

Sample 12AP20 Formation B  
Coordinates N75° 28' 58.4"  
E135° 57' 33.0"

Analysis Name	[U] (ppm)	[Th] (ppm)	U/Th	207Pb/235U	2 sigma	206Pb/238U	2 sigma	207Pb/206Pb	2 sigma	Error Correlation	206Pb/238U	2 sigma	207Pb/206Pb	2 sigma	Preferred Age	2 sigma	Discordance
1357_010_Zrn_a_01_94	1763.27	1361.47	1.30	0.3853	0.0307	0.0509	0.0026	0.0549	0.0038	0.4870	320.0	16.2	408.6	156.2	320.0	16.2	27.7
1357_010_Zrn_a_01_115	133.00	67.79	1.96	0.5057	0.0547	0.0666	0.0033	0.0551	0.0060	0.1609	415.7	20.1	414.9	245.4	415.7	20.1	-0.2
1357_010_Zrn_a_01_21	51.69	25.66	2.01	0.5203	0.0627	0.0673	0.0040	0.0561	0.0065	0.2950	420.0	24.4	454.5	259.5	420.0	24.4	8.2
1357_010_Zrn_a_01_100	674.78	372.86	1.81	0.5373	0.0322	0.0693	0.0028	0.0562	0.0030	0.4803	432.1	16.7	460.6	116.6	432.1	16.7	6.6
1357_010_Zrn_a_01_61	169.77	147.48	1.15	0.5738	0.0629	0.0747	0.0031	0.0557	0.0060	0.1854	464.4	18.7	440.8	241.8	464.4	18.7	-5.1
1357_010_Zrn_a_01_32	365.63	286.08	1.28	0.5731	0.0607	0.0750	0.0034	0.0554	0.0058	0.2102	466.2	20.1	429.4	233.8	466.2	20.1	-7.9
1357_010_Zrn_a_01_9	765.28	8.71	87.88	0.5992	0.0335	0.0756	0.0030	0.0575	0.0028	0.5111	469.8	18.2	510.1	105.6	469.8	18.2	8.6
1357_010_Zrn_a_01_79	523.91	270.26	1.94	0.5893	0.0334	0.0757	0.0025	0.0565	0.0031	0.2876	470.5	14.9	470.3	120.5	470.5	14.9	0.0
1357_010_Zrn_a_01_119	1831.33	521.96	3.51	0.6312	0.0366	0.0770	0.0034	0.0594	0.0028	0.5715	478.2	20.1	583.6	103.3	478.2	20.1	22.0
1357_010_Zrn_a_01_102	824.00	96.83	8.51	0.6252	0.0311	0.0774	0.0025	0.0586	0.0027	0.4071	480.4	14.7	552.5	99.3	480.4	14.7	15.0
1357_010_Zrn_a_01_111	469.86	253.65	1.85	0.6388	0.0398	0.0807	0.0031	0.0574	0.0033	0.3802	500.3	18.3	507.2	127.3	500.3	18.3	1.4
1357_010_Zrn_a_01_31	332.11	117.16	2.83	0.6370	0.0427	0.0820	0.0045	0.0563	0.0039	0.3168	508.2	26.8	465.0	153.3	508.2	26.8	-8.5
1357_010_Zrn_a_01_47	278.92	533.55	0.52	0.6499	0.0530	0.0825	0.0038	0.0571	0.0042	0.4347	511.0	22.8	496.9	162.1	511.0	22.8	-2.8
1357_010_Zrn_a_01_3	1383.71	142.11	9.74	0.7143	0.0383	0.0846	0.0033	0.0613	0.0029	0.4583	523.4	19.4	648.1	102.6	523.4	19.4	23.8
1357_010_Zrn_a_01_60	1436.80	978.62	1.47	0.7060	0.0322	0.0867	0.0027	0.0591	0.0025	0.3323	536.0	15.8	569.5	93.7	536.0	15.8	6.3
1357_010_Zrn_a_01_10	348.77	828.87	0.42	0.6884	0.0590	0.0872	0.0042	0.0572	0.0045	0.3921	539.0	25.2	501.1	174.4	539.0	25.2	-7.0
1357_010_Zrn_a_01_24	261.34	415.98	0.63	0.7264	0.0471	0.0882	0.0036	0.0597	0.0037	0.3452	544.7	21.1	594.5	133.2	544.7	21.1	9.1
1357_010_Zrn_a_01_84	1192.32	1446.28	0.82	0.7075	0.0437	0.0883	0.0036	0.0581	0.0033	0.4088	545.5	21.6	534.0	124.6	545.5	21.6	-2.1
1357_010_Zrn_a_01_76	420.99	344.94	1.22	0.7138	0.0408	0.0885	0.0030	0.0585	0.0032	0.3246	546.7	17.8	548.4	118.3	546.7	17.8	0.3
1357_010_Zrn_a_01_4	154.66	112.91	1.37	0.7479	0.0652	0.0895	0.0042	0.0606	0.0050	0.3587	552.3	24.9	626.4	176.2	552.3	24.9	13.4
1357_010_Zrn_a_01_103	268.64	159.05	1.69	0.7175	0.0482	0.0900	0.0034	0.0578	0.0037	0.2815	555.7	20.0	522.0	142.4	555.7	20.0	-6.1
1357_010_Zrn_a_01_19	202.45	159.46	1.27	0.7641	0.0543	0.0914	0.0032	0.0606	0.0042	0.2606	564.0	19.2	625.5	148.2	564.0	19.2	10.9
1357_010_Zrn_a_01_57	105.47	47.85	2.20	0.7885	0.0775	0.0932	0.0041	0.0614	0.0059	0.2569	574.4	24.3	651.9	205.6	574.4	24.3	13.5
1357_010_Zrn_a_01_34	727.18	1154.08	0.63	0.7773	0.0435	0.0954	0.0037	0.0591	0.0028	0.5498	587.3	22.1	570.7	101.8	587.3	22.1	-2.8
1357_010_Zrn_a_01_56	527.27	512.70	1.03	0.7723	0.0399	0.0956	0.0032	0.0586	0.0028	0.3919	588.7	18.8	551.4	103.8	588.7	18.8	-6.3
1357_010_Zrn_a_01_77	226.96	351.32	0.65	0.8178	0.0676	0.0962	0.0040	0.0616	0.0049	0.3150	592.2	23.5	661.8	169.0	592.2	23.5	11.8
1357_010_Zrn_a_01_42	239.73	249.36	0.96	0.8611	0.1191	0.0962	0.0087	0.0649	0.0075	0.5566	592.3	51.1	770.9	243.2	592.3	51.1	30.1
1357_010_Zrn_a_01_120	687.52	75.00	9.17	0.9121	0.0562	0.1013	0.0041	0.0653	0.0037	0.4122	622.3	23.7	783.3	118.3	622.3	23.7	25.9
1357_010_Zrn_a_01_105	844.64	73.98	11.42	0.8555	0.0557	0.1028	0.0048	0.0604	0.0035	0.4759	630.8	27.8	616.6	124.6	630.8	27.8	-2.3
1357_010_Zrn_a_01_48	389.68	220.44	1.77	0.8816	0.0519	0.1033	0.0042	0.0619	0.0033	0.4183	633.6	24.5	671.2	115.5	633.6	24.5	5.9
1357_010_Zrn_a_01_33	482.37	270.67	1.78	0.8482	0.0537	0.1033	0.0045	0.0596	0.0031	0.5521	633.6	26.4	587.7	114.5	633.6	26.4	-7.2
1357_010_Zrn_a_01_27	539.29	368.63	1.46	0.9100	0.0456	0.1046	0.0038	0.0631	0.0028	0.4555	641.5	22.0	710.7	94.8	641.5	22.0	10.8
1357_010_Zrn_a_01_26	252.33	90.55	2.79	0.9407	0.0708	0.1067	0.0039	0.0639	0.0047	0.2638	653.7	22.7	739.2	154.2	653.7	22.7	13.1
1357_010_Zrn_a_01_83	226.11	179.43	1.26	0.9203	0.0496	0.1094	0.0039	0.0610	0.0032	0.2937	669.4	22.4	639.2	112.4	669.4	22.4	-4.5
1357_010_Zrn_a_01_67	744.99	509.68	1.46	0.9214	0.0461	0.1107	0.0034	0.0604	0.0029	0.3196	676.9	19.8	616.6	102.5	676.9	19.8	-8.9
1357_010_Zrn_a_01_28	342.22	117.54	2.91	1.3920	0.1140	0.1445	0.0063	0.0699	0.0054	0.3556	869.9	35.3	924.9	157.7	869.9	35.3	6.3
1357_010_Zrn_a_01_68	241.35	58.40	4.13	1.4227	0.0920	0.1446	0.0056	0.0713	0.0043	0.3899	870.8	31.5	967.3	121.8	870.8	31.5	11.1
1357_010_Zrn_a_01_46	526.93	76.38	6.90	1.4962	0.0765	0.1568	0.0063	0.0692	0.0032	0.4738	938.8	35.1	905.3	93.9	938.8	31.1	-3.6
1357_010_Zrn_a_01_75	445.39	95.53	4.66	1.4845	0.0720	0.1552	0.0053	0.0694	0.0033	0.2998	930.3	29.6	909.4	96.6	930.3	29.6	-2.2
1357_010_Zrn_a_01_106	399.17	240.46	1.66	1.5730	0.0921	0.1568	0.0057	0.0728	0.0038	0.4296	939.0	31.8	1007.2	107.3	939.0	31.8	7.3
1357_010_Zrn_a_01_93	592.53	210.32	2.82	1.5350	0.0799	0.1585	0.0064	0.0702	0.0034	0.4290	948.7	35.6	934.8	98.3	948.7	35.6	-1.5
1357_010_Zrn_a_01_59	497.55	165.44	3.01	1.5552	0.0743	0.1617	0.0057	0.0698	0.0030	0.4320	966.1	31.8	921.5	89.1	966.1	31.8	-4.6
1357_010_Zrn_a_01_72	432.70	81.23	5.33	1.5773	0.0770	0.1626	0.0052	0.0703	0.0032	0.3814	971.4	28.7	938.4	92.6	971.4	28.7	-3.4

1357_010_Zrn_a_01_64	116.75	136.90	0.85	1.6270	0.1304	0.1644	0.0063	0.0718	0.0056	0.2651	981.0	34.7	980.0	158.3	981.0	34.7	-0.1
1357_010_Zrn_a_01_43	1536.85	634.23	2.42	1.6613	0.1247	0.1585	0.0098	0.0760	0.0047	0.5849	948.4	54.4	1095.6	124.3	948.4	54.4	15.5
1357_010_Zrn_a_01_81	328.05	135.53	2.42	1.5932	0.0859	0.1674	0.0061	0.0690	0.0034	0.4163	997.8	33.9	899.5	101.4	997.8	33.9	-9.9
1357_010_Zrn_a_01_107	110.18	44.86	2.46	1.6824	0.1251	0.1676	0.0092	0.0728	0.0051	0.4032	999.1	50.9	1008.1	143.0	999.1	50.9	0.9
1357_010_Zrn_a_01_52	163.19	46.43	3.51	1.8058	0.1524	0.1705	0.0099	0.0768	0.0060	0.4316	1014.7	54.8	1116.7	155.8	1116.7	155.8	10.1
1357_010_Zrn_a_01_20	347.63	258.94	1.34	1.8397	0.0907	0.1786	0.0061	0.0747	0.0035	0.3471	1059.6	33.5	1060.1	93.5	1060.1	93.5	0.1
1357_010_Zrn_a_01_86	310.81	173.90	1.79	1.8433	0.1042	0.1812	0.0066	0.0738	0.0037	0.4424	1073.4	35.9	1035.6	102.4	1035.6	102.4	-3.5
1357_010_Zrn_a_01_41	83.60	69.20	1.21	2.0002	0.1741	0.1839	0.0099	0.0789	0.0060	0.4794	1088.1	54.2	1169.5	151.8	1169.5	151.8	7.5
1357_010_Zrn_a_01_117	55.16	38.04	1.45	2.0070	0.1729	0.1878	0.0092	0.0775	0.0062	0.3787	1109.4	49.7	1134.5	159.8	1134.5	159.8	2.3
1357_010_Zrn_a_01_92	133.53	63.79	2.09	2.0021	0.1265	0.1912	0.0078	0.0759	0.0044	0.3967	1127.8	42.5	1093.7	116.9	1093.7	116.9	-3.0
1357_010_Zrn_a_01_35	333.90	96.71	3.45	2.1193	0.1335	0.1953	0.0102	0.0787	0.0039	0.6358	1150.3	55.1	1164.2	97.0	1164.2	97.0	1.2
1357_010_Zrn_a_01_71	313.29	88.45	3.54	2.1341	0.1191	0.1893	0.0070	0.0818	0.0041	0.4400	1117.5	38.1	1240.1	98.3	1240.1	98.3	11.0
1357_010_Zrn_a_01_37	396.92	154.00	2.58	2.1643	0.1124	0.1999	0.0084	0.0785	0.0033	0.5972	1174.7	45.2	1160.3	82.7	1160.3	82.7	-1.2
1357_010_Zrn_a_01_104	80.12	30.32	2.64	2.1910	0.1550	0.1992	0.0087	0.0798	0.0053	0.3526	1171.3	46.5	1190.9	132.3	1190.9	132.3	1.7
1357_010_Zrn_a_01_14	338.08	82.16	4.11	2.2529	0.1466	0.2018	0.0115	0.0810	0.0038	0.7026	1184.7	61.9	1221.1	91.5	1221.1	91.5	3.1
1357_010_Zrn_a_01_63	259.75	109.11	2.38	2.2707	0.1224	0.2021	0.0078	0.0815	0.0041	0.3830	1186.3	41.9	1233.7	99.1	1233.7	99.1	4.0
1357_010_Zrn_a_01_11	620.60	186.51	3.33	2.3651	0.1251	0.2135	0.0072	0.0804	0.0039	0.3920	1247.3	38.2	1205.7	95.9	1205.7	95.9	-3.3
1357_010_Zrn_a_01_5	86.61	71.72	1.21	2.6788	0.2066	0.2299	0.0140	0.0845	0.0051	0.6332	1334.0	73.5	1304.3	116.5	1304.3	116.5	-2.2
1357_010_Zrn_a_01_25	702.09	441.76	1.59	2.6965	0.1379	0.2241	0.0082	0.0873	0.0038	0.5396	1303.7	43.0	1366.0	83.2	1366.0	83.2	4.8
1357_010_Zrn_a_01_22	744.51	284.32	2.62	2.7432	0.1211	0.2272	0.0081	0.0876	0.0035	0.4439	1320.0	42.7	1372.7	76.5	1372.7	76.5	4.0
1357_010_Zrn_a_01_82	128.46	62.31	2.06	2.7546	0.1641	0.2264	0.0093	0.0882	0.0045	0.5045	1315.7	49.0	1387.6	98.9	1387.6	98.9	5.5
1357_010_Zrn_a_01_8	140.69	79.39	1.77	2.7803	0.1642	0.2333	0.0093	0.0864	0.0049	0.3253	1351.5	48.5	1348.3	109.7	1348.3	109.7	-0.2
1357_010_Zrn_a_01_85	637.70	221.06	2.88	2.8603	0.1474	0.2372	0.0106	0.0875	0.0042	0.4439	1371.9	55.2	1371.0	92.8	1371.0	92.8	-0.1
1357_010_Zrn_a_01_50	531.45	279.19	1.90	2.9399	0.1423	0.2416	0.0091	0.0883	0.0040	0.4088	1395.0	47.0	1388.1	86.1	1388.1	86.1	-0.5
1357_010_Zrn_a_01_74	179.02	91.20	1.96	2.9639	0.1841	0.2388	0.0104	0.0900	0.0050	0.4533	1380.6	54.0	1425.7	106.7	1425.7	106.7	3.3
1357_010_Zrn_a_01_36	391.87	129.63	3.02	3.0476	0.1580	0.2473	0.0103	0.0894	0.0038	0.5883	1424.6	53.3	1412.2	80.3	1412.2	80.3	-0.9
1357_010_Zrn_a_01_7	127.59	47.56	2.68	3.0934	0.1865	0.2505	0.0102	0.0895	0.0047	0.4971	1441.3	52.6	1415.9	100.1	1415.9	100.1	-1.8
1357_010_Zrn_a_01_39	160.42	98.04	1.64	3.1741	0.1829	0.2522	0.0111	0.0913	0.0046	0.5001	1449.9	56.9	1452.3	95.8	1452.3	95.8	0.2
1357_010_Zrn_a_01_116	134.82	120.55	1.12	3.3996	0.2219	0.2609	0.0127	0.0945	0.0054	0.5108	1494.6	65.2	1518.0	106.9	1518.0	106.9	1.6
1357_010_Zrn_a_01_73	547.09	277.56	1.97	3.4644	0.1623	0.2710	0.0086	0.0927	0.0039	0.4556	1545.7	43.7	1482.3	79.2	1482.3	79.2	-4.1
1357_010_Zrn_a_01_101	417.51	163.75	2.55	3.4716	0.1813	0.2692	0.0095	0.0935	0.0043	0.4628	1536.7	48.1	1498.8	87.6	1498.8	87.6	-2.5
1357_010_Zrn_a_01_30	168.63	155.32	1.09	3.5340	0.1862	0.2678	0.0113	0.0957	0.0042	0.5526	1529.4	57.4	1542.4	82.9	1542.4	82.9	0.9
1357_010_Zrn_a_01_44	757.53	393.10	1.93	3.5712	0.1936	0.2710	0.0114	0.0956	0.0043	0.5700	1545.9	57.9	1539.4	83.9	1539.4	83.9	-0.4
1357_010_Zrn_a_01_70	179.02	115.76	1.55	3.5813	0.2685	0.2742	0.0156	0.0947	0.0061	0.5271	1562.1	79.1	1522.7	122.4	1522.7	122.4	-2.5
1357_010_Zrn_a_01_55	738.01	368.27	2.00	3.8471	0.1764	0.2764	0.0101	0.1010	0.0041	0.4730	1573.0	51.1	1641.8	75.6	1641.8	75.6	4.4
1357_010_Zrn_a_01_98	1124.42	550.94	2.04	4.0697	0.1875	0.2782	0.0096	0.1061	0.0045	0.3919	1582.4	48.3	1733.3	78.1	1733.3	78.1	9.5
1357_010_Zrn_a_01_65	56.30	26.64	2.11	4.1263	0.2427	0.2949	0.0130	0.1015	0.0058	0.3586	1666.1	64.9	1651.2	105.5	1651.2	105.5	-0.9
1357_010_Zrn_a_01_96	439.98	403.69	1.09	4.2022	0.2194	0.3025	0.0124	0.1007	0.0044	0.5413	1703.8	61.6	1637.8	81.8	1637.8	81.8	-3.9
1357_010_Zrn_a_01_54	142.24	87.95	1.62	4.3190	0.2382	0.3088	0.0130	0.1014	0.0047	0.5452	1734.7	64.1	1650.8	86.0	1650.8	86.0	-4.8
1357_010_Zrn_a_01_89	222.18	70.65	3.14	4.5219	0.2153	0.3064	0.0101	0.1070	0.0046	0.4248	1723.0	50.1	1749.5	78.9	1749.5	78.9	1.5
1357_010_Zrn_a_01_112	322.00	246.17	1.31	4.5728	0.2391	0.3101	0.0113	0.1070	0.0050	0.4438	1741.1	55.5	1748.2	85.9	1748.2	85.9	0.4
1357_010_Zrn_a_01_88	324.33	70.73	4.59	4.7718	0.2304	0.3165	0.0105	0.1094	0.0047	0.4440	1772.6	51.4	1788.6	78.8	1788.6	78.8	0.9
1357_010_Zrn_a_01_78	91.07	52.63	1.73	4.8178	0.2616	0.3258	0.0122	0.1072	0.0057	0.2965	1818.0	59.3	1753.2	97.4	1753.2	97.4	-3.6
1357_010_Zrn_a_01_23	195.15	123.98	1.57	5.0336	0.2331	0.3291	0.0114	0.1109	0.0049	0.3374	1833.9	55.4	1814.9	80.1	1814.9	80.1	-1.0
1357_010_Zrn_a_01_40	113.50	57.33	1.98	5.7593	0.3400	0.3514	0.0147	0.1189	0.0064	0.4414	1941.1	70.0	1939.4	95.6	1939.4	95.6	-0.1
1357_010_Zrn_a_01_62	30.82	26.90	1.15	10.3360	0.7598	0.4759	0.0254	0.1575	0.0096	0.5689	2509.2	111.0	2429.3	102.9	2429.3	102.9	-3.2
1357_010_Zrn_a_01_90	30.18	34.31	0.88	12.8859	0.9304	0.5257	0.0262	0.1778	0.0111	0.5089	2723.1	110.5	2632.4	103.8	2632.4	103.8	-3.3

1357_010_Zrn_a_01_113	59.22	30.27	1.96	16.2486	0.8940	0.5818	0.0248	0.2026	0.0094	0.5363	2956.1	100.9	2846.9	75.9	2846.9	75.9	-3.7
1357_010_Zrn_a_01_58	117.47	60.44	1.94	20.7749	1.1317	0.6233	0.0265	0.2417	0.0105	0.6016	3123.0	105.2	3131.5	69.2	3131.5	69.2	0.3

Sample 12AP33 Formation C  
Coordinates N75° 22' 59.4"  
E135° 30' 56.1"

Analysis Name	[U] (ppm)	[Th] (ppm)	U/Th	207Pb/235U	2 sigma	206Pb/238U	2 sigma	207Pb/206Pb	2 sigma	Error Correlation	206Pb/238U	2 sigma	207Pb/206Pb	2 sigma	Preferred Age	2 sigma	Discordance
1357_011_Zrn_a_01_2	523.27	136.52	3.83	0.3795	0.0237	0.0526	0.0018	0.0523	0.0031	0.3305	330.4	10.8	300.2	134.5	330.4	10.8	-9.2
1357_011_Zrn_a_01_3	175.72	172.14	1.02	0.3619	0.0395	0.0493	0.0028	0.0533	0.0060	0.1549	310.0	17.2	340.5	256.4	310.0	17.2	9.8
1357_011_Zrn_a_01_4	447.47	805.80	0.56	1.2289	0.0683	0.1298	0.0045	0.0687	0.0036	0.3602	786.7	25.5	888.7	107.2	786.7	25.5	13.0
1357_011_Zrn_a_01_6	585.36	508.58	1.15	0.3815	0.0290	0.0504	0.0018	0.0549	0.0039	0.3597	317.2	11.3	406.1	159.0	317.2	11.3	28.0
1357_011_Zrn_a_01_12	1323.86	953.04	1.39	0.3392	0.0196	0.0465	0.0021	0.0529	0.0025	0.5774	292.8	12.7	326.3	107.4	292.8	12.7	11.4
1357_011_Zrn_a_01_14	692.92	504.36	1.37	0.3283	0.0251	0.0447	0.0016	0.0533	0.0039	0.3216	281.9	9.9	340.3	164.4	281.9	9.9	20.7
1357_011_Zrn_a_01_15	726.41	586.26	1.24	0.3436	0.0317	0.0465	0.0017	0.0535	0.0049	0.1838	293.2	10.7	352.1	206.1	293.2	10.7	20.1
1357_011_Zrn_a_01_17	248.08	167.33	1.48	0.5184	0.0363	0.0662	0.0026	0.0568	0.0038	0.3045	413.0	15.8	484.5	148.0	413.0	15.8	17.3
1357_011_Zrn_a_01_19	34.99	21.27	1.64	0.5915	0.1177	0.0753	0.0064	0.0570	0.0112	0.2383	468.2	38.5	489.9	435.0	468.2	38.5	4.6
1357_011_Zrn_a_01_22	350.37	360.50	0.97	0.3605	0.0263	0.0487	0.0023	0.0537	0.0036	0.4293	306.2	14.1	360.1	149.9	306.2	14.1	17.6
1357_011_Zrn_a_01_24	389.74	657.25	0.59	0.3171	0.0341	0.0433	0.0029	0.0531	0.0051	0.4591	273.3	17.7	333.2	218.1	273.3	17.7	21.9
1357_011_Zrn_a_01_25	161.30	113.91	1.42	0.3582	0.0576	0.0494	0.0037	0.0526	0.0085	0.2098	310.8	22.5	311.8	368.4	310.8	22.5	0.3
1357_011_Zrn_a_01_27	202.31	177.92	1.14	0.4824	0.0507	0.0630	0.0029	0.0555	0.0056	0.2775	394.1	17.5	432.4	225.9	394.1	17.5	9.7
1357_011_Zrn_a_01_31	244.21	139.20	1.75	0.3380	0.0314	0.0463	0.0025	0.0529	0.0045	0.4210	291.9	15.6	325.3	192.5	291.9	15.6	11.4
1357_011_Zrn_a_01_32	124.52	69.80	1.78	0.4275	0.0437	0.0570	0.0035	0.0544	0.0049	0.4704	357.6	21.6	385.6	203.6	357.6	21.6	7.8
1357_011_Zrn_a_01_33	188.60	112.47	1.68	0.3550	0.0290	0.0484	0.0024	0.0532	0.0042	0.3419	304.7	15.0	337.3	176.9	304.7	15.0	10.7
1357_011_Zrn_a_01_34	122.86	134.49	0.91	0.4589	0.0505	0.0609	0.0032	0.0547	0.0061	0.1803	380.9	19.1	399.4	248.9	380.9	19.1	4.9
1357_011_Zrn_a_01_35	263.93	196.77	1.34	0.4931	0.0362	0.0641	0.0028	0.0558	0.0038	0.4004	400.6	16.8	443.8	149.7	400.6	16.8	10.8
1357_011_Zrn_a_01_36	312.89	230.27	1.36	0.3727	0.0294	0.0496	0.0025	0.0545	0.0040	0.4038	311.9	15.5	392.3	163.8	311.9	15.5	25.8
1357_011_Zrn_a_01_37	892.05	881.04	1.01	0.3518	0.0261	0.0481	0.0022	0.0531	0.0034	0.5015	302.6	13.7	332.6	145.3	302.6	13.7	9.9
1357_011_Zrn_a_01_38	797.23	442.05	1.80	0.3513	0.0194	0.0487	0.0020	0.0524	0.0028	0.3610	306.3	12.4	301.1	120.4	306.3	12.4	-1.7
1357_011_Zrn_a_01_40	361.15	93.57	3.86	0.5489	0.0466	0.0704	0.0039	0.0565	0.0045	0.3952	438.8	23.4	472.6	175.7	438.8	23.4	7.7
1357_011_Zrn_a_01_43	187.18	140.44	1.33	0.3227	0.0320	0.0448	0.0029	0.0523	0.0049	0.3923	282.2	18.0	298.8	213.6	282.2	18.0	5.9
1357_011_Zrn_a_01_45	252.70	67.55	3.74	1.2578	0.0763	0.1318	0.0055	0.0692	0.0037	0.4672	798.3	31.1	904.6	110.7	798.3	31.1	13.3
1357_011_Zrn_a_01_46	233.82	148.97	1.57	0.5945	0.0471	0.0725	0.0035	0.0595	0.0043	0.4131	451.0	21.3	585.5	157.6	451.0	21.3	29.8
1357_011_Zrn_a_01_47	442.14	375.07	1.18	0.3853	0.0253	0.0524	0.0020	0.0533	0.0032	0.3779	329.5	12.5	341.5	137.8	329.5	12.5	3.7
1357_011_Zrn_a_01_49	433.45	325.04	1.33	0.3185	0.0266	0.0452	0.0018	0.0511	0.0042	0.2440	285.0	11.3	245.5	187.9	285.0	11.3	-13.9
1357_011_Zrn_a_01_51	97.42	52.18	1.87	0.6237	0.0555	0.0808	0.0034	0.0560	0.0049	0.2348	500.6	20.3	453.0	193.8	500.6	20.3	-9.5
1357_011_Zrn_a_01_54	730.06	249.23	2.93	0.6429	0.0537	0.0776	0.0045	0.0601	0.0042	0.5602	482.0	27.1	605.5	150.0	482.0	27.1	25.6
1357_011_Zrn_a_01_56	411.77	185.17	2.22	0.3494	0.0294	0.0475	0.0025	0.0533	0.0039	0.4966	299.4	15.1	342.4	165.3	299.4	15.1	14.4
1357_011_Zrn_a_01_57	71.93	76.67	0.94	1.2442	0.1292	0.1262	0.0068	0.0715	0.0073	0.2621	765.9	39.1	972.4	208.0	765.9	39.1	27.0
1357_011_Zrn_a_01_58	268.50	136.13	1.97	0.4762	0.0372	0.0618	0.0029	0.0559	0.0042	0.3295	386.7	17.5	447.2	166.0	386.7	17.5	15.7
1357_011_Zrn_a_01_60	83.05	64.79	1.28	1.4157	0.1415	0.1461	0.0080	0.0703	0.0065	0.3896	878.8	45.1	937.2	189.7	878.8	45.1	6.6
1357_011_Zrn_a_01_63	103.44	76.19	1.36	0.7152	0.0678	0.0895	0.0058	0.0579	0.0048	0.4878	552.8	34.3	527.0	183.5	552.8	34.3	-4.7
1357_011_Zrn_a_01_66	375.22	301.09	1.25	0.5251	0.0392	0.0687	0.0042	0.0555	0.0035	0.5662	428.0	25.4	431.1	139.8	428.0	25.4	0.7
1357_011_Zrn_a_01_67	83.37	35.57	2.34	0.4206	0.0490	0.0548	0.0025	0.0557	0.0062	0.3044	343.7	15.5	440.7	247.2	343.7	15.5	28.2
1357_011_Zrn_a_01_71	100.15	107.92	0.93	1.1548	0.0890	0.1290	0.0056	0.0649	0.0047	0.3506	781.9	31.8	772.4	152.5	781.9	31.8	-1.2
1357_011_Zrn_a_01_72	233.51	214.29	1.09	0.3297	0.0393	0.0445	0.0026	0.0537	0.0061	0.3147	280.9	16.0	358.0	258.0	280.9	16.0	27.5
1357_011_Zrn_a_01_73	362.47	240.21	1.51	0.3324	0.0293	0.0452	0.0024	0.0534	0.0048	0.2220	284.9	14.6	343.9	202.9	284.9	14.6	20.7
1357_011_Zrn_a_01_78	622.27	727.54	0.86	0.3329	0.0246	0.0467	0.0024	0.0517	0.0033	0.4992	294.4	14.7	271.3	147.4	294.4	14.7	-7.8

1357_011_Zrn_a_01_80	647.07	386.24	1.68	0.4410	0.0312	0.0577	0.0023	0.0554	0.0036	0.4093	361.8	14.1	428.7	143.9	361.8	14.1	18.5
1357_011_Zrn_a_01_82	740.23	463.52	1.60	0.6377	0.0383	0.0788	0.0037	0.0587	0.0029	0.5630	488.7	22.4	556.8	108.8	488.7	22.4	13.9
1357_011_Zrn_a_01_84	555.66	331.25	1.68	0.3198	0.0229	0.0437	0.0020	0.0531	0.0037	0.2932	275.8	12.3	331.1	159.3	275.8	12.3	20.0
1357_011_Zrn_a_01_85	65.98	45.99	1.43	0.3482	0.0494	0.0473	0.0034	0.0534	0.0076	0.2461	298.0	21.2	344.9	321.0	298.0	21.2	15.7
1357_011_Zrn_a_01_87	542.63	651.11	0.83	0.3531	0.0239	0.0486	0.0024	0.0527	0.0031	0.5225	305.7	14.5	317.9	131.7	305.7	14.5	4.0
1357_011_Zrn_a_01_89	1232.04	52.42	23.50	0.5830	0.0285	0.0750	0.0028	0.0564	0.0025	0.4543	466.1	16.7	467.6	96.6	466.1	16.7	0.3
1357_011_Zrn_a_01_90	231.35	120.17	1.93	0.5811	0.0458	0.0757	0.0030	0.0557	0.0043	0.2568	470.1	18.1	440.9	170.8	470.1	18.1	-6.2
1357_011_Zrn_a_01_91	289.80	286.91	1.01	0.3192	0.0357	0.0442	0.0018	0.0524	0.0059	0.1379	278.6	11.3	303.4	256.1	278.6	11.3	8.9
1357_011_Zrn_a_01_92	182.26	96.88	1.88	0.6037	0.0498	0.0765	0.0032	0.0572	0.0045	0.3109	475.2	19.5	500.5	173.8	475.2	19.5	5.3
1357_011_Zrn_a_01_97	107.64	182.26	0.59	0.3476	0.0393	0.0475	0.0028	0.0531	0.0058	0.2981	298.9	17.4	333.5	249.6	298.9	17.4	11.6
1357_011_Zrn_a_01_98	283.07	200.40	1.41	0.3676	0.0330	0.0493	0.0032	0.0541	0.0043	0.4996	310.0	19.4	375.9	177.9	310.0	19.4	21.3
1357_011_Zrn_a_01_99	1078.91	160.93	6.70	0.3257	0.0173	0.0452	0.0017	0.0523	0.0027	0.3424	284.8	10.5	298.0	116.2	284.8	10.5	4.6
1357_011_Zrn_a_01_100	518.08	297.76	1.74	0.3533	0.0598	0.0483	0.0035	0.0531	0.0090	0.2084	303.9	21.5	332.3	384.5	303.9	21.5	9.3
1357_011_Zrn_a_01_101	238.94	123.73	1.93	0.6429	0.0545	0.0794	0.0038	0.0587	0.0048	0.3342	492.7	22.9	556.5	176.7	492.7	22.9	13.0
1357_011_Zrn_a_01_106	71.62	69.51	1.03	0.3613	0.0733	0.0494	0.0024	0.0530	0.0107	0.1075	311.1	14.8	328.9	462.9	311.1	14.8	5.7
1357_011_Zrn_a_01_109	404.16	392.93	1.03	0.6696	0.0380	0.0843	0.0030	0.0576	0.0031	0.3710	521.7	17.7	515.2	116.5	521.7	17.7	-1.2
1357_011_Zrn_a_01_115	176.73	241.17	0.73	0.3424	0.0269	0.0476	0.0018	0.0522	0.0040	0.2724	299.5	11.4	295.1	174.4	299.5	11.4	-1.5
1357_011_Zrn_a_01_116	601.85	206.03	2.92	0.6117	0.0391	0.0775	0.0025	0.0573	0.0035	0.2708	481.1	15.2	501.7	136.2	481.1	15.2	4.3
1357_011_Zrn_a_01_118	227.14	103.56	2.19	0.4313	0.0420	0.0573	0.0023	0.0546	0.0053	0.1893	358.9	14.2	397.3	217.3	358.9	14.2	10.7
1357_011_Zrn_a_01_119	1040.30	155.06	6.71	0.6135	0.0295	0.0781	0.0023	0.0570	0.0027	0.2761	484.5	14.0	491.7	102.9	484.5	14.0	1.5
1357_011_Zrn_a_01_120	378.49	282.19	1.34	0.9279	0.0447	0.1071	0.0032	0.0628	0.0030	0.2383	655.8	18.6	703.1	101.1	655.8	18.6	7.2
1357_011_Zrn_a_01_9	89.52	41.72	2.15	1.9405	0.2304	0.1707	0.0152	0.0824	0.0088	0.4936	1015.9	83.8	1256.2	208.5	1256.2	152.7	23.6
1357_011_Zrn_a_01_20	516.42	71.97	7.18	1.5596	0.0768	0.1574	0.0056	0.0719	0.0029	0.5815	942.1	31.0	982.6	82.6	942.1	47.6	4.3
1357_011_Zrn_a_01_41	55.72	48.41	1.15	11.1628	0.6778	0.4896	0.0240	0.1654	0.0076	0.6585	2569.0	104.1	2511.2	76.8	2511.2	138.4	-2.3
1357_011_Zrn_a_01_42	424.70	239.92	1.77	5.2917	0.2824	0.3311	0.0149	0.1159	0.0053	0.5250	1843.7	72.0	1894.2	82.7	1894.2	85.3	2.7
1357_011_Zrn_a_01_50	1176.84	1766.35	0.67	4.2168	0.1966	0.2946	0.0104	0.1038	0.0039	0.6317	1664.2	51.8	1693.7	68.7	1693.7	51.7	1.8
1357_011_Zrn_a_01_52	277.67	152.32	1.82	2.4260	0.1276	0.2110	0.0084	0.0834	0.0037	0.5285	1234.0	44.8	1278.5	87.1	1278.5	52.6	3.6
1357_011_Zrn_a_01_53	121.78	95.90	1.27	4.9272	0.2728	0.3226	0.0125	0.1108	0.0055	0.4412	1802.4	60.8	1812.1	90.3	1812.1	76.6	0.5
1357_011_Zrn_a_01_68	57.57	77.95	0.74	1.7156	0.1180	0.1685	0.0089	0.0738	0.0045	0.5032	1003.8	48.9	1037.3	121.9	1037.3	52.9	3.3
1357_011_Zrn_a_01_76	170.80	92.84	1.84	9.4629	0.5481	0.4318	0.0212	0.1589	0.0073	0.6098	2314.0	95.3	2444.3	78.1	2444.3	133.2	5.6
1357_011_Zrn_a_01_79	234.27	59.57	3.93	6.1763	0.5715	0.3294	0.0285	0.1360	0.0092	0.7035	1835.4	138.0	2176.8	118.2	2176.8	155.4	18.6
1357_011_Zrn_a_01_81	163.21	95.86	1.70	10.8169	0.5569	0.4589	0.0192	0.1710	0.0070	0.6014	2434.5	84.9	2567.2	68.8	2567.2	127.6	5.5
1357_011_Zrn_a_01_103	337.48	89.57	3.77	10.8116	0.4252	0.4549	0.0148	0.1724	0.0056	0.5633	2417.0	65.4	2580.9	54.4	2580.9	87.7	6.8
1357_011_Zrn_a_01_104	222.64	99.80	2.23	4.7581	0.2506	0.3079	0.0121	0.1121	0.0052	0.4886	1730.5	59.6	1833.2	83.7	1833.2	74.0	5.9
1357_011_Zrn_a_01_105	727.49	697.27	1.04	12.1810	0.5253	0.4979	0.0186	0.1774	0.0064	0.5518	2605.0	80.2	2628.9	60.2	2628.9	100.4	0.9
1357_011_Zrn_a_01_108	69.71	68.37	1.02	1.2674	0.1133	0.1352	0.0092	0.0680	0.0055	0.4923	817.2	52.3	868.8	166.5	817.2	60.5	6.3
1357_011_Zrn_a_01_111	906.21	269.25	3.37	10.9110	0.4732	0.4642	0.0166	0.1705	0.0071	0.3642	2458.0	73.2	2562.3	69.6	2562.3	88.7	4.2
1357_011_Zrn_a_01_112	367.25	238.25	1.54	15.0608	0.5674	0.5348	0.0170	0.2042	0.0064	0.5500	2761.6	71.3	2860.4	51.2	2860.4	93.5	3.6
1357_011_Zrn_a_01_113	878.15	96.74	9.08	12.0706	0.4916	0.4958	0.0180	0.1766	0.0055	0.6373	2595.5	77.7	2621.1	52.2	2621.1	93.3	1.0

Sample 8-v12-13 Formation A

Coordinates N75°24'51.5"

E135°59'06.3"

Analysis Name	[U] (ppm)	[Th] (ppm)	U/Th	207Pb/235U	2 sigma	206Pb/238U	2 sigma	207Pb/206Pb	2 sigma	Error Correlation	206Pb/238U	2 sigma	207Pb/206Pb	2 sigma	Preferred Age	2 sigma	Discordance
1357_009_Zrn_a_01_1	198.31	106.83	1.86	0.6022	0.0489	0.0761	0.0037	0.0574	0.0042	0.4443	472.7	22.3	507.0	160.4	472.7	22.3	7.3
1357_009_Zrn_a_01_3	320.99	264.39	1.21	0.8212	0.0498	0.0979	0.0047	0.0608	0.0032	0.4979	602.2	27.4	632.8	114.5	602.2	27.4	5.1
1357_009_Zrn_a_01_5	208.43	79.85	2.61	1.3187	0.0957	0.1316	0.0057	0.0727	0.0048	0.3994	796.7	32.5	1005.7	135.3	796.7	32.5	26.2
1357_009_Zrn_a_01_6	88.11	46.90	1.88	1.9040	0.1504	0.1780	0.0094	0.0776	0.0054	0.4778	1056.2	51.2	1135.8	138.8	1135.8	138.8	7.5

1357_009_Zrn_a_01_8	113.33	52.99	2.14	0.7865	0.0624	0.0960	0.0053	0.0594	0.0045	0.3573	591.1	31.1	582.0	166.3	591.1	31.1	-1.5
1357_009_Zrn_a_01_9	1240.31	1070.29	1.16	0.7045	0.0397	0.0863	0.0037	0.0592	0.0027	0.5842	533.5	22.1	575.1	99.6	533.5	22.1	7.8
1357_009_Zrn_a_01_12	193.89	170.36	1.14	0.7485	0.0607	0.0893	0.0041	0.0608	0.0046	0.3522	551.5	24.3	631.3	164.3	551.5	24.3	14.5
1357_009_Zrn_a_01_13	659.99	77.79	8.48	1.0545	0.1784	0.1134	0.0090	0.0674	0.0110	0.3039	692.6	52.2	851.0	339.9	692.6	52.2	22.9
1357_009_Zrn_a_01_19	70.68	54.99	1.29	0.8177	0.0860	0.0952	0.0061	0.0623	0.0069	0.1937	586.4	36.2	683.5	235.6	586.4	36.2	16.6
1357_009_Zrn_a_01_20	542.69	263.85	2.06	0.4667	0.0325	0.0626	0.0026	0.0541	0.0035	0.3984	391.2	15.6	375.6	143.8	391.2	15.6	-4.0
1357_009_Zrn_a_01_21	71.43	62.94	1.13	1.9069	0.1541	0.1789	0.0080	0.0773	0.0058	0.3754	1061.2	43.9	1128.6	149.6	1128.6	98.5	6.3
1357_009_Zrn_a_01_22	427.18	97.26	4.39	0.5563	0.0386	0.0711	0.0034	0.0567	0.0037	0.4025	442.8	20.2	481.7	142.4	442.8	20.2	8.8
1357_009_Zrn_a_01_25	185.59	216.68	0.86	0.8963	0.0592	0.1054	0.0045	0.0616	0.0038	0.3633	646.3	26.3	661.8	133.0	646.3	26.3	2.4
1357_009_Zrn_a_01_26	308.91	769.07	0.40	0.6558	0.0389	0.0834	0.0034	0.0570	0.0032	0.3748	516.3	20.1	493.3	122.1	516.3	20.1	-4.5
1357_009_Zrn_a_01_27	1111.37	652.47	1.70	0.7034	0.0300	0.0875	0.0030	0.0583	0.0022	0.4747	540.9	17.7	540.5	82.1	540.9	17.7	-0.1
1357_009_Zrn_a_01_29	982.33	1067.68	0.92	0.5351	0.0253	0.0680	0.0024	0.0570	0.0026	0.3437	424.3	14.6	493.4	98.8	424.3	14.6	16.3
1357_009_Zrn_a_01_31	727.30	453.48	1.60	0.5536	0.0267	0.0720	0.0026	0.0558	0.0025	0.4042	448.2	15.7	442.8	98.4	448.2	15.7	-1.2
1357_009_Zrn_a_01_32	300.51	209.67	1.43	0.5934	0.0473	0.0770	0.0035	0.0559	0.0041	0.3780	478.3	21.1	447.4	164.5	478.3	21.1	-6.5
1357_009_Zrn_a_01_37	197.80	126.21	1.57	0.5101	0.0442	0.0658	0.0025	0.0562	0.0047	0.2555	410.9	15.3	460.6	186.0	410.9	15.3	12.1
1357_009_Zrn_a_01_40	717.96	1176.77	0.61	0.5311	0.0338	0.0678	0.0023	0.0568	0.0035	0.3008	422.8	13.8	484.9	134.1	422.8	13.8	14.7
1357_009_Zrn_a_01_44	95.62	68.03	1.41	1.8643	0.1246	0.1788	0.0068	0.0756	0.0047	0.3524	1060.4	37.2	1085.1	125.5	1085.1	125.5	2.3
1357_009_Zrn_a_01_46	333.46	132.47	2.52	0.7822	0.0572	0.0938	0.0038	0.0605	0.0041	0.3646	578.0	22.4	620.7	147.1	578.0	22.4	7.4
1357_009_Zrn_a_01_47	62.25	21.40	2.91	1.9650	0.1747	0.1813	0.0097	0.0786	0.0067	0.3357	1074.3	53.0	1161.7	169.1	1161.7	169.1	8.1
1357_009_Zrn_a_01_49	432.01	198.92	2.17	0.5204	0.0309	0.0689	0.0026	0.0548	0.0029	0.4284	429.6	15.7	402.6	120.3	429.6	15.7	-6.3
1357_009_Zrn_a_01_50	94.58	66.29	1.43	0.7653	0.0771	0.0941	0.0041	0.0590	0.0057	0.2785	579.5	24.4	567.2	211.4	579.5	24.4	-2.1
1357_009_Zrn_a_01_54	239.30	182.07	1.31	0.6413	0.0512	0.0782	0.0037	0.0595	0.0045	0.3595	485.4	22.0	584.6	162.8	485.4	22.0	20.4
1357_009_Zrn_a_01_64	454.12	518.70	0.88	0.7023	0.0502	0.0835	0.0038	0.0610	0.0044	0.2469	517.1	22.4	638.7	153.7	517.1	22.4	23.5
1357_009_Zrn_a_01_86	214.70	17.18	12.50	1.2558	0.2966	0.1288	0.0193	0.0707	0.0157	0.3779	781.1	110.0	948.8	458.7	781.1	110.0	21.5
1357_009_Zrn_a_01_93	651.46	226.90	2.87	0.8537	0.0508	0.1026	0.0045	0.0604	0.0030	0.5343	629.5	26.1	616.5	108.7	629.5	26.1	-2.1
1357_009_Zrn_a_01_94	111.51	110.09	1.01	0.6042	0.0516	0.0784	0.0042	0.0559	0.0050	0.1828	486.6	25.4	448.0	198.4	486.6	25.4	-7.9
1357_009_Zrn_a_01_98	178.95	56.67	3.16	1.5084	0.1039	0.1570	0.0072	0.0697	0.0041	0.5157	939.9	39.8	919.3	121.4	939.9	39.8	-2.2
1357_009_Zrn_a_01_102	271.52	158.81	1.71	0.5083	0.0363	0.0647	0.0027	0.0570	0.0039	0.2927	404.1	16.5	490.6	152.5	404.1	16.5	21.4
1357_009_Zrn_a_01_103	134.63	76.65	1.76	0.5982	0.0527	0.0748	0.0035	0.0580	0.0048	0.3616	465.0	20.7	529.7	180.3	465.0	20.7	13.9
1357_009_Zrn_a_01_107	347.69	392.03	0.89	0.6774	0.0543	0.0865	0.0036	0.0568	0.0044	0.2734	534.6	21.1	484.5	171.2	534.6	21.1	-9.4
1357_009_Zrn_a_01_109	237.85	190.00	1.25	0.8451	0.0516	0.1026	0.0045	0.0598	0.0032	0.5031	629.4	26.5	594.8	114.6	629.4	26.5	-5.5
1357_009_Zrn_a_01_111	157.44	75.43	2.09	1.6004	0.1001	0.1605	0.0068	0.0723	0.0041	0.4280	959.8	37.9	994.5	115.3	959.8	37.9	3.6
1357_009_Zrn_a_01_113	74.10	69.82	1.06	3.4480	0.3123	0.2629	0.0109	0.0951	0.0084	0.2406	1504.4	55.8	1530.8	166.6	1530.8	166.6	1.8
1357_009_Zrn_a_01_114	40.36	17.99	2.24	0.6217	0.1146	0.0774	0.0051	0.0582	0.0105	0.2279	480.8	30.5	538.3	396.3	480.8	30.5	11.9
1357_009_Zrn_a_01_116	907.78	1176.93	0.77	0.5179	0.0253	0.0690	0.0023	0.0545	0.0025	0.3835	429.9	13.9	390.6	101.4	429.9	13.9	-9.1
1357_009_Zrn_a_01_117	2739.80	1307.98	2.09	0.5382	0.0252	0.0687	0.0025	0.0568	0.0024	0.4070	428.6	14.9	483.2	94.6	428.6	14.9	12.7
1357_009_Zrn_a_01_118	545.59	232.82	2.34	0.5694	0.0332	0.0718	0.0029	0.0575	0.0031	0.3816	446.9	17.2	511.8	119.2	446.9	17.2	14.5
1357_009_Zrn_a_01_120	847.03	175.93	4.81	0.5056	0.0370	0.0654	0.0027	0.0561	0.0040	0.2903	408.3	16.3	455.9	157.0	408.3	16.3	11.7
1357_009_Zrn_a_01_14	1357.38	973.25	1.39	0.5480	0.0258	0.0691	0.0027	0.0575	0.0022	0.5747	430.6	16.5	512.3	84.6	430.6	16.5	19.0
1357_009_Zrn_a_01_24	1158.62	626.25	1.85	0.8489	0.0399	0.1034	0.0042	0.0595	0.0023	0.5755	634.4	24.3	586.6	83.5	634.4	24.3	-7.5
1357_009_Zrn_a_01_15	459.83	226.39	2.03	0.8810	0.0481	0.1054	0.0050	0.0606	0.0029	0.5335	646.0	29.2	625.8	101.5	646.0	29.2	-3.1
1357_009_Zrn_a_01_104	883.97	232.04	3.81	1.3415	0.0782	0.1370	0.0071	0.0710	0.0031	0.6679	827.7	40.0	957.7	88.9	827.7	40.0	15.7
1357_009_Zrn_a_01_78	177.98	116.60	1.53	1.4291	0.0882	0.1454	0.0068	0.0713	0.0038	0.5259	875.0	38.2	965.9	107.6	875.0	38.2	10.4
1357_009_Zrn_a_01_80	451.45	194.41	2.32	1.5069	0.0813	0.1559	0.0070	0.0701	0.0032	0.5378	934.0	39.1	931.4	94.0	934.0	39.1	-0.3
1357_009_Zrn_a_01_92	147.23	76.57	1.92	1.5213	0.1011	0.1606	0.0083	0.0687	0.0040	0.5093	960.3	46.2	889.4	119.8	960.3	46.2	-7.4
1357_009_Zrn_a_01_39	402.38	62.30	6.46	1.5935	0.0797	0.1657	0.0062	0.0697	0.0031	0.4442	988.4	34.1	920.8	92.2	988.4	34.1	-6.8
1357_009_Zrn_a_01_105	553.31	124.54	4.44	1.6016	0.0838	0.1640	0.0066	0.0708	0.0033	0.4553	979.0	36.3	952.4	95.6	979.0	36.3	-2.7

1357_009_Zrn_a_01_119	333.86	135.55	2.46	1.6376	0.0774	0.1658	0.0056	0.0716	0.0032	0.3592	989.1	30.9	975.1	89.9	989.1	30.9	-1.4
1357_009_Zrn_a_01_53	575.37	164.76	3.49	1.7959	0.0827	0.1750	0.0062	0.0744	0.0029	0.5606	1039.3	34.2	1053.6	77.4	1053.6	77.4	1.4
1357_009_Zrn_a_01_45	118.11	80.50	1.47	1.8668	0.1099	0.1781	0.0079	0.0760	0.0041	0.4363	1056.8	43.0	1095.1	107.5	1095.1	107.5	3.6
1357_009_Zrn_a_01_101	117.66	104.40	1.13	1.9078	0.1311	0.1769	0.0095	0.0782	0.0048	0.4883	1050.0	51.8	1152.5	121.5	1152.5	121.5	9.8
1357_009_Zrn_a_01_96	189.22	12.34	15.33	1.9478	0.1197	0.1862	0.0093	0.0759	0.0037	0.6134	1100.6	50.5	1092.0	97.4	1092.0	97.4	-0.8
1357_009_Zrn_a_01_69	407.81	130.83	3.12	1.9671	0.1017	0.1858	0.0079	0.0768	0.0032	0.5788	1098.4	42.9	1116.0	84.2	1116.0	84.2	1.6
1357_009_Zrn_a_01_106	191.99	97.98	1.96	2.0448	0.1484	0.1777	0.0105	0.0834	0.0057	0.4263	1054.5	57.4	1279.7	134.0	1279.7	134.0	21.4
1357_009_Zrn_a_01_16	137.45	55.70	2.47	2.0646	0.1460	0.1932	0.0093	0.0775	0.0048	0.4948	1138.7	50.4	1134.1	122.6	1134.1	122.6	-0.4
1357_009_Zrn_a_01_33	386.27	105.06	3.68	2.0742	0.1177	0.1911	0.0072	0.0787	0.0040	0.4442	1127.4	38.7	1165.1	100.7	1165.1	100.7	3.3
1357_009_Zrn_a_01_43	418.06	137.69	3.04	2.2429	0.1240	0.1948	0.0078	0.0835	0.0040	0.5113	1147.3	42.3	1281.1	92.6	1281.1	92.6	11.7
1357_009_Zrn_a_01_91	361.65	111.36	3.25	2.2498	0.1163	0.2017	0.0087	0.0809	0.0034	0.5763	1184.2	46.8	1219.4	83.2	1219.4	83.2	3.0
1357_009_Zrn_a_01_90	549.62	136.85	4.02	2.3296	0.1324	0.1926	0.0081	0.0877	0.0046	0.4049	1135.2	44.0	1376.9	101.0	1376.9	101.0	21.3
1357_009_Zrn_a_01_51	145.39	76.92	1.89	2.3432	0.1946	0.1972	0.0133	0.0862	0.0053	0.6701	1160.3	71.4	1342.1	119.6	1342.1	119.6	15.7
1357_009_Zrn_a_01_68	174.58	117.60	1.48	2.4354	0.1380	0.2111	0.0086	0.0837	0.0042	0.4785	1234.4	45.9	1285.4	97.0	1285.4	97.0	4.1
1357_009_Zrn_a_01_63	270.65	167.14	1.62	2.4504	0.1651	0.2082	0.0098	0.0854	0.0051	0.4777	1219.2	52.5	1323.7	115.1	1323.7	115.1	8.6
1357_009_Zrn_a_01_36	71.88	27.33	2.63	2.4535	0.2096	0.2122	0.0119	0.0839	0.0064	0.4536	1240.5	63.2	1289.4	149.4	1289.4	149.4	3.9
1357_009_Zrn_a_01_61	48.70	18.45	2.64	2.4734	0.2437	0.2188	0.0145	0.0820	0.0068	0.5390	1275.7	76.8	1244.9	163.3	1244.9	163.3	-2.4
1357_009_Zrn_a_01_87	439.49	315.75	1.39	2.5914	0.1465	0.2158	0.0108	0.0871	0.0045	0.4680	1259.7	57.2	1362.4	100.2	1362.4	100.2	8.2
1357_009_Zrn_a_01_35	341.70	95.04	3.60	2.6921	0.1187	0.2236	0.0078	0.0873	0.0034	0.4692	1301.1	40.8	1367.2	75.0	1367.2	75.0	5.1
1357_009_Zrn_a_01_56	530.35	256.60	2.07	2.7099	0.1485	0.2243	0.0105	0.0876	0.0038	0.6128	1304.7	55.2	1374.0	83.5	1374.0	83.5	5.3
1357_009_Zrn_a_01_57	211.00	44.35	4.76	2.7363	0.1385	0.2295	0.0088	0.0865	0.0037	0.5279	1331.6	46.0	1349.2	83.0	1349.2	83.0	1.3
1357_009_Zrn_a_01_62	843.42	455.87	1.85	3.0626	0.1355	0.2419	0.0088	0.0918	0.0035	0.5271	1396.4	45.8	1463.9	71.5	1463.9	71.5	4.8
1357_009_Zrn_a_01_34	588.61	72.73	8.09	3.0867	0.1563	0.2398	0.0103	0.0933	0.0038	0.6051	1385.9	53.8	1494.8	76.3	1494.8	76.3	7.9
1357_009_Zrn_a_01_73	65.76	53.49	1.23	3.1219	0.2114	0.2512	0.0132	0.0901	0.0054	0.4860	1444.8	67.8	1428.2	115.0	1428.2	115.0	-1.1
1357_009_Zrn_a_01_85	1449.38	826.85	1.75	3.1343	0.1784	0.2454	0.0135	0.0926	0.0041	0.6515	1414.5	69.9	1480.7	83.8	1480.7	83.8	4.7
1357_009_Zrn_a_01_55	1094.45	865.60	1.26	3.1362	0.1800	0.2394	0.0125	0.0950	0.0038	0.7188	1383.7	65.0	1528.1	75.3	1528.1	75.3	10.4
1357_009_Zrn_a_01_75	494.38	680.10	0.73	3.1564	0.1471	0.2509	0.0104	0.0912	0.0036	0.5428	1443.3	53.7	1451.4	74.9	1451.4	74.9	0.6
1357_009_Zrn_a_01_88	630.90	164.27	3.84	3.1792	0.1532	0.2485	0.0094	0.0928	0.0039	0.5016	1430.5	48.4	1483.9	79.0	1483.9	79.0	3.7
1357_009_Zrn_a_01_71	128.48	90.69	1.42	3.2648	0.2234	0.2432	0.0114	0.0974	0.0060	0.4422	1403.1	59.1	1574.6	115.7	1574.6	115.7	12.2
1357_009_Zrn_a_01_11	241.48	141.34	1.71	3.1977	0.1959	0.2480	0.0107	0.0935	0.0049	0.5146	1428.0	55.3	1498.6	99.4	1498.6	99.4	4.9
1357_009_Zrn_a_01_74	209.38	50.16	4.17	3.4040	0.1740	0.2612	0.0105	0.0945	0.0038	0.6231	1496.2	53.4	1518.2	75.9	1518.2	75.9	1.5
1357_009_Zrn_a_01_60	213.63	131.38	1.63	3.4877	0.2122	0.2661	0.0127	0.0950	0.0046	0.6043	1521.2	64.4	1529.0	91.3	1529.0	91.3	0.5
1357_009_Zrn_a_01_100	118.14	152.00	0.78	3.6551	0.2303	0.2732	0.0130	0.0970	0.0054	0.4913	1557.3	65.9	1567.5	103.7	1567.5	103.7	0.7
1357_009_Zrn_a_01_112	271.94	551.65	0.49	3.8911	0.1742	0.2755	0.0095	0.1024	0.0040	0.4784	1568.7	48.2	1668.7	72.8	1668.7	72.8	6.4
1357_009_Zrn_a_01_115	427.17	203.93	2.09	3.9489	0.1845	0.2817	0.0108	0.1017	0.0040	0.5324	1600.0	54.3	1654.7	73.3	1654.7	73.3	3.4
1357_009_Zrn_a_01_41	423.19	222.83	1.90	3.9523	0.1718	0.2792	0.0100	0.1027	0.0038	0.5416	1587.5	50.6	1672.7	67.7	1672.7	67.7	5.4
1357_009_Zrn_a_01_18	284.00	201.93	1.41	4.0127	0.1836	0.2817	0.0108	0.1033	0.0036	0.6521	1599.7	54.5	1684.7	64.5	1684.7	64.5	5.3
1357_009_Zrn_a_01_84	42.35	17.05	2.48	4.0240	0.3568	0.2962	0.0164	0.0985	0.0080	0.4132	1672.4	81.4	1596.5	152.1	1596.5	152.1	-4.5
1357_009_Zrn_a_01_52	152.14	98.86	1.54	4.1174	0.2256	0.2843	0.0123	0.1050	0.0050	0.4930	1612.9	61.8	1715.0	88.3	1715.0	88.3	6.3
1357_009_Zrn_a_01_48	127.12	122.24	1.04	4.1194	0.2894	0.2811	0.0157	0.1063	0.0059	0.6188	1596.7	79.2	1736.9	101.6	1736.9	101.6	8.8
1357_009_Zrn_a_01_65	98.26	70.60	1.39	4.2249	0.2120	0.2949	0.0108	0.1039	0.0046	0.4674	1665.8	53.8	1695.3	81.8	1695.3	81.8	1.8
1357_009_Zrn_a_01_59	35.37	22.41	1.58	4.2369	0.5944	0.2913	0.0353	0.1055	0.0093	0.7824	1647.9	176.4	1723.1	161.3	1723.1	161.3	4.6
1357_009_Zrn_a_01_66	338.03	171.82	1.97	4.2855	0.2253	0.3056	0.0136	0.1017	0.0038	0.6965	1719.0	67.3	1655.5	70.1	1655.5	70.1	-3.7
1357_009_Zrn_a_01_89	782.55	165.21	4.74	4.4329	0.2344	0.3086	0.0148	0.1042	0.0041	0.6733	1734.0	73.1	1699.7	72.2	1699.7	72.2	-2.0
1357_009_Zrn_a_01_81	517.62	147.83	3.50	4.4562	0.2965	0.2954	0.0170	0.1094	0.0062	0.5522	1668.5	84.6	1789.6	103.9	1789.6	103.9	7.3
1357_009_Zrn_a_01_72	167.79	90.67	1.85	4.4629	0.2231	0.2969	0.0115	0.1090	0.0044	0.6023	1675.9	57.4	1783.2	73.2	1783.2	73.2	6.4
1357_009_Zrn_a_01_10	247.87	69.31	3.58	4.4893	0.2205	0.3051	0.0132	0.1067	0.0040	0.6486	1716.4	65.2	1744.3	68.5	1744.3	68.5	1.6

1357_009_Zrn_a_01_70	92.75	36.37	2.55	4.5810	0.2538	0.3060	0.0137	0.1086	0.0054	0.4593	1720.9	67.7	1775.8	91.2	1775.8	91.2	3.2
1357_009_Zrn_a_01_28	760.73	276.03	2.76	4.6789	0.1770	0.3142	0.0103	0.1080	0.0033	0.6160	1761.4	50.7	1765.9	56.4	1765.9	56.4	0.3
1357_009_Zrn_a_01_7	242.54	77.86	3.12	4.8096	0.2195	0.3210	0.0119	0.1087	0.0042	0.5308	1794.8	58.3	1777.0	70.6	1777.0	70.6	-1.0
1357_009_Zrn_a_01_17	278.89	92.96	3.00	4.7945	0.2635	0.3092	0.0135	0.1125	0.0049	0.6173	1736.6	66.7	1839.8	78.3	1839.8	78.3	5.9
1357_009_Zrn_a_01_38	218.25	94.80	2.30	5.1942	0.2353	0.3315	0.0120	0.1136	0.0043	0.5498	1845.8	58.2	1858.3	68.5	1858.3	68.5	0.7
1357_009_Zrn_a_01_42	384.29	139.08	2.76	5.3558	0.2219	0.3354	0.0119	0.1158	0.0041	0.5115	1864.7	57.4	1892.4	64.0	1892.4	64.0	1.5
1357_009_Zrn_a_01_83	269.22	100.89	2.67	5.4380	0.2932	0.3440	0.0156	0.1147	0.0051	0.5780	1905.8	74.9	1874.5	79.6	1874.5	79.6	-1.6
1357_009_Zrn_a_01_108	98.61	117.49	0.84	5.6623	0.4180	0.3561	0.0180	0.1153	0.0077	0.4451	1963.8	85.8	1884.8	120.2	1884.8	120.2	-4.0
1357_009_Zrn_a_01_77	114.20	72.11	1.58	6.0775	0.3360	0.3492	0.0174	0.1262	0.0053	0.6568	1930.9	83.2	2046.0	74.2	2046.0	74.2	6.0
1357_009_Zrn_a_01_67	218.06	6.00	36.34	12.9268	0.8081	0.5019	0.0279	0.1868	0.0070	0.7984	2621.8	119.8	2714.3	62.2	2714.3	62.2	3.5
1357_009_Zrn_a_01_23	251.37	203.52	1.24	13.0988	0.8388	0.4991	0.0273	0.1904	0.0097	0.6116	2609.8	117.5	2745.2	84.1	2745.2	84.1	5.2
1357_009_Zrn_a_01_95	230.41	260.13	0.89	13.4210	0.6663	0.5214	0.0219	0.1867	0.0070	0.6521	2705.2	92.6	2713.2	62.2	2713.2	62.2	0.3
1357_009_Zrn_a_01_58	97.47	123.12	0.79	14.9928	0.7761	0.5569	0.0266	0.1952	0.0069	0.7316	2854.0	110.1	2786.8	57.8	2786.8	57.8	-2.4