195	2.30	0.07398	0.02748	0.01099	0.00040	0.04880	0.01817	0.01	72.47	26.15	25.82	70.49	2.54	2.54	138.24	276.48	774.53	70.49	2.54	2.54	206Pb/238U concordant scans	17	31
P1413_009_Zrn_A_1_MBD_35	305	87	3.50	0.07918	0.01634	0.01101	0.00043	0.05215	0.01084	0.04	77.37	15.44	15.32	70.60	2.73	2.73	292.01	512.89	442.74	70.60	2.73	2.73	206Pb/238U concordant scans	24	31
P1413_009_Zrn_A_1_MBD_19	239	86	2.78	0.08034	0.03127	0.01101	0.00073	0.05291	0.02077	0.03	78.47	29.60	29.18	70.61	4.63	4.63	324.85	649.69	786.34	70.61	4.63	4.63	206Pb/238U concordant scans	12	31
P1413_009_Zrn_A_1_MBD_64	353	136	2.60	0.07931	0.01302	0.01102	0.00064	0.05222	0.00885	0.07	77.49	12.29	12.21	70.62	4.09	4.09	294.95	412.06	365.54	70.62	4.09	4.09	206Pb/238U concordant scans	14	31
P1413_009_Zrn_A_1_MBD_32	264	68	3.90	0.07670	0.01465	0.01102	0.00057	0.05048	0.00977	0.07	75.04	13.86	13.77	70.65	3.64	3.63	217.16	434.32	419.85	70.65	3.64	3.63	206Pb/238U concordant scans	22	31
P1413_009_Zrn_A_1_MBD_83	339	86	3.95	0.08253	0.01512	0.01103	0.00052	0.05429	0.01007	0.07	80.52	14.23	14.13	70.68	3.33	3.33	383.10	446.45	392.06	70.68	3.33	3.33	206Pb/238U concordant scans	17	31
P1413_009_Zrn_A_1_MBD_90	252	70	3.60	0.07250	0.01120	0.01103	0.00077	0.04768	0.00780	0.08	71.07	10.63	10.58	70.70	4.90	4.89	83.57	167.15	366.98	70.70	4.90	4.89	206Pb/238U concordant scans	15	31
P1413_009_Zrn_A_1_MBD_48	243	82	2.98	0.08299	0.02018	0.01103	0.00054	0.05456	0.01345	0.02	80.95	19.01	18.83	70.73	3.46	3.46	394.17	606.06	509.90	70.73	3.46	3.46	206Pb/238U concordant scans	15	31
P1413_009_Zrn_A_1_MBD_66	292	99	2.93	0.07592	0.01167	0.01104	0.00065	0.04990	0.00804	0.04	74.30	11.04	10.98	70.75	4.11	4.11	190.13	380.27	354.77	70.75	4.11	4.11	206Pb/238U concordant scans	16	31
P1413_009_Zrn_A_1_MBD_99	264	98	2.68	0.08020	0.01495	0.01104	0.00055	0.05266	0.01006	0.03	78.33	14.11	14.01	70.81	3.49	3.49	314.24	466.35	407.56	70.81	3.49	3.49	206Pb/238U concordant scans	23	31
P1413_009_Zrn_A_1_MBD_80	1512	969	1.56	0.07496	0.00709	0.01105	0.00030	0.04919	0.00466	0.10	73.39	6.71	6.69	70.86	1.88	1.88	156.74	229.70	214.62	70.86	1.88	1.88	206Pb/238U concordant scans	26	31
P1413_009_Zrn_A_1_MBD_76	276	81	3.41	0.07520	0.01395	0.01107	0.00047	0.04925	0.00925	0.05	73.62	13.22	13.13	71.00	3.03	3.03	159.63	319.26	412.03	71.00	3.03	3.03	206Pb/238U concordant scans	23	31
P1413_009_Zrn_A_1_MBD_27	298	109	2.74	0.07833	0.01446	0.01110	0.00074	0.05119	0.00983	0.05	76.58	13.66	13.57	71.16	4.73	4.73	249.28	474.70	414.15	71.16	4.73	4.73	206Pb/238U concordant scans	14	31
P1413_009_Zrn_A_1_MBD_106	288	87	3.29	0.08064	0.02131	0.01114	0.00061	0.05251	0.01389	0.09	78.75	20.13	19.93	71.40	3.87	3.86	307.74	615.48	552.15	71.40	3.87	3.86	206Pb/238U concordant scans	12	31
P1413_009_Zrn_A_1_MBD_30	253	96	2.63	0.08019	0.02112	0.01115	0.00088	0.05217	0.01406	0.06	78.32	19.95	19.76	71.47	5.62	5.62	292.90	585.79	563.21	71.47	5.62	5.62	206Pb/238U concordant scans	7	31
P1413_009_Zrn_A_1_MBD_57	271	90	3.03	0.07823	0.01334	0.01118	0.00051	0.05073	0.00875	0.07	76.48	12.60	12.52	71.69	3.26	3.26	228.67	425.10	375.96	71.69	3.26	3.26	206Pb/238U concordant scans	25	31
P1413_009_Zrn_A_1_MBD_102	307	116	2.66	0.07885	0.01597	0.01119	0.00051	0.05109	0.01048	0.04	77.06	15.09	14.98	71.76	3.24	3.24	244.79	489.57	441.14	71.76	3.24	3.24	206Pb/238U concordant scans	17	31
P1413_009_Zrn_A_1_MBD_63	519	238	2.18	0.07515	0.00974	0.01120	0.00044	0.04868	0.00634	0.11	73.57	9.22	9.18	71.78	2.80	2.80	132.24	264.49	292.56	71.78	2.80	2.80	206Pb/238U concordant scans	22	31
P1413_009_Zrn_A_1_MBD_87	468	189	2.47	0.07666	0.01392	0.01122	0.00054	0.04955	0.00914	0.06	75.00	13.17	13.09	71.94	3.42	3.42	173.79	347.59	404.19	71.94	3.42	3.42	206Pb/238U concordant scans	14	31
P1413_009_Zrn_A_1_MBD_71	451	209	2.16	0.08404	0.01499	0.01125	0.00047	0.05416	0.00973	0.07	81.94	14.09	13.99	72.14	2.99	2.99	377.67	431.85	380.78	72.14	2.99	2.99	206Pb/238U concordant scans	17	31
P1413_009_Zrn_A_1_MBD_62	428	199	2.16	0.08176	0.01226	0.01127	0.00074	0.05263	0.00837	0.06	79.80	11.54	11.47	72.22	4.74	4.74	312.93	383.63	342.95	72.22	4.74	4.74	206Pb/238U concordant scans	14	31
P1413_009_Zrn_A_1_MBD_107	332	114	2.92	0.07369	0.01358	0.01129	0.00071	0.04732	0.00903	0.06	72.20	12.89	12.80	72.40	4.55	4.55	65.47	130.93	425.40	72.40	4.55	4.55	206Pb/238U concordant scans	14	31
P1413_009_Zrn_A_1_MBD_88	227	72	3.14	0.08468	0.01688	0.01130	0.00076	0.05437	0.01122	0.05	82.54	15.86	15.74	72.41	4.86	4.86	386.30	500.40	433.05	72.41	4.86	4.86	206Pb/238U concordant scans	19	31
P1413_009_Zrn_A_1_MBD_119	768	393	1.95	0.07785	0.00719	0.01134	0.00038	0.04980	0.00474	0.06	76.12	6.79	6.76	72.68	2.45	2.45	185.52	229.52	214.44	72.68	2.45	2.45	206Pb/238U concordant scans	26	31
P1413_009_Zrn_A_1_MBD_69	265	80	3.31	0.07939	0.01533	0.01134	0.00071	0.05078	0.01003	0.08	77.57	14.47	14.37	72.68	4.52	4.52	230.85	461.70	426.80	72.68	4.52	4.52	206Pb/238U concordant scans	12	31
P1413_009_Zrn_A_1_MBD_73	332	174	1.90	0.08271	0.01847	0.01134	0.00081	0.05289	0.01187	0.14	80.69	17.40	17.25	72.71	5.16	5.16	324.06	554.31	473.11	72.71	5.16	5.16	206Pb/238U concordant scans	17	31
P1413_009_Zrn_A_1_MBD_85	333	129	2.59	0.07663	0.01466	0.01136	0.00053	0.04893	0.00947	0.06	74.98	13.88	13.78	72.81	3.40	3.40	144.43	288.86	425.25	72.81	3.40	3.40	206Pb/238U concordant scans	18	31
P1413_009_Zrn_A_1_MBD_2	262	136	1.92	0.09338	0.02304	0.01136	0.00067	0.05960	0.01484	0.07	90.64	21.51	21.29	72.84	4.27	4.27	588.92	591.72	498.74	72.84	4.27	4.27	206Pb/238U concordant scans	18	31
P1413_009_Zrn_A_1_MBD_92	206	47	4.41	0.09012	0.01909	0.01140	0.00049	0.05734	0.01230	0.02	87.62	17.86	17.71	73.06	3.12	3.12	504.69	510.62	440.20	73.06	3.12	3.12	206Pb/238U concordant scans	22	31
P1413_009_Zrn_A_1_MBD_84	227	71	3.21	0.08434	0.02259	0.01143	0.00060	0.05353	0.01448	0.04	82.22	21.26	21.04	73.24	3.81	3.81	351.45	677.19	559.57	73.24	3.81	3.81	206Pb/238U concordant scans	15	31
P1413_009_Zrn_A_1_MBD_112	245	76	3.24	0.07615	0.01379	0.01144	0.00060	0.04829	0.00889	0.08	74.52	13.06	12.97	73.31	3.86	3.85	113.57	227.14	407.63	73.31	3.86	3.85	206Pb/238U concordant scans	16	31
P1413_009_Zrn_A_1_MBD_29	247	83	2.96	0.08674	0.01744	0.01148	0.00068	0.05482	0.01127	0.05	84.46	16.36	16.23	73.56	4.31	4.30	404.69	496.63	430.15	73.56	4.31	4.30	206Pb/238U concordant scans	19	31
P1413_009_Zrn_A_1_MBD_18	205	63	3.26	0.07791	0.01858	0.01149	0.00063	0.04918	0.01187	0.05	76.18	17.58	17.42	73.65	4.02	4.02	156.39	312.79	520.82	73.65	4.02	4.02	206Pb/238U concordant scans	17	31
P1413_009_Zrn_A_1_MBD_118	290	73	3.95	0.07452	0.01424	0.01154	0.00048	0.04685	0.00908	0.03	72.98	13.50	13.41	73.93	3.06	3.06	41.72	83.43	433.49	73.93	3.06	3.06	206Pb/238U concordant scans	23	31
P1413_009_Zrn_A_1_MBD_98	254	71	3.60	0.08185	0.01494	0.01156	0.00054	0.05136	0.00958	0.03	79.88	14.07	13.98	74.07	3.41	3.41	257.19	459.54	402.54	74.07	3.41	3.41	206Pb/238U concordant scans	20	31

P1413_009_Zrn_A_1_MBD_113	218	70	3.10	0.08018	0.01696	0.01156	0.00099	0.05030	0.01128	0.04	78.31	16.01	15.88	74.09	6.28	6.28	209.09	418.17	482.07	74.09	6.28	6.28	206Pb/238U concordant scans	17	31
P1413_009_Zrn_A_1_MBD_82	273	127	2.14	0.07650	0.01479	0.01165	0.00071	0.04762	0.00950	0.04	74.85	14.00	13.90	74.68	4.54	4.54	80.37	160.74	442.57	74.68	4.54	4.54	206Pb/238U concordant scans	20	31
P1413_009_Zrn_A_1_MBD_67	259	104	2.49	0.08551	0.01669	0.01168	0.00070	0.05308	0.01070	0.03	83.32	15.67	15.55	74.89	4.47	4.47	332.24	492.57	427.37	74.89	4.47	4.47	206Pb/238U concordant scans	17	31
P1413_009_Zrn_A_1_MBD_110	265	116	2.28	0.08906	0.02901	0.01176	0.00100	0.05494	0.01815	0.07	86.62	27.23	26.87	75.34	6.36	6.35	409.87	819.74	664.58	75.34	6.36	6.35	206Pb/238U concordant scans	7	31
P1413_009_Zrn_A_1_MBD_15	365	146	2.50	0.08470	0.01397	0.01177	0.00055	0.05221	0.00870	0.09	82.55	13.12	13.03	75.40	3.51	3.51	294.64	404.46	359.55	75.40	3.51	3.51	206Pb/238U concordant scans	15	31
P1413_009_Zrn_A_1_MBD_16	260	83	3.13	0.08407	0.02177	0.01184	0.00105	0.05149	0.01371	0.08	81.97	20.49	20.29	75.89	6.70	6.70	262.83	525.67	559.65	75.89	6.70	6.70	206Pb/238U concordant scans	9	31
P1413_009_Zrn_A_1_MBD_34	320	116	2.76	0.09134	0.02583	0.01192	0.00085	0.05557	0.01580	0.10	88.75	24.17	23.89	76.40	5.39	5.39	435.04	704.50	577.50	76.40	5.39	5.39	206Pb/238U concordant scans	9	31
P1413_009_Zrn_A_1_MBD_68	270	111	2.44	0.08366	0.01652	0.01216	0.00091	0.04989	0.01021	0.08	81.58	15.54	15.42	77.94	5.80	5.80	189.67	379.34	444.40	77.94	5.80	5.80	206Pb/238U concordant scans	10	31
P1413_009_Zrn_A_1_MBD_81	167	49	3.43	0.10307	0.03235	0.01247	0.00111	0.05996	0.01943	0.02	99.61	30.00	29.56	79.88	7.06	7.06	602.00	791.46	633.24	79.88	7.06	7.06	206Pb/238U concordant scans	12	31
P1413_009_Zrn_A_1_MBD_93	128	62	2.06	0.18142	0.03568	0.02438	0.00177	0.05396	0.01096	0.09	169.29	30.90	30.44	155.30	11.12	11.11	369.48	493.09	427.63	155.30	11.12	11.11	206Pb/238U concordant scans	9	31
P1413_009_Zrn_A_1_MBD_55	183	67	2.72	0.18001	0.03005	0.02491	0.00150	0.05241	0.00905	0.07	168.07	26.02	25.70	158.61	9.41	9.41	303.42	419.45	371.32	158.61	9.41	9.41	206Pb/238U concordant scans	10	31
P1413_009_Zrn_A_1_MBD_50	239	104	2.29	0.19202	0.02867	0.02512	0.00117	0.05544	0.00811	0.21	178.35	24.57	24.28	159.94	7.38	7.38	429.90	343.98	310.68	159.94	7.38	7.38	206Pb/238U concordant scans	20	31
P1413_009_Zrn_A_1_MBD_75	164	59	2.77	0.18219	0.02817	0.02521	0.00153	0.05241	0.00828	0.13	169.95	24.34	24.06	160.52	9.64	9.64	303.34	381.44	341.22	160.52	9.64	9.64	206Pb/238U concordant scans	12	31
P1413_009_Zrn_A_1_MBD_96	93	37	2.55	0.16803	0.04891	0.02536	0.00133	0.04805	0.01411	0.03	157.71	42.97	42.08	161.46	8.36	8.36	101.70	203.40	629.44	161.46	8.36	8.36	206Pb/238U concordant scans	21	31
P1413_009_Zrn_A_1_MBD_17	121	46	2.63	0.17789	0.02930	0.02576	0.00122	0.05008	0.00839	0.06	166.25	25.41	25.10	163.97	7.67	7.67	198.73	397.47	367.40	163.97	7.67	7.67	206Pb/238U concordant scans	24	31
P1413_009_Zrn_A_1_MBD_8	154	78	1.97	0.16953	0.02857	0.02581	0.00131	0.04765	0.00814	0.09	159.01	24.96	24.66	164.25	8.22	8.22	81.75	163.50	382.30	164.25	8.22	8.22	206Pb/238U concordant scans	21	31
P1413_009_Zrn_A_1_MBD_25	257	110	2.34	0.17656	0.01735	0.02599	0.00080	0.04927	0.00487	0.09	165.09	15.03	14.92	165.40	5.02	5.02	160.77	239.62	223.26	165.40	5.02	5.02	206Pb/238U concordant scans	27	31
P1413_009_Zrn_A_1_MBD_105	167	93	1.79	0.18484	0.02070	0.02603	0.00128	0.05151	0.00594	0.13	172.21	17.81	17.66	165.63	8.07	8.07	263.64	276.14	254.49	165.63	8.07	8.07	206Pb/238U concordant scans	18	31
P1413_009_Zrn_A_1_MBD_53	137	67	2.05	0.19741	0.01962	0.02621	0.00122	0.05462	0.00543	0.21	182.93	16.71	16.57	166.79	7.66	7.66	396.76	230.99	215.52	166.79	7.66	7.66	206Pb/238U concordant scans	25	31
P1413_009_Zrn_A_1_MBD_24	297	130	2.28	0.18328	0.01899	0.02623	0.00090	0.05067	0.00521	0.16	170.88	16.36	16.23	166.93	5.63	5.62	225.83	246.70	229.32	166.93	5.63	5.62	206Pb/238U concordant scans	16	31
P1413_009_Zrn_A_1_MBD_97	123	44	2.80	0.18724	0.03054	0.02637	0.00168	0.05150	0.00885	0.04	174.27	26.29	25.95	167.78	10.55	10.54	263.35	420.28	372.08	167.78	10.55	10.54	206Pb/238U concordant scans	16	31
P1413_009_Zrn_A_1_MBD_100	151	64	2.37	0.18930	0.03388	0.02652	0.00133	0.05178	0.00932	0.11	176.03	29.13	28.72	168.71	8.33	8.32	275.58	441.02	388.20	168.71	8.33	8.32	206Pb/238U concordant scans	18	31
P1413_009_Zrn_A_1_MBD_70	230	146	1.57	0.17895	0.02679	0.02652	0.00161	0.04893	0.00738	0.17	167.16	23.20	22.94	168.76	10.13	10.12	144.48	288.95	335.92	168.76	10.13	10.12	206Pb/238U concordant scans	16	31
P1413_009_Zrn_A_1_MBD_108	104	49	2.12	0.19839	0.03266	0.02679	0.00200	0.05370	0.00922	0.12	183.76	27.87	27.49	170.44	12.59	12.58	358.69	412.82	365.97	170.44	12.59	12.58	206Pb/238U concordant scans	10	31
P1413_009_Zrn_A_1_MBD_79	544	244	2.23	0.17279	0.01512	0.02698	0.00101	0.04645	0.00405	0.19	161.84	13.14	13.05	171.63	6.32	6.32	20.81	41.63	203.14	171.63	6.32	6.32	206Pb/238U concordant scans	14	31
P1413_009_Zrn_A_1_MBD_7	592	381	1.55	0.19051	0.01326	0.02702	0.00098	0.05114	0.00345	0.28	177.06	11.34	11.28	171.85	6.14	6.14	247.29	159.20	151.77	171.85	6.14	6.14	206Pb/238U concordant scans	14	31
P1413_009_Zrn_A_1_MBD_116	178	57	3.14	0.20097	0.02985	0.02708	0.00121	0.05382	0.00803	0.12	185.94	25.39	25.08	172.25	7.60	7.59	363.64	355.26	319.99	172.25	7.60	7.59	206Pb/238U concordant scans	21	31
P1413_009_Zrn_A_1_MBD_47	163	50	3.24	0.19380	0.03242	0.02710	0.00171	0.05186	0.00873	0.16	179.86	27.76	27.39	172.39	10.75	10.74	279.28	410.14	364.07	172.39	10.75	10.74	206Pb/238U concordant scans	15	31
P1413_009_Zrn_A_1_MBD_104	172	93	1.85	0.19682	0.02478	0.02711	0.00094	0.05265	0.00673	0.06	182.43	21.14	20.92	172.46	5.88	5.88	313.68	304.58	278.37	172.46	5.88	5.88	206Pb/238U concordant scans	27	31
P1413_009_Zrn_A_1_MBD_22	106	48	2.21	0.20510	0.05170	0.02718	0.00114	0.05473	0.01379	0.07	189.43	44.03	43.10	172.88	7.12	7.12	401.14	620.21	519.84	172.88	7.12	7.12	206Pb/238U concordant scans	22	31
P1413_009_Zrn_A_1_MBD_109	141	59	2.40	0.20973	0.03005	0.02732	0.00145	0.05568	0.00835	0.04	193.33	25.38	25.07	173.75	9.12	9.11	439.61	352.12	317.29	173.75	9.12	9.11	206Pb/238U concordant scans	19	31
P1413_009_Zrn_A_1_MBD_61	106	31	3.43	0.21114	0.04732	0.02737	0.00173	0.05596	0.01280	0.06	194.51	40.07	39.29	174.04	10.84	10.83	450.70	552.76	471.41	174.04	10.84	10.83	206Pb/238U concordant scans	17	31
P1413_009_Zrn_A_1_MBD_101	211	41	5.16	0.19559	0.02212	0.02760	0.00106	0.05140	0.00594	0.08	181.39	18.88	18.70	175.51	6.64	6.63	258.63	276.78	255.04	175.51	6.64	6.63	206Pb/238U concordant scans	16	31
P1413_009_Zrn_A_1_MBD_103	201	76	2.64	0.20042	0.03236	0.02762	0.00129	0.05262	0.00847	0.15	185.48	27.55	27.19	175.66	8.07	8.06	312.51	388.58	346.90	175.66	8.07	8.06	206Pb/238U concordant scans	25	31
P1413_009_Zrn_A_1_MBD_114	87	33	2.60	0.22225	0.05485	0.02819	0.00155	0.05718	0.01421	0.07	203.78	46.09	45.07	179.22	9.75	9.74	498.35	599.99	505.06	179.22	9.75	9.74	206Pb/238U concordant scans	17	31
P1413_009_Zrn_A_1_MBD_115	209	95	2.20	0.25655	0.03908	0.03260	0.00165	0.05709	0.00891	0.08	231.89	31.83	31.34	206.77	10.29	10.28	494.84	363.97	326.76	206.77	10.29	10.28	206Pb/238U concordant scans	15	31
P1413_009_Zrn_A_1_MBD_21	263	117	2.25	0.23233	0.03570	0.03349	0.00151	0.05031	0.00770	0.14	212.12	29.63	29.20	212.36	9.39	9.39	209.43	375.56	336.73	212.36	9.39	9.39	206Pb/238U concordant scans	27	31
P1413_009_Zrn_A_1_MBD_117	703	1416	0.50	0.25465	0.01553	0.03562	0.00142	0.05185	0.00282	0.47	230.35	12.61	12.53	225.63	8.82	8.82	278.75	127.12	122.33	225.63	8.82	8.82	206Pb/238U concordant scans	19	31
P1413_009_Zrn_A_1_MBD_111	186	58	3.19	0.30706	0.03839	0.04527	0.00171	0.04919	0.00617	0.12	271.90	30.05	29.61	285.44	10.53	10.52	156.89	307.51	281.07	285.44	10.53	10.52	206Pb/238U concordant scans	20	31
P1413_009_Zrn_A_1_MBD_91	388	278	1.40	8.17607	0.30383	0.41096	0.01004	0.14429	0.00503	0.36	2250.70	33.90	33.35	2219.32	45.96	45.80	2279.35	60.63	59.39	2250.70	33.90	33.35	207Pb/235Uc concordant scans	29	31
P1413_009_Zrn_A_1_MBD_72	484	187	2.59	0.06709	0.01406	0.01059	0.00038	0.04593	0.00966	0.05	65.93	13.43	13.34	67.93	2.44	2.44	0.00	0.00	460.35	0.00	0.00	0.00	Pbc-corrected concordant scans	14	31
P1413_009_Zrn_A_1_MBD_4	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_009_Zrn_A_1_MBD_9	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_009_Zrn_A_1_MBD_12	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_009_Zrn_A_1_MBD_40	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_009_Zrn_A_1_MBD_41	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0
P1413_009_Zrn_A_1_MBD_46	0	0	0.00	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	failed	0	0