

TABLE S1: SK2-535 (lower Kulthieth Formation) LA-ICP-MS U-Pb ZIRCON

GEOCHRONOLOGY Sample location in Decimal Degrees: 60.160522, -140.658200

Zircon	U	238U	206Pb/	U/Th	206Pb/	2 σ	207Pb/	2 σ	206Pb/	2 σ	Error	206Pb/	2 σ	207Pb/	2 σ	206Pb/	2 σ	%
#	(ppm)	cps	204Pb		207Pb	(%)	235U	(%)	238U	(%)	Corr.	238U	(Ma)	235U	(Ma)	207Pb	(Ma)	Disc.
Composition											Ages							
SK2-535 10	70	404678	3500	2.98	23.190	17.6	0.059	19.1	0.010	7.5	0.392	63.4	4.7	57.9	10.8	161.7	437.7	60.8
SK2-535 100	119	690399	178546	2.53	20.221	11.3	0.099	12.9	0.015	6.3	0.487	92.9	5.8	95.7	11.8	168.3	263.9	44.8
SK2-535 101	323	1873145	19842	1.57	21.609	5.7	0.097	6.8	0.015	3.7	0.545	97.2	3.6	93.9	6.1	11.0	136.5	-783.6
SK2-535 102	484	2806282	3500	2.38	22.110	14.9	0.094	15.2	0.015	3.1	0.201	96.7	2.9	91.4	13.3	44.4	363.4	-117.8
SK2-535 103	63	368366	3500	25.08	23.186	19.5	0.061	20.1	0.010	5.1	0.253	65.4	3.3	59.8	11.7	161.3	485.4	59.5
SK2-535 104	92	531979	3500	2.67	21.859	16.8	0.165	17.5	0.026	5	0.285	166.7	8.2	155.2	25.2	16.8	406.5	-892.3
SK2-535 105	210	1219857	3500	4.22	22.114	16.8	0.099	17.1	0.016	3.3	0.19	101.1	3.3	95.4	15.6	44.8	409.7	-125.7
SK2-535 106	316	1835450	16674	5.02	21.200	6.1	0.104	6.9	0.016	3.2	0.463	102.3	3.2	100.4	6.6	56.8	144.9	-80.1
SK2-535 107	274	1589057	22303	4.72	20.506	6.4	0.094	7.5	0.014	3.8	0.508	89.3	3.4	91.0	6.5	135.6	151.2	34.1
SK2-535 108	239	1387227	23470	1.26	20.037	9.5	0.065	11.4	0.009	6.2	0.547	60.4	3.7	63.7	7	189.7	221.2	68.2
SK2-535 109	69	400782	3500	2.68	21.655	18.1	0.071	19.5	0.011	7.2	0.368	71.1	5.1	69.2	13	5.9	437	-1105.1
SK2-535 110	496	2879866	33093	3.06	22.163	5.9	0.051	6.8	0.008	3.3	0.486	53.1	1.7	50.9	3.4	50.2	144	-5.8
SK2-535 111	52	299827	3500	6.01	21.540	17.7	0.058	19	0.009	6.8	0.359	58.0	3.9	57.1	10.6	18.7	426.8	-210.2
SK2-535 112	150	868384	3500	3.21	21.674	15.8	0.111	16.4	0.017	4.2	0.26	111.7	4.7	107.0	16.6	3.7	381.3	-2918.9
SK2-535 113	617	3583325	3500	2.66	22.277	15.6	0.041	16	0.007	3.8	0.235	42.7	1.6	40.9	6.4	62.7	380.6	31.9
SK2-535 114	95	552675	22630	4.3	20.104	14	0.057	15.7	0.008	7	0.449	53.2	3.7	56.1	8.5	181.8	326.4	70.7
SK2-535 115	441	2560879	27275	4.6	20.774	4.1	0.148	5	0.022	2.9	0.573	142.2	4	140.1	6.5	104.9	96.4	-35.6
SK2-535 116	738	4280457	3500	17.7	22.601	14.8	0.070	15.6	0.011	5.1	0.323	73.5	3.7	68.7	10.4	98.0	364	25.0
SK2-535 117	405	2348710	273789	8.59	20.677	4.6	0.135	6.1	0.020	4	0.659	129.6	5.2	128.9	7.4	116.0	108.4	-11.7
SK2-535 118	307	1780801	3500	2.75	24.187	17.5	0.047	17.9	0.008	3.6	0.203	52.6	1.9	46.3	8.1	500.0	1	89.5
SK2-535 119	302	1750094	3500	1.85	22.456	15.9	0.086	16.4	0.014	3.9	0.239	89.6	3.5	83.6	13.2	82.2	390.9	-9.0
SK2-535 12	104	604556	16001	2.64	20.046	7	0.160	7.8	0.023	3.4	0.433	148.0	4.9	150.4	10.9	188.6	162.9	21.5
SK2-535 120	128	744871	3500	2.3	24.309	18.5	0.054	18.6	0.009	2.5	0.134	60.5	1.5	52.9	9.6	500.0	1	87.9
SK2-535 121	169	980669	3500	3.15	22.568	17.3	0.066	18.2	0.011	5.6	0.306	69.5	3.9	65.1	11.5	94.5	426.1	26.5
SK2-535 122	178	1033935	3500	2.11	21.372	15.1	0.094	15.6	0.015	3.7	0.24	93.4	3.5	91.3	13.6	37.4	362.6	-149.7
SK2-535 123	273	1581795	3500	5.02	22.438	15.6	0.079	16.2	0.013	4.2	0.258	82.3	3.4	77.1	12	80.4	383.2	-2.4
SK2-535 124	133	772127	3500	3.58	23.093	17.5	0.065	18.4	0.011	5.4	0.297	70.1	3.8	64.2	11.4	151.3	435.8	53.7
SK2-535 125	576	3342214	59570	2.6	19.988	4.1	0.192	4.9	0.028	2.6	0.538	177.3	4.6	178.5	8	195.3	95.3	9.2
SK2-535 126	169	982957	39072	6.64	20.198	7.5	0.096	9.2	0.014	5.3	0.58	90.4	4.8	93.4	8.2	171.0	175	47.1
SK2-535 127	98	571143	3500	5.84	22.382	17.7	0.084	18.5	0.014	5.5	0.297	87.4	4.8	82.0	14.6	74.2	433.3	-17.8
SK2-535 128	272	1579649	3500	2.45	21.326	14.9	0.093	15.6	0.014	4.5	0.286	92.1	4.1	90.3	13.5	42.6	357.1	-116.2
SK2-535 129	260	1506618	3500	3.21	21.274	14.7	0.093	15.1	0.014	3.6	0.237	91.8	3.3	90.3	13.1	48.5	351.7	-89.3
SK2-535 13	205	1190163	3500	2.51	22.586	16.1	0.074	16.7	0.012	4.3	0.259	77.7	3.3	72.5	11.6	96.4	395.5	19.4
SK2-535 130	84	486572	3500	5.92	21.226	17.4	0.058	18.5	0.009	6.4	0.345	57.2	3.6	57.2	10.3	53.8	414.8	-6.3
SK2-535 132	1139	6610608	3500	2.04	23.189	15.3	0.051	15.5	0.009	2.5	0.162	55.2	1.4	50.7	7.7	161.5	381.9	65.8
SK2-535 133	600	3484444	3500	2.9	19.095	16.6	0.101	17	0.014	3.7	0.22	89.8	3.3	98.0	15.9	300.5	378.4	70.1
SK2-535 134	528	3065436	34062	1.48	20.484	4.6	0.091	5.1	0.014	2.2	0.438	86.8	1.9	88.6	4.3	138.1	106.9	37.1
SK2-535 135	284	1645446	3500	2.82	22.061	16.1	0.060	16.4	0.010	3.2	0.196	61.1	2	58.7	9.4	39.1	391	-56.3
SK2-535 136	219	1271843	3500	3.5	22.349	17	0.056	17.5	0.009	4	0.229	57.8	2.3	54.9	9.3	70.6	416.1	18.1
SK2-535 137	344	1997174	20082	2.28	21.603	6.7	0.092	7.5	0.014	3.4	0.453	92.7	3.1	89.8	6.5	11.6	161.5	-699.1

SK2-535	138	344	1994818	19467	2.7	20.366	6.5	0.061	7.3	0.009	3.2	0.444	57.5	1.9	59.7	4.2	151.6	153.5	62.1
SK2-535	139	149	862730	3500	3.73	22.784	19.4	0.061	20.2	0.010	5.4	0.269	64.8	3.5	60.2	11.8	117.9	479.8	45.0
SK2-535	14	211	1222433	3500	2.89	22.649	17.1	0.086	17.5	0.014	3.5	0.202	90.5	3.2	83.8	14	103.3	421	12.4
SK2-535	140	235	1363214	3500	1.55	23.479	16.5	0.061	17	0.010	4.1	0.244	66.5	2.7	60.0	9.9	192.6	413.5	65.5
SK2-535	141	357	2070979	3500	2.36	22.351	10.8	0.041	11.4	0.007	3.8	0.329	42.7	1.6	40.8	4.6	70.8	263.5	39.7
SK2-535	142	280	1627510	3500	2.22	22.446	15.2	0.083	15.5	0.014	3	0.193	86.4	2.6	80.8	12	81.2	372.6	-6.4
SK2-535	143	127	736807	20905	4.39	20.494	11.1	0.091	12	0.014	4.4	0.37	86.9	3.8	88.7	10.2	137.0	261.8	36.6
SK2-535	144	215	1249636	3500	2.45	23.194	16.3	0.075	16.8	0.013	4.1	0.242	80.8	3.3	73.4	11.9	162.1	405.4	50.2
SK2-535	145	283	1644464	3500	1.89	22.605	17.9	0.047	18.3	0.008	3.7	0.203	49.5	1.8	46.6	8.3	98.5	440.3	49.7
SK2-535	146	140	813778	3500	3.34	14.026	19.9	0.300	20.4	0.031	4.8	0.235	193.7	9.2	266.2	47.8	965.1	406.3	79.9
SK2-535	147	82	477866	22112	3.15	21.736	12.9	0.055	14.1	0.009	5.8	0.409	55.3	3.2	54.0	7.4	3.1	311.2	-1683.9
SK2-535	148	158	914495	19162	2.09	20.586	9.9	0.088	11	0.013	4.8	0.433	84.6	4	86.0	9.1	126.4	233.1	33.1
SK2-535	149	556	3227583	19558	2.1	20.624	4.7	0.195	7	0.029	5.2	0.744	185.1	9.5	180.6	11.5	122.0	109.8	-51.7
SK2-535	150	1855	1.1E+07	524758	2.4	17.656	4.5	0.065	5.4	0.008	3	0.554	53.2	1.6	63.6	3.3	476.5	98.8	88.8
SK2-535	151	383	2224192	57113	3.27	18.401	3	0.461	3.8	0.062	2.4	0.617	384.7	8.8	384.7	12.2	384.4	67.6	-0.1
SK2-535	152	238	1383191	38117	3.61	21.109	5.9	0.092	7.5	0.014	4.7	0.629	90.4	4.3	89.5	6.5	67.0	139.4	-34.9
SK2-535	153	111	646151	3500	2.84	22.516	20.1	0.058	20.7	0.009	4.8	0.232	60.6	2.9	57.0	11.5	88.8	494.9	31.8
SK2-535	154	350	2032879	296792	2.58	20.979	6.7	0.096	7.8	0.015	3.9	0.501	93.6	3.6	93.2	6.9	81.6	159.9	-14.7
SK2-535	155	55	321885	3500	3.63	18.810	17.7	0.065	19.2	0.009	7.5	0.391	57.1	4.3	64.1	11.9	334.7	400.8	82.9
SK2-535	156	206	1196034	3500	4.14	21.917	17.6	0.049	18.2	0.008	4.6	0.254	50.3	2.3	48.8	8.7	23.2	427.8	-116.8
SK2-535	157	118	682287	3500	3.52	20.481	16.7	0.082	17.3	0.012	4.7	0.272	78.1	3.7	80.1	13.3	138.5	391.7	43.6
SK2-535	158	132	768436	3500	2.23	21.437	15.9	0.114	16.4	0.018	4	0.247	113.4	4.5	109.7	17	30.2	380.5	-275.5
SK2-535	159	249	1444529	164610	2.28	18.759	3.5	0.338	4.9	0.046	3.4	0.698	289.6	9.7	295.3	12.6	340.9	79.4	15.0
SK2-535	16	411	2387022	3500	4.25	22.639	15.4	0.090	15.7	0.015	3	0.19	94.4	2.8	87.4	13.1	102.2	379.3	7.6
SK2-535	160	919	5331814	3500	1.24	22.974	15.4	0.041	15.7	0.007	3.4	0.218	44.4	1.5	41.2	6.4	138.4	380.5	67.9
SK2-535	161	147	852289	43332	1.86	20.179	9.3	0.089	10.7	0.013	5.2	0.484	83.4	4.3	86.5	8.9	173.2	218.3	51.8
SK2-535	162	124	719571	3500	2.37	21.059	16.5	0.058	16.9	0.009	3.7	0.216	57.3	2.1	57.6	9.5	72.7	393.1	21.2
SK2-535	163	277	1605182	3500	2.83	22.499	16.9	0.052	17.4	0.008	4.4	0.251	54.5	2.4	51.4	8.7	87.0	414.4	37.4
SK2-535	164	601	3485785	22702	4.4	21.063	6.6	0.054	7.2	0.008	2.9	0.397	52.7	1.5	53.2	3.7	72.2	158	27.0
SK2-535	165	440	2554879	90510	2.18	19.295	2.9	0.344	4.9	0.048	4	0.81	303.2	11.7	300.2	12.7	276.8	65.7	-9.5
SK2-535	166	768	4457317	85701	2.21	21.341	6.7	0.044	7.4	0.007	2.9	0.397	43.9	1.3	43.9	3.2	41.0	161.4	-7.1
SK2-535	168	761	4418417	78129	3.26	20.935	4.2	0.063	5	0.010	2.8	0.564	61.6	1.7	62.2	3	86.7	98.5	29.0
SK2-535	169	99	575035	3500	2.31	19.311	14.1	0.105	15.1	0.015	5.5	0.365	94.0	5.1	101.2	14.5	274.8	322.2	65.8
SK2-535	17	230	1331956	772688	4	19.418	4.6	0.193	5.5	0.027	3.1	0.556	173.3	5.2	179.5	9.1	262.2	105.4	33.9
SK2-535	170	415	2407684	3500	2.8	22.361	15.1	0.080	15.4	0.013	3	0.197	83.2	2.5	78.2	11.6	71.9	370.4	-15.7
SK2-535	171	96	558981	3500	2.35	22.504	17.8	0.119	18.3	0.019	4	0.218	123.6	4.9	113.7	19.6	87.5	437.3	-41.3
SK2-535	172	130	753631	3500	2.49	20.862	15	0.094	16.4	0.014	6.6	0.402	91.1	6	91.2	14.3	95.0	356	4.1
SK2-535	174	429	2487011	3500	2.1	23.399	15.9	0.050	16.2	0.008	3.2	0.195	53.9	1.7	49.0	7.8	184.0	398.2	70.7
SK2-535	175	197	1144504	24902	4.39	20.332	8	0.111	9	0.016	4.1	0.459	105.0	4.3	107.1	9.1	155.5	187.1	32.5
SK2-535	176	193	1118731	3500	4.04	8.619	46.7	0.146	47	0.009	5.2	0.111	58.7	3.1	138.6	60.9	1894.9	853.1	96.9
SK2-535	177	394	2283832	3500	2.17	21.809	14.5	0.113	14.8	0.018	2.8	0.189	113.7	3.1	108.2	15.1	11.2	350.4	-915.2
SK2-535	178	879	5098328	45160	1.44	20.802	4.3	0.073	5.5	0.011	3.4	0.616	70.1	2.4	71.1	3.8	101.8	102.3	31.1
SK2-535	179	80	465357	3500	1.73	20.571	15.9	0.152	16.9	0.023	5.6	0.329	144.6	7.9	143.7	22.6	128.1	375.3	-12.9
SK2-535	180	239	1388400	154705	2.48	20.445	9.9	0.057	10.5	0.008	3.3	0.318	54.0	1.8	56.0	5.7	142.5	233.5	62.1
SK2-535	181	131	759024	3500	2.76	22.460	15.2	0.141	15.6	0.023	3.5	0.225	146.4	5.1	133.9	19.6	82.7	372.8	-77.0

SK2-535	182	670	3887393	17988	3.48	20.947	5	0.088	5.9	0.013	3.1	0.528	86.0	2.7	86.0	4.9	85.4	118.7	-0.7
SK2-535	183	363	2107916	3500	3.68	22.030	14.8	0.087	15.1	0.014	2.9	0.194	88.7	2.6	84.4	12.2	35.6	359	-149.2
SK2-535	184	283	1640727	3500	3	23.389	16.9	0.055	17.4	0.009	4.1	0.233	60.3	2.4	54.7	9.3	182.9	423.1	67.0
SK2-535	185	334	1936725	38403	2.73	20.869	5	0.066	6.2	0.010	3.7	0.594	64.4	2.4	65.2	3.9	94.1	118.6	31.6
SK2-535	186	207	1200379	3500	2.35	23.590	17.5	0.047	18.3	0.008	5.2	0.282	51.2	2.6	46.3	8.3	204.3	439.8	74.9
SK2-535	187	1209	7017643	47953	2.87	21.447	3.2	0.065	4.1	0.010	2.5	0.615	65.3	1.6	64.3	2.5	29.0	77.1	-125.2
SK2-535	188	831	4820722	31524	3.4	21.526	5.1	0.051	6.2	0.008	3.5	0.563	50.9	1.8	50.3	3	20.3	123.1	-150.7
SK2-535	189	253	1470237	3500	3.51	22.890	16.7	0.074	17.1	0.012	3.7	0.214	78.2	2.8	72.0	11.9	129.4	413	39.6
SK2-535	19	1167	6772369	40001	3.15	21.150	4.5	0.054	5	0.008	2.3	0.463	53.3	1.2	53.5	2.6	62.4	106.1	14.6
SK2-535	190	133	773996	3500	5.06	22.088	17.6	0.075	18.5	0.012	5.6	0.301	77.0	4.2	73.4	13.1	42.0	428.5	-83.3
SK2-535	191	214	1239111	15341	3.07	20.471	7.3	0.098	9.3	0.015	5.7	0.615	92.9	5.3	94.7	8.4	139.5	172.2	33.4
SK2-535	192	357	2073919	3500	2.89	22.024	14.9	0.113	15.3	0.018	3.3	0.218	114.8	3.8	108.2	15.7	34.9	362.2	-228.9
SK2-535	193	129	749456	3500	3	23.363	19.5	0.048	20.3	0.008	5.4	0.266	51.7	2.8	47.1	9.3	180.2	488.4	71.3
SK2-535	194	102	589667	3500	3.22	19.975	17.7	0.055	18.6	0.008	5.8	0.31	50.8	2.9	54.0	9.8	196.8	411.9	74.2
SK2-535	195	321	1863925	3500	3.22	22.556	15.5	0.086	15.9	0.014	3.6	0.229	89.6	3.2	83.3	12.7	93.2	380.3	3.9
SK2-535	196	284	1650206	18798	3.83	19.837	6.3	0.095	7.4	0.014	3.9	0.527	87.2	3.4	91.8	6.5	212.9	146.7	59.0
SK2-535	197	64	369543	3500	2.83	20.894	19	0.119	20.2	0.018	6.8	0.336	115.4	7.8	114.3	21.8	91.4	451.2	-26.3
SK2-535	198	505	2932564	3500	4.98	22.765	15.1	0.071	15.2	0.012	1.6	0.108	75.0	1.2	69.5	10.2	115.9	372.8	35.3
SK2-535	199	140	810635	41330	2.37	20.447	11.9	0.064	13	0.009	5.4	0.414	60.5	3.3	62.6	7.9	142.4	278.9	57.5
SK2-535	2	26	152034	3500	3.55	14.730	29.7	0.085	32	0.009	12	0.374	58.3	7	82.9	25.5	864.2	619.2	93.3
SK2-535	20	253	1466603	3500	2.23	23.114	17	0.070	17.8	0.012	5	0.282	75.6	3.8	69.0	11.9	153.5	423.8	50.7
SK2-535	200	1828	1.1E+07	156679	8.83	21.079	3.4	0.062	4.4	0.009	2.8	0.642	60.7	1.7	60.9	2.6	70.4	80.9	13.8
SK2-535	201	214	1240154	3500	3.2	22.429	17.8	0.052	18.6	0.008	5.5	0.297	54.5	3	51.6	9.4	79.3	435.1	31.3
SK2-535	202	395	2293057	22918	5.94	21.248	5	0.060	6.3	0.009	3.7	0.595	59.3	2.2	59.2	3.6	51.4	120.4	-15.4
SK2-535	203	1187	6886631	88719	3.67	19.726	1.4	0.242	2.6	0.035	2.1	0.83	219.7	4.6	220.2	5.1	225.9	33.3	2.7
SK2-535	204	152	882021	21382	2.4	20.271	6.5	0.211	7.7	0.031	4.1	0.535	197.2	8	194.6	13.6	162.6	151.9	-21.3
SK2-535	205	84	488236	3500	1.89	22.214	18.5	0.060	19.2	0.010	4.9	0.254	62.3	3	59.4	11.1	55.8	452.3	-11.6
SK2-535	207	1101	6386917	36818	1.49	21.647	2.7	0.086	3.5	0.014	2.2	0.63	86.8	1.9	84.0	2.8	6.8	65.9	-1176.5
SK2-535	21	289	1677704	3500	2.27	21.449	14.8	0.054	15.3	0.008	3.9	0.256	53.7	2.1	53.2	7.9	28.9	354.2	-85.8
SK2-535	210	152	882880	3500	2.21	21.771	17.4	0.065	18.2	0.010	5.1	0.281	65.6	3.3	63.7	11.2	6.9	421.7	-850.7
SK2-535	211	371	2151738	19904	2.96	20.104	5.3	0.184	6.1	0.027	3.1	0.502	170.3	5.2	171.1	9.7	181.8	123.8	6.3
SK2-535	212	126	733209	3500	2.31	21.944	17.2	0.053	18.1	0.008	5.7	0.315	54.2	3.1	52.5	9.3	26.1	417.3	-107.7
SK2-535	213	171	992245	3500	2.2	22.580	16.3	0.092	16.9	0.015	4.7	0.277	96.2	4.5	89.2	14.5	95.8	399.9	-0.4
SK2-535	215	126	732181	3500	2.61	21.738	15.6	0.095	16.1	0.015	4	0.248	95.5	3.8	91.8	14.2	3.3	377.4	-2793.9
SK2-535	216	107	623349	3500	4.58	24.076	18.8	0.094	19.6	0.016	5.5	0.279	104.6	5.7	90.9	17.1	500.0	1	79.1
SK2-535	217	138	803518	3500	5.03	22.378	16.9	0.092	17.4	0.015	4.1	0.234	95.0	3.8	88.9	14.8	73.7	413.1	-28.9
SK2-535	218	170	984637	347935	1.75	20.461	5.9	0.129	7.3	0.019	4.3	0.587	122.4	5.2	123.3	8.5	140.7	139	13.0
SK2-535	219	310	1798240	3500	3.76	12.845	24.3	0.110	24.9	0.010	5.4	0.216	65.7	3.5	105.9	25.1	1142.2	485.8	94.2
SK2-535	22	321	1862434	3500	2.96	23.052	15.8	0.079	16.1	0.013	3.4	0.211	84.7	2.9	77.3	12	146.8	391.3	42.3
SK2-535	220	181	1051219	3500	2.8	24.356	18.1	0.046	18.9	0.008	5.5	0.292	52.0	2.9	45.5	8.4	500.0	1	89.6
SK2-535	221	58	336677	3500	2.3	18.935	19.3	0.090	20.4	0.012	6.6	0.325	79.3	5.2	87.5	17.1	319.8	440	75.2
SK2-535	222	122	709385	3500	4.8	21.916	15.3	0.156	16.1	0.025	5	0.31	158.0	7.8	147.2	22.1	23.1	370.9	-584.0
SK2-535	223	147	854859	3500	3.85	23.011	17.1	0.078	17.7	0.013	4.7	0.263	82.9	3.8	75.8	13	142.4	424.7	41.8
SK2-535	224	743	4314643	138291	7.25	21.535	5.6	0.067	6.6	0.010	3.4	0.518	67.1	2.3	65.9	4.2	19.2	134.7	-249.5
SK2-535	226	103	596059	3500	5.65	20.488	16	0.072	17.2	0.011	6.4	0.374	68.7	4.4	70.7	11.8	137.6	375.5	50.1

SK2-535	227	214	1241394	3500	3.33	21.960	17.4	0.060	17.7	0.010	3.3	0.188	61.1	2	58.9	10.1	27.9	422.3	-119.0
SK2-535	228	78	454792	3500	4.49	21.674	17.2	0.111	17.9	0.017	5	0.282	111.7	5.6	107.0	18.2	3.8	414	-2839.5
SK2-535	229	76	441790	3500	2.34	19.995	13.8	0.165	14.5	0.024	4.2	0.292	152.8	6.4	155.4	20.9	194.5	322.2	21.4
SK2-535	23	242	1405046	63873	4.67	21.580	8.4	0.087	9.3	0.014	3.8	0.411	87.0	3.3	84.5	7.5	14.2	203.1	-512.7
SK2-535	231	68	393545	3500	3.38	20.582	16.7	0.157	17.7	0.023	5.8	0.33	149.5	8.6	148.2	24.4	126.9	394.3	-17.8
SK2-535	232	203	1177695	52675	1.17	19.261	4.1	0.319	5	0.045	2.8	0.566	281.4	7.8	281.3	12.3	280.8	94.4	-0.2
SK2-535	233	905	5254765	24610	2.54	21.426	3.4	0.097	4.4	0.015	2.8	0.642	96.1	2.7	93.6	3.9	31.5	80.5	-205.1
SK2-535	234	191	1107493	3500	4.08	22.929	16.1	0.108	16.6	0.018	4	0.24	114.8	4.5	104.2	16.4	133.6	398.4	14.1
SK2-535	235	148	858790	32546	3.14	19.448	11.4	0.059	12.7	0.008	5.5	0.437	53.0	2.9	57.7	7.1	258.7	262.2	79.5
SK2-535	236	305	1768016	142057	3.01	20.137	5.1	0.098	6.3	0.014	3.7	0.592	91.6	3.4	94.8	5.7	178.1	118.1	48.6
SK2-535	237	771	4475746	15000	4.93	20.704	5.2	0.089	6	0.013	3	0.497	85.1	2.5	86.1	5	113.0	123.3	24.7
SK2-535	238	317	1839593	3500	5.12	22.727	15.6	0.053	15.9	0.009	3.3	0.21	56.1	1.9	52.4	8.1	111.7	383.6	49.8
SK2-535	239	46	268766	3500	2.79	20.705	19.4	0.151	21.1	0.023	8.3	0.396	144.5	11.9	142.7	28.1	112.7	458.4	-28.2
SK2-535	24	380	2203266	20266	3.5	20.409	4.2	0.202	4.9	0.030	2.5	0.518	189.7	4.7	186.5	8.3	146.7	98.3	-29.3
SK2-535	240	165	959533	16105	2.54	20.174	7.8	0.097	8.8	0.014	4.2	0.476	90.9	3.8	94.0	7.9	173.7	181.5	47.7
SK2-535	241	247	1432592	15134	7.22	20.730	6.7	0.171	7.5	0.026	3.4	0.45	163.9	5.4	160.5	11.1	109.9	157.4	-49.1
SK2-535	242	317	1840452	3500	2.87	23.324	15.5	0.087	15.9	0.015	3.5	0.222	94.4	3.3	84.9	13	176.0	387.4	46.4
SK2-535	243	338	1959899	24882	3.24	19.075	4.4	0.197	5.4	0.027	3.1	0.584	173.1	5.4	182.3	9	302.9	99.4	42.9
SK2-535	244	406	2355294	3500	2.44	22.492	15.4	0.088	15.7	0.014	3.3	0.207	91.6	3	85.4	12.9	86.3	377.5	-6.1
SK2-535	245	797	4628034	98067	3.64	20.048	2.4	0.187	3.6	0.027	2.6	0.739	173.2	4.5	174.2	5.7	188.4	55.8	8.1
SK2-535	246	373	2164539	3500	2.67	23.535	18	0.040	18.2	0.007	2.7	0.147	44.1	1.2	40.1	7.2	198.5	451.8	77.8
SK2-535	247	110	640597	3500	2.25	23.084	19.4	0.051	20.4	0.009	6.3	0.311	54.7	3.5	50.4	10	150.3	481.1	63.6
SK2-535	248	65	376012	3500	1.95	21.807	15.8	0.173	17.1	0.027	6.6	0.384	174.5	11.3	162.4	25.7	11.0	382.5	-1486.4
SK2-535	249	101	585560	68348	2.9	7.673	1.9	6.379	5.2	0.355	4.8	0.93	1959.3	81	2029.4	45.3	2101.5	33.3	6.8
SK2-535	25	312	1810665	3500	3.93	22.203	15.7	0.068	16.1	0.011	3.6	0.222	70.5	2.5	67.0	10.4	54.6	382	-29.1
SK2-535	250	138	799973	3500	2.34	21.254	15.4	0.054	16.1	0.008	4.8	0.301	53.1	2.6	53.0	8.3	50.6	367.7	-4.9
SK2-535	251	74	431190	3500	2.92	21.512	16.6	0.169	17.5	0.026	5.5	0.317	168.0	9.2	158.6	25.7	21.8	398.5	-670.6
SK2-535	252	261	1516544	3500	2.96	22.131	15.5	0.067	16	0.011	3.8	0.238	69.3	2.6	66.1	10.2	46.7	377.3	-48.4
SK2-535	254	149	865550	24336	2.58	21.080	9.3	0.085	10	0.013	3.8	0.378	83.1	3.1	82.7	8	70.2	220.6	-18.4
SK2-535	255	422	2448280	3500	4.58	22.918	15.2	0.082	15.4	0.014	2.9	0.19	86.8	2.5	79.6	11.8	132.4	375.1	34.4
SK2-535	256	701	4065348	16510	8.7	21.486	6.4	0.062	7.8	0.010	4.5	0.575	62.2	2.8	61.2	4.7	24.6	153.8	-152.8
SK2-535	257	156	906733	3500	2.81	21.357	14.2	0.196	14.6	0.030	3.3	0.23	192.6	6.4	181.5	24.2	39.1	339.2	-392.6
SK2-535	258	324	1881470	3500	3.06	22.394	15.2	0.088	15.5	0.014	3	0.195	91.7	2.7	85.8	12.7	75.5	371.8	-21.5
SK2-535	259	244	1418241	89261	3.56	18.131	3.5	0.365	4.6	0.048	2.9	0.639	302.5	8.6	316.1	12.4	417.4	78.3	27.5
SK2-535	26	1333	7737527	44713	1.21	21.094	3.1	0.098	3.6	0.015	1.7	0.476	96.4	1.6	95.3	3.2	68.7	74.5	-40.3
SK2-535	260	285	1654265	3500	3	21.797	17.7	0.061	18.2	0.010	4.2	0.23	62.1	2.6	60.3	10.6	9.9	427.7	-527.3
SK2-535	261	166	964806	3500	5.2	21.380	15.5	0.155	15.8	0.024	2.8	0.178	153.0	4.2	146.1	21.5	36.5	372.1	-319.2
SK2-535	262	300	1742394	739863	2.75	20.053	6.8	0.149	7.7	0.022	3.6	0.466	138.5	4.9	141.3	10.1	187.8	158	26.3
SK2-535	263	272	1580916	36668	2.72	22.064	7.8	0.053	8.7	0.008	4	0.454	54.4	2.1	52.4	4.5	39.4	188.7	-38.1
SK2-535	264	84	485865	3500	3.05	21.658	16.1	0.052	17.1	0.008	5.6	0.329	52.3	2.9	51.3	8.6	5.6	389.3	-833.9
SK2-535	265	115	669398	3500	1.69	21.782	16.2	0.156	17.9	0.025	7.6	0.424	157.2	11.8	147.3	24.5	8.2	391.3	-1817.1
SK2-535	266	182	1053592	3500	2.23	22.814	17.9	0.065	18.4	0.011	4.4	0.237	68.5	3	63.5	11.3	121.2	442.5	43.5
SK2-535	267	476	2761380	3500	3.96	22.622	10.8	0.053	13.6	0.009	8.2	0.605	55.9	4.6	52.5	7	100.3	266.4	44.3
SK2-535	269	203	1180286	3500	4.16	20.466	17	0.061	17.4	0.009	4	0.227	58.4	2.3	60.4	10.2	140.1	399.4	58.3
SK2-535	27	405	2348030	3500	4.57	21.701	15.4	0.077	16.6	0.012	6	0.363	77.3	4.6	74.9	12	0.7	372.8	-10942.9

SK2-535 270	143	830459	3500	3.46	22.691	17.8	0.073	18.8	0.012	6.2	0.331	76.8	4.8	71.3	13	107.9	437.8	28.8
SK2-535 271	197	1141025	3500	1.69	23.046	15.5	0.135	16.2	0.023	4.5	0.279	143.8	6.4	128.5	19.5	146.2	385.7	1.6
SK2-535 272	408	2369950	21164	3.2	20.754	4.9	0.104	6.1	0.016	3.6	0.597	100.3	3.6	100.6	5.8	107.3	115.2	6.5
SK2-535 273	225	1303126	3500	4.81	12.881	19.9	0.138	20	0.013	2.8	0.138	82.4	2.3	131.0	24.6	1136.6	396	92.8
SK2-535 274	255	1482706	3500	3.05	22.627	16.3	0.083	16.6	0.014	3.2	0.193	87.2	2.8	81.0	12.9	100.9	400.9	13.6
SK2-535 275	183	1064459	3500	3	22.425	17.2	0.084	17.7	0.014	3.9	0.221	87.7	3.4	82.1	13.9	78.9	422.6	-11.2
SK2-535 276	115	668606	3500	2.96	21.543	19.8	0.051	20.3	0.008	4.7	0.233	51.5	2.4	50.8	10.1	18.4	475.6	-179.9
SK2-535 277	192	1111829	3500	1.73	21.448	16.9	0.049	17.4	0.008	4.2	0.244	49.1	2.1	48.7	8.3	29.0	404.8	-69.3
SK2-535 278	480	2785342	37307	2.7	20.422	5.4	0.094	6.5	0.014	3.6	0.553	88.7	3.2	90.8	5.6	145.1	126.5	38.9
SK2-535 279	252	1461327	147782	3.01	20.328	7.3	0.095	8.5	0.014	4.3	0.506	89.2	3.8	91.6	7.4	156.0	171	42.8
SK2-535 28	98	567600	3500	4.77	21.822	17.6	0.069	18.3	0.011	5	0.274	70.1	3.5	67.8	12	12.6	425	-456.3
SK2-535 280	333	1933032	3500	2.67	21.401	14.7	0.063	15.1	0.010	3.5	0.233	62.5	2.2	61.8	9	34.2	351.7	-82.7
SK2-535 281	642	3728473	49206	3.39	21.122	5.3	0.052	6.1	0.008	3	0.489	50.9	1.5	51.2	3	65.6	126.7	22.4
SK2-535 282	753	4372681	40147	3.37	20.659	3.5	0.117	4.6	0.018	2.9	0.641	112.3	3.3	112.5	4.9	118.1	82.8	4.9
SK2-535 283	363	2108172	35680	2.46	19.166	3.6	0.336	4.6	0.047	2.9	0.625	293.9	8.3	293.7	11.8	292.1	82.6	-0.6
SK2-535 284	291	1687892	3500	3.31	23.433	16.6	0.084	16.9	0.014	3.4	0.2	91.3	3.1	81.8	13.3	187.7	414.4	51.4
SK2-535 285	502	2915026	3500	2.16	23.203	16	0.070	16.3	0.012	3.2	0.194	75.8	2.4	69.0	10.9	163.1	397.6	53.5
SK2-535 286	1295	7512337	77316	1.04	20.788	3.3	0.074	4.1	0.011	2.4	0.595	71.6	1.7	72.6	2.8	103.4	77.2	30.8
SK2-535 287	464	2694830	3500	1.79	22.959	15.8	0.076	16.1	0.013	2.9	0.179	81.1	2.3	74.3	11.5	136.8	392.3	40.7
SK2-535 288	281	1628132	3500	3.04	21.093	13.8	0.200	14.2	0.031	3.3	0.229	194.2	6.2	185.0	24	68.8	329.1	-182.3
SK2-535 289	600	3480253	39799	2.39	20.956	3.8	0.101	4.6	0.015	2.6	0.572	98.0	2.6	97.5	4.3	84.3	90	-16.3
SK2-535 29	445	2579610	3500	3.24	22.479	15.2	0.088	15.7	0.014	4	0.254	91.5	3.6	85.3	12.9	84.8	372.7	-7.9
SK2-535 290	1673	9708389	22764	3.34	20.863	4.5	0.052	5.4	0.008	2.9	0.535	50.2	1.4	51.1	2.7	94.9	107.1	47.1
SK2-535 291	213	1238203	3500	6.46	22.507	18	0.050	18.5	0.008	4.1	0.223	52.1	2.1	49.3	8.9	87.9	442.3	40.7
SK2-535 292	439	2547841	49013	2.34	20.811	6.7	0.086	7.7	0.013	3.9	0.505	83.5	3.2	84.1	6.2	100.7	158.1	17.1
SK2-535 293	177	1024958	3500	4.95	21.839	15.8	0.089	16.4	0.014	4.5	0.272	89.8	4	86.2	13.6	14.5	382.4	-519.3
SK2-535 294	331	1920605	20935	1.83	20.963	5.1	0.090	6.2	0.014	3.5	0.568	87.4	3.1	87.2	5.2	83.5	121.2	-4.7
SK2-535 295	561	3255551	134416	2.89	20.037	5.9	0.065	6.9	0.009	3.6	0.521	60.8	2.2	64.1	4.3	189.7	137.5	67.9
SK2-535 296	408	2365648	3500	2	22.063	14.9	0.134	15.2	0.021	3.1	0.202	136.5	4.2	127.4	18.2	39.2	362.9	-248.2
SK2-535 297	445	2584755	50154	2.25	18.161	3	0.493	3.7	0.065	2.3	0.604	405.8	8.9	407.0	12.6	413.8	66.7	1.9
SK2-535 298	1142	6625955	127173	18.53	20.649	3.9	0.064	4.6	0.010	2.6	0.553	61.2	1.6	62.7	2.8	119.2	91	48.7
SK2-535 299	83	481665	3500	2.4	20.460	15.6	0.150	16.3	0.022	4.7	0.287	141.9	6.5	141.9	21.5	140.9	366	-0.7
SK2-535 30	331	1923665	16943	2.55	21.268	6.8	0.057	8.4	0.009	4.8	0.578	56.0	2.7	55.8	4.5	49.1	162.8	-14.1
SK2-535 300	116	671266	3500	4.97	11.027	35.6	0.112	36.1	0.009	5.8	0.161	57.4	3.3	107.6	36.9	1439.1	684.7	96.0
SK2-535 301	225	1304884	3500	2.58	20.253	13.2	0.317	13.7	0.047	3.7	0.271	293.2	10.6	279.3	33.4	164.6	307.7	-78.1
SK2-535 302	89	514381	3500	3.5	22.041	17.5	0.072	18.6	0.012	6.3	0.339	73.7	4.6	70.5	12.7	36.8	425.9	-100.3
SK2-535 303	634	3680705	301204	4.5	20.340	5.5	0.073	6.1	0.011	2.5	0.416	68.7	1.7	71.1	4.2	154.7	129.1	55.6
SK2-535 305	350	2028987	3500	2.57	22.506	15.5	0.096	15.8	0.016	3	0.19	100.0	3	92.8	14	87.8	381.1	-13.9
SK2-535 306	364	2110458	20453	4.01	19.669	4.1	0.200	5	0.028	2.8	0.565	181.1	5.1	184.8	8.5	232.6	95.7	22.1
SK2-535 307	193	1121748	3500	3.95	23.698	18.8	0.051	19.6	0.009	5.3	0.269	56.4	3	50.6	9.7	215.9	474.6	73.9
SK2-535 308	105	608419	3500	3.63	22.471	16.3	0.159	17.2	0.026	5.5	0.322	164.7	9	149.6	23.9	83.9	399.2	-96.3
SK2-535 309	1930	1.1E+07	168906	4.13	20.437	2.4	0.126	3.3	0.019	2.3	0.682	119.4	2.7	120.6	3.8	143.5	56.7	16.8
SK2-535 31	3626	2.1E+07	44461	3.19	18.844	4.5	0.169	8.2	0.023	6.8	0.834	146.9	9.9	158.2	12	330.7	102.2	55.6
SK2-535 311	1041	6040079	50689	1.26	20.957	4.6	0.067	5.4	0.010	2.8	0.518	65.7	1.8	66.2	3.5	84.2	109.3	22.0
SK2-535 312	175	1017284	3500	3.03	19.897	17	0.046	17.7	0.007	4.7	0.268	42.7	2	45.7	7.9	206.0	395.9	79.3

SK2-535 313	309	1792067	19120	3.45	20.655	5.3	0.160	6.1	0.024	3	0.495	153.0	4.6	151.0	8.6	118.6	125.4	-29.0
SK2-535 314	408	2367404	90848	2.32	20.357	5.4	0.101	6.2	0.015	3.2	0.509	95.1	3	97.4	5.8	152.7	126	37.7
SK2-535 315	219	1268268	3500	5.89	22.028	17.9	0.049	18.4	0.008	4.2	0.228	50.1	2.1	48.4	8.7	35.4	436.3	-41.5
SK2-535 32	104	605404	3500	3.32	19.001	19.6	0.063	20.3	0.009	5.1	0.25	56.1	2.8	62.4	12.3	311.8	447.4	82.0
SK2-535 33	135	784888	34778	4.13	20.644	11.2	0.084	12.1	0.013	4.4	0.366	80.7	3.5	82.0	9.5	119.8	264.8	32.6
SK2-535 34	410	2376822	3500	4.02	23.230	15.5	0.075	15.8	0.013	3.1	0.195	81.3	2.5	73.7	11.2	166.0	386.2	51.0
SK2-535 35	203	1177086	3500	2.06	23.728	17	0.047	17.8	0.008	4.9	0.278	51.5	2.5	46.2	8	500.0	1	89.7
SK2-535 36	185	1073394	3500	3.92	23.405	16.3	0.083	16.9	0.014	4.4	0.259	90.7	3.9	81.3	13.2	184.7	407.8	50.9
SK2-535 37	229	1327170	82768	2.98	20.032	7.2	0.126	8.1	0.018	3.5	0.438	117.2	4.1	120.7	9.2	190.3	168.4	38.4
SK2-535 38	353	2046101	50216	3.17	21.486	7.5	0.058	8.2	0.009	3.3	0.401	57.8	1.9	57.0	4.5	24.7	179.9	-134.0
SK2-535 39	153	885459	3500	2.91	22.781	16.5	0.094	16.9	0.016	3.8	0.225	99.5	3.8	91.3	14.8	117.6	406.9	15.4
SK2-535 4	341	1976715	68640	2.28	20.425	4.9	0.164	6.4	0.024	4.2	0.645	154.8	6.4	154.2	9.2	144.8	115.6	-6.9
SK2-535 40	205	1187322	16999	1.74	20.388	6.1	0.114	7.8	0.017	4.9	0.622	107.8	5.2	109.6	8.1	149.1	143.4	27.7
SK2-535 42	60	346425	3500	2.83	18.609	21.9	0.070	22.7	0.009	5.8	0.257	60.4	3.5	68.4	15	359.0	496.1	83.2
SK2-535 43	292	1693251	93231	2.27	18.536	3.1	0.420	5	0.057	3.8	0.773	354.3	13.2	356.1	14.9	367.9	70.8	3.7
SK2-535 44	1450	8417052	79633	33.95	21.490	3.6	0.062	4	0.010	1.9	0.479	61.8	1.2	60.9	2.4	24.2	85.2	-155.4
SK2-535 45	116	674771	3500	3.14	20.824	14	0.311	15	0.047	5.3	0.353	295.7	15.3	274.7	36.1	99.2	332	-198.1
SK2-535 46	106	616698	3500	3.37	22.249	16	0.094	16.7	0.015	4.8	0.286	97.4	4.6	91.5	14.6	59.7	390.8	-63.1
SK2-535 47	204	1184963	3500	2.56	23.362	16	0.094	16.3	0.016	3.1	0.188	102.1	3.1	91.4	14.2	180.0	399.3	43.3
SK2-535 48	857	4972622	69757	2.51	20.909	5.3	0.072	5.8	0.011	2.4	0.411	70.3	1.7	70.8	4	89.6	126.2	21.5
SK2-535 49	119	691474	15427	2.13	20.729	9.6	0.089	10.4	0.013	3.9	0.379	85.9	3.4	86.8	8.6	110.1	226.5	22.0
SK2-535 5	83	482441	3500	2.31	22.490	19.7	0.085	20.4	0.014	5.5	0.268	89.0	4.8	83.1	16.3	85.9	482.5	-3.6
SK2-535 50	326	1894116	3500	3.3	23.008	16	0.069	16.6	0.012	4.5	0.272	74.0	3.3	67.9	10.9	142.1	397.2	47.9
SK2-535 51	176	1020253	3500	1.64	21.360	17.3	0.063	17.6	0.010	3.6	0.206	62.9	2.3	62.3	10.7	38.8	413.6	-62.1
SK2-535 52	130	756999	3500	2.42	21.868	14.9	0.170	15.4	0.027	3.9	0.255	172.0	6.7	159.7	22.8	17.7	361	-871.8
SK2-535 53	69	402464	3500	5.09	20.776	17.3	0.112	18.3	0.017	6.2	0.335	107.6	6.6	107.5	18.7	104.8	408.8	-2.7
SK2-535 54	257	1493723	96611	3.29	17.638	3.6	0.599	5	0.077	3.5	0.696	476.0	16	476.5	19	478.8	79.3	0.6
SK2-535 56	178	1031718	3500	1.8	22.435	16.6	0.061	17.2	0.010	4.5	0.263	63.5	2.9	59.9	10	80.0	407.2	20.6
SK2-535 57	412	2388347	41572	3.53	20.422	6.8	0.060	7.9	0.009	4	0.507	56.7	2.3	58.8	4.5	145.1	160.3	60.9
SK2-535 58	156	903448	3500	2.45	22.705	16.4	0.090	17	0.015	4.4	0.262	94.7	4.2	87.4	14.2	109.4	403.9	13.4
SK2-535 59	271	1572279	3500	1.96	22.179	15.8	0.065	16	0.010	3	0.186	67.1	2	63.9	9.9	52.0	384.3	-29.0
SK2-535 6	44	255546	3500	3.03	18.865	19.8	0.097	21.1	0.013	7.1	0.339	85.2	6	94.2	19	328.2	450.8	74.0
SK2-535 60	287	1666866	14281	1.7	20.805	6.7	0.093	7.2	0.014	2.6	0.357	90.1	2.3	90.5	6.2	101.4	159.4	11.1
SK2-535 61	533	3091512	3500	3.11	21.879	14.2	0.171	14.4	0.027	2.5	0.174	173.0	4.3	160.6	21.3	18.9	342.7	-815.3
SK2-535 62	301	1744394	3500	3.54	21.738	14.3	0.193	15.1	0.030	4.9	0.326	193.0	9.4	178.9	24.8	3.4	345.5	-5576.5
SK2-535 63	603	3501897	85669	2.15	20.035	3.8	0.212	5.7	0.031	4.3	0.748	195.4	8.3	195.0	10.2	189.9	88.7	-2.9
SK2-535 64	625	3625636	43321	4.02	20.479	3	0.208	4.4	0.031	3.2	0.734	196.3	6.2	192.0	7.7	138.7	70.2	-41.5
SK2-535 65	885	5138685	61487	2.47	21.475	5.2	0.054	6.1	0.008	3.2	0.523	54.3	1.7	53.7	3.2	26.0	125.8	-108.8
SK2-535 66	155	900045	3500	2.57	22.753	17.9	0.065	18.7	0.011	5.1	0.272	68.7	3.5	63.9	11.5	114.6	443	40.1
SK2-535 67	75	434597	3500	2.51	19.234	20.8	0.095	21.9	0.013	6.8	0.31	85.0	5.7	92.2	19.3	284.0	476.7	70.1
SK2-535 68	96	555362	40150	2.52	19.816	7	0.166	9.6	0.024	6.5	0.68	152.1	9.8	156.0	13.9	215.5	162.9	29.4
SK2-535 69	1769	1E+07	84151	3.61	21.211	2.9	0.076	3.8	0.012	2.4	0.634	75.1	1.8	74.5	2.7	55.5	69.7	-35.3
SK2-535 7	636	3691784	26091	1.21	20.843	3.8	0.194	4.8	0.029	3	0.621	186.1	5.5	179.8	7.9	97.1	89.1	-91.7
SK2-535 70	217	1260266	26386	5.44	21.421	7.5	0.094	8.6	0.015	4.2	0.489	93.3	3.9	91.0	7.5	32.0	180.1	-191.6
SK2-535 71	701	4066370	18344	1.86	20.869	6.8	0.044	7.3	0.007	2.6	0.359	43.0	1.1	43.9	3.2	94.2	162.1	54.4

SK2-535 72	225	1304970	3500	1.95	22.218	15.7	0.084	16.1	0.014	3.5	0.217	86.6	3	81.8	12.6	56.3	382.4	-53.8
SK2-535 73	427	2479114	3500	2.98	17.516	16.4	0.137	17.2	0.017	5.3	0.308	111.6	5.9	130.7	21.1	494.0	361.9	77.4
SK2-535 74	81	472119	3500	12.58	20.179	15.7	0.071	16.7	0.010	5.6	0.337	66.2	3.7	69.2	11.2	173.2	367.7	61.8
SK2-535 75	142	823542	3500	2.35	22.342	17	0.090	17.7	0.015	4.9	0.277	92.9	4.5	87.1	14.8	69.9	416.1	-32.9
SK2-535 76	343	1991164	3500	2.23	22.808	16.1	0.057	16.5	0.010	3.5	0.215	61.0	2.1	56.7	9.1	120.5	398.5	49.4
SK2-535 77	465	2699641	3500	1.14	22.041	14.4	0.167	14.7	0.027	2.9	0.194	169.9	4.8	156.8	21.4	36.8	350.5	-361.7
SK2-535 78	136	788782	3500	2.46	22.724	15.5	0.082	16.4	0.014	5.3	0.324	86.6	4.6	80.1	12.6	111.5	381.7	22.3
SK2-535 79	238	1378756	3500	3.18	22.005	14.9	0.161	15.3	0.026	3.3	0.217	163.3	5.3	151.3	21.5	32.8	362	-397.9
SK2-535 8	1090	6328157	148537	3.2	19.981	2.7	0.164	4.3	0.024	3.4	0.788	151.5	5.1	154.3	6.2	196.1	61.7	22.7
SK2-535 80	611	3544296	3500	3.22	22.723	14.7	0.083	14.9	0.014	2.2	0.145	87.2	1.9	80.5	11.5	111.3	362.4	21.7
SK2-535 81	402	2335520	154504	1.88	9.464	2.3	4.011	4.8	0.275	4.2	0.875	1568.3	59	1636.4	39.4	1725.0	43.1	9.1
SK2-535 82	674	3913323	42456	2.67	21.351	5.9	0.059	6.6	0.009	2.8	0.432	58.1	1.6	57.7	3.7	39.8	141.5	-46.0
SK2-535 84	344	1996651	15125	2.78	20.629	6.4	0.108	7.1	0.016	3	0.43	103.4	3.1	104.1	7	121.5	150.1	14.9
SK2-535 85	204	1183148	3500	5.7	21.771	16.5	0.071	17.5	0.011	5.6	0.32	71.8	4	69.6	11.7	7.0	400	-925.7
SK2-535 86	297	1720932	3500	3.23	22.017	15.7	0.043	16.3	0.007	4.4	0.27	44.1	1.9	42.8	6.8	34.1	380.5	-29.3
SK2-535 88	289	1678263	3500	2.87	21.680	9.4	0.200	9.7	0.032	2.4	0.243	200.0	4.7	185.4	16.5	3.1	227	-6351.6
SK2-535 89	260	1510077	3500	2.54	21.750	15.3	0.097	15.5	0.015	2.7	0.173	98.3	2.6	94.4	14	4.7	369.3	-1991.5
SK2-535 90	95	550509	23160	2.54	20.990	10.1	0.093	11.4	0.014	5.2	0.46	90.6	4.7	90.2	9.8	80.5	239.9	-12.5
SK2-535 91	76	441320	3500	2.43	21.459	16.3	0.146	17.6	0.023	6.6	0.376	144.7	9.4	138.2	22.7	27.8	390.8	-420.5
SK2-535 92	71	410680	3500	3.52	20.984	18.2	0.130	19.1	0.020	6	0.312	126.1	7.5	123.9	22.3	81.1	432.4	-55.5
SK2-535 93	92	533191	3500	3.27	22.076	17.3	0.071	18.5	0.011	6.6	0.355	72.8	4.8	69.5	12.5	40.6	421.8	-79.3
SK2-535 94	412	2390782	16757	3.31	21.202	6.2	0.058	7.4	0.009	3.9	0.53	57.2	2.2	57.1	4.1	56.6	148.8	-1.1
SK2-535 95	628	3647122	3500	2.83	22.065	14.8	0.056	15.3	0.009	3.8	0.246	57.0	2.1	54.8	8.1	39.4	359.5	-44.7
SK2-535 96	217	1259058	3500	2.25	22.363	15.8	0.086	16.3	0.014	4	0.246	89.5	3.6	83.9	13.1	72.2	385.7	-24.0
SK2-535 97	166	963168	3500	2.07	22.809	16	0.091	16.7	0.015	4.7	0.28	95.9	4.5	88.1	14.1	120.7	396.4	20.5
SK2-535 98	912	5293132	3500	4.95	23.076	15.5	0.048	15.6	0.008	1.8	0.114	51.6	0.9	47.6	7.3	149.4	385.8	65.5
SK2-535 99	236	1367123	19999	2.73	21.276	8.2	0.086	9.6	0.013	4.9	0.516	84.8	4.2	83.6	7.7	48.3	195.8	-75.6

TABLE S2: SK2-535CA (lower Kulthieth Formation) CA-LA-ICP-MS U-Pb ZIRCON GEOCHRONOLOGY

Zircon #	U (ppm)	²³⁸ U cps	²⁰⁶ Pb/ ²⁰⁴ Pb	U/Th	²⁰⁶ Pb/ ²⁰⁷ Pb	2σ (%)	²⁰⁷ Pb/ ²³⁵ U (%)	2σ (%)	²⁰⁶ Pb/ ²³⁸ U (%)	2σ (%)	Error Corr.	²⁰⁶ Pb/ ²³⁸ U (Ma)	2σ (Ma)	²⁰⁷ Pb/ ²³⁵ U (Ma)	2σ (Ma)	²⁰⁶ Pb/ ²⁰⁷ Pb (Ma)	2σ (Ma)	% Disc.
Composition												Ages						
SK2-535CA 1	412	1307385	10147	2.68	22.565	5.6	0.042	7.7	0.0068	5.2	0.682	43.7	2.3	41.3	3.1	0.0	0.0	NA
SK2-535CA 10	623	1975791	320614	4.04	20.533	2.2	0.101	3.9	0.0150	3.2	0.822	96.1	3	97.6	3.6	132.5	51.9	27.5
SK2-535CA 100	399	1265055	23374	2.18	21.362	4.9	0.085	7.7	0.0131	5.9	0.77	84.1	5	82.5	6.1	38.5	117.8	-118.4
SK2-535CA 101	231	733619	34991	2.12	20.664	4.9	0.099	8.9	0.0148	7.4	0.837	94.8	7	95.6	8.1	117.5	114.3	19.3
SK2-535CA 102	319	1009844	85541	3.78	20.715	4.6	0.072	5.4	0.0108	2.7	0.504	69.1	1.9	70.4	3.7	111.7	109.6	38.1
SK2-535CA 103	551	1747573	158985	2.44	20.901	2.6	0.097	4	0.0147	3.1	0.763	94.0	2.9	93.9	3.6	90.5	61.5	-3.9
SK2-535CA 104	325	1031140	66915	2.39	20.538	3.9	0.079	5.5	0.0117	4	0.718	75.1	3	76.8	4.1	131.9	90.7	43.1
SK2-535CA 105	182	575834	11071	1.73	20.961	5.2	0.142	9.8	0.0216	8.3	0.849	137.6	11.3	134.7	12.3	83.7	122.7	-64.4
SK2-535CA 106	91	287950	20580	2.33	21.250	5.1	0.164	7.9	0.0253	6.1	0.764	161.0	9.6	154.2	11.3	51.2	121.9	-214.5
SK2-535CA 108	1265	4012100	25528	1.33	19.830	3.4	0.057	4.8	0.0082	3.5	0.712	52.4	1.8	56.0	2.6	213.8	78.8	75.5
SK2-535CA 109	456	1446529	315103	2.68	20.326	4	0.076	4.6	0.0112	2.4	0.515	71.9	1.7	74.4	3.3	156.2	92.8	54.0
SK2-535CA 11	109	346625	7222	3.57	20.356	6.7	0.169	8.7	0.0250	5.6	0.641	158.8	8.8	158.5	12.8	152.7	157.1	-4.0
SK2-535CA 110	283	898745	85448	3.08	20.084	3.2	0.186	7.1	0.0270	6.4	0.894	172.0	10.8	172.8	11.3	184.2	74.5	6.6
SK2-535CA 111	430	1361829	110803	1.94	20.173	2.5	0.156	4.2	0.0229	3.3	0.795	145.9	4.8	147.5	5.7	173.9	59.0	16.1
SK2-535CA 112	458	1451940	108337	4.31	21.693	3.8	0.072	5.5	0.0114	3.9	0.717	72.8	2.9	70.7	3.8	1.6	92.5	-4450.0
SK2-535CA 113	167	529808	42853	2.67	20.151	3.4	0.213	6.1	0.0311	5.1	0.83	197.5	9.9	195.9	10.9	176.5	79.7	-11.9
SK2-535CA 114	270	855509	65074	3.12	20.467	5	0.096	6.7	0.0143	4.6	0.678	91.6	4.2	93.4	6	140.0	116.4	34.6
SK2-535CA 115	111	353277	5446	2.82	21.069	6.8	0.076	8.7	0.0117	5.5	0.63	74.8	4.1	74.7	6.3	71.6	160.8	-4.5
SK2-535CA 116	615	1949049	44367	1.95	20.483	4.1	0.046	5.8	0.0068	4.1	0.714	43.6	1.8	45.3	2.6	138.2	95.2	68.5
SK2-535CA 117	393	1245161	18276	3.8	21.948	5.4	0.058	8.6	0.0093	6.7	0.776	59.5	4	57.5	4.8	26.6	131.5	-123.7
SK2-535CA 118	414	1312933	12997	5	21.783	4.7	0.069	5.8	0.0109	3.4	0.583	69.8	2.4	67.7	3.8	8.3	114.6	-741.0
SK2-535CA 119	144	456144	4287	2.47	22.380	9.2	0.050	10.5	0.0081	5.2	0.494	52.2	2.7	49.6	5.1	74.0	224.3	29.5
SK2-535CA 12	224	708812	13442	2.6	21.730	6.3	0.054	8.1	0.0086	5.1	0.634	54.9	2.8	53.6	4.2	2.4	151.2	-2187.5
SK2-535CA 120	386	1223966	7349	2.96	20.702	6.5	0.044	9.5	0.0067	6.9	0.731	42.9	3	44.1	4.1	113.2	152.6	62.1
SK2-535CA 121	441	1398571	105971	2.9	20.578	4.9	0.092	6.1	0.0137	3.5	0.582	87.8	3.1	89.2	5.2	127.3	116.3	31.0
SK2-535CA 122	501	1588363	20708	2.88	21.876	4.5	0.055	5.9	0.0087	3.9	0.649	56.1	2.2	54.4	3.2	18.6	109.5	-201.6
SK2-535CA 123	102	322889	6662	3.41	21.061	6.4	0.108	9.3	0.0164	6.8	0.729	105.0	7.1	103.7	9.2	72.4	151.6	-45.0
SK2-535CA 124	154	489120	57323	1.92	21.400	6.2	0.078	7.2	0.0121	3.8	0.522	77.7	2.9	76.4	5.3	34.3	148.0	-126.5
SK2-535CA 125	847	2684009	19311	1.65	21.155	4.5	0.055	7.1	0.0084	5.4	0.766	54.1	2.9	54.3	3.7	61.8	108.3	12.5
SK2-535CA 126	717	2274720	21912	1.84	21.574	3.8	0.053	4.5	0.0083	2.3	0.528	53.4	1.2	52.6	2.3	14.9	90.9	-258.4
SK2-535CA 127	83	264453	34391	2.21	20.894	7.7	0.079	10.7	0.0120	7.5	0.698	76.8	5.7	77.3	8	91.4	182.2	16.0
SK2-535CA 128	680	2154520	777819	1.34	20.650	3.8	0.084	4.9	0.0125	3.1	0.635	80.2	2.5	81.4	3.8	119.1	88.6	32.7
SK2-535CA 129	193	612121	6756	2.36	20.047	7	0.056	9.5	0.0081	6.5	0.68	52.1	3.4	55.1	5.1	188.5	162.5	72.4
SK2-535CA 13	111	350681	9272	2.88	20.358	7	0.104	9.2	0.0153	6	0.652	97.8	5.8	100.0	8.8	152.5	163.3	35.9
SK2-535CA 133	215	682332	11074	2.57	20.502	4.8	0.083	8	0.0124	6.4	0.798	79.3	5	81.2	6.3	136.0	113.6	41.7
SK2-535CA 134	151	478025	102268	1.75	21.157	6.6	0.072	9.2	0.0111	6.4	0.699	71.0	4.5	70.7	6.3	61.6	156.6	-15.3
SK2-535CA 135	116	368443	56596	1.83	21.956	8.3	0.061	10.6	0.0097	6.5	0.618	62.0	4	59.8	6.1	27.4	201.3	-126.3
SK2-535CA 136	448	1420560	174768	2.47	21.248	4.2	0.078	7.2	0.0120	5.9	0.815	76.6	4.5	75.9	5.3	51.3	100.3	-49.3
SK2-535CA 137	1209	3834520	147227	5.53	20.740	2.1	0.080	3.6	0.0120	3	0.815	77.2	2.3	78.2	2.7	108.8	49.8	29.0
SK2-535CA 14	301	954884	34421	2.23	22.474	5.1	0.078	6.9	0.0128	4.7	0.68	81.8	3.8	76.5	5.1	0.0	0.0	NA
SK2-535CA 140	467	1479685	25501	1.51	21.858	4.4	0.057	6.1	0.0090	4.2	0.689	57.6	2.4	55.9	3.3	16.6	106.0	-247.0
SK2-535CA 142	920	2918355	29624	7.76	21.418	3.3	0.057	4.8	0.0088	3.4	0.715	56.3	1.9	55.8	2.6	32.4	79.8	-73.8
SK2-535CA 144	159	504148	198804	3.24	18.169	2.3	0.498	6.1	0.0657	5.7	0.926	410.1	22.5	410.5	20.7	412.7	51.6	0.6
SK2-535CA 145	128	404948	10935	2.44	21.480	6.1	0.130	7.6	0.0203	4.5	0.594	129.3	5.8	124.1	8.9	25.4	146.4	-409.1
SK2-535CA 146	129	407942	4825	1.49	23.138	8.6	0.077	9.9	0.0128	4.9	0.496	82.3	4	74.9	7.1	0.0	0.0	NA
SK2-535CA 147	397	1257355	18252	3.82	20.867	5.1	0.058	6.3	0.0088	3.7	0.587	56.4	2.1	57.3	3.5	94.4	120.7	40.3
SK2-535CA 148	389	1233532	46268	3.13	20.748	5	0.053	6.6	0.0080	4.3	0.656	51.1	2.2	52.3	3.3	107.9	117.0	52.6
SK2-535CA 149	990	3139224	461337	4.59	21.563	2.8	0.052	4.1	0.0082	3.1	0.744	52.6	1.6	51.8	2.1	16.2	66.6	-224.7
SK2-535CA 15	216	684248	24190	1.48	21.404	5.7	0.060	7.2	0.0093	4.4	0.617	59.4	2.6	58.8	4.1	33.9	135.6	-75.2
SK2-535CA 150	280	886665	57439	1.71	20.293	6.9	0.063	7.9	0.0093	3.8	0.485	59.9	2.3	62.4	4.8	160.0	161.6	62.6
SK2-535CA 152	988	3132878	346583	3.7	20.833	2.9	0.125	5.1	0.0189	4.2	0.819	120.9	5	119.8	5.8	98.3	69.3	-23.0
SK2-535CA 153	154	487560	3365	3.12	22.143	6.7	0.079	8.5	0.0127	5.2	0.612	81.3	4.2	77.2	6.3	48.0	162.8	-69.4
SK2-535CA 154	84	266980	7657	1.84	21.181	6.6	0.121	9.3	0.0186	6.5	0.7	118.9	7.7	116.1	10.2	58.9	158.5	-101.9
SK2-535CA 155	155	492187	122606	2.37	20.946	3.8	0.164	6.2	0.0249	4.9	0.791	158.6	7.7	154.1	8.9	85.4	90.0	-85.7
SK2-535CA 158	151	478122	1967	4.71	22.838	16	0.055	17.1	0.0091	6	0.352	58.1	3.5	54.0	9	123.7	394.4	53.0
SK2-535CA 159	233	738145	14606	2.17	21.518	5.1	0.093	6.5	0.0145	3.9	0.604	92.8	3.6	90.2	5.6	21.2	123.5	-337.7
SK2-535CA 16	636	2015718	73730	3.62	20.966	3.5	0.079	4.6	0.0120	2.9	0.642	77.1	2.2	77.3	3.4	83.2	82.9	7.3
SK2-535CA 160	264	836275	12191	24.31	21.748	4.4	0.091	5.6	0.0144	3.4	0.613	91.9	3.1	88.4	4.8	4.4	107.1	-1988.6
SK2-535CA 161	785	2488822	192005	4.29	20.590	3.4	0.070	4.6	0.0105	3.2	0.689	67.5	2.1	69.1	3.1	125.9	79.1	46.4
SK2-535CA 163	848	2687712	848447	1.89	20.538	3.1	0.108	5	0.0161	3.9	0.785	103.1	4	104.3	4.9	131.9	72.5	21.8
SK2-535CA 164	248	787733	11261	2.57	20.755	5.8	0.069	6.9	0.0104	3.9	0.556	66.8	2.6	67.9	4.6	107.2	136.1	37.7
SK2-535CA 165	201	637773	42818	3.6	21.606	6	0.060	7.5	0.0095	4.5	0.597	60.7	2.7	59.5	4.3	11.3	144.3	-437.2
SK2-535CA 166	166	524940	7425	3.17	23.236	6.6	0.062	8.5	0.0105	5.4	0.632	67.3	3.6	61.3	5.1	0.0	0.0	NA
SK2-535CA 167	469	1485843	166077	1.92	20.													

SK2-535CA 179	339	1076133	8608	2.89	20.382	6.2	0.045	9.5	0.0067	7.1	0.751	43.1	3.1	45.0	4.2	149.8	146.5	71.2
SK2-535CA 18	228	723812	54016	2.08	19.943	2.8	0.314	4.1	0.0455	3.1	0.741	286.7	8.6	277.5	10.1	200.6	64.7	-42.9
SK2-535CA 180	224	709922	16987	2.62	21.168	5.7	0.056	8.7	0.0086	6.7	0.761	55.1	3.7	55.2	4.7	60.3	135.3	8.6
SK2-535CA 181	99	312876	22499	3.95	18.931	8.2	0.101	9.6	0.0138	5	0.519	88.4	4.4	97.3	8.9	320.2	186.2	72.4
SK2-535CA 184	288	913521	20890	5.67	21.334	4.8	0.081	6.2	0.0126	3.9	0.639	80.7	3.2	79.5	4.7	41.7	113.7	-93.5
SK2-535CA 185	265	841216	53543	2.17	20.362	3.4	0.177	7.3	0.0262	6.5	0.884	166.6	10.6	165.7	11.2	152.0	80.2	-9.6
SK2-535CA 186	94	299494	3394	2.11	23.341	10.6	0.106	13	0.0180	7.7	0.587	114.8	8.7	102.4	12.7	0.0	0.0	NA
SK2-535CA 187	667	2113916	272282	2.95	20.198	3.1	0.093	4.4	0.0137	3	0.695	87.5	2.6	90.6	3.8	171.0	73.0	48.8
SK2-535CA 188	418	1324225	91665	1.7	20.624	2.4	0.150	4	0.0225	3.2	0.808	143.4	4.6	142.2	5.3	122.0	55.4	-17.5
SK2-535CA 189	225	713875	340033	1.42	19.811	5.3	0.096	7.2	0.0138	4.9	0.677	88.2	4.3	92.9	6.4	216.0	122.5	59.2
SK2-535CA 19	243	770532	187343	2.62	18.079	1.7	0.553	4.9	0.0726	4.6	0.941	451.5	20.2	447.0	17.8	423.9	37.2	-6.5
SK2-535CA 191	286	906774	11083	4.37	21.908	4.7	0.059	6.4	0.0093	4.3	0.676	59.7	2.6	57.8	3.6	22.1	114.7	-170.1
SK2-535CA 192	143	453311	4449	2.08	22.143	6.7	0.109	8.1	0.0175	4.6	0.563	112.0	5.1	105.1	8.1	48.0	163.1	-133.3
SK2-535CA 193	290	919423	71903	2.41	20.514	5.9	0.055	9.9	0.0082	7.9	0.804	52.6	4.2	54.4	5.2	134.6	138.2	60.9
SK2-535CA 194	168	532429	3631	3.56	22.264	9	0.084	10.1	0.0135	4.6	0.458	86.7	4	81.7	8	61.4	219.6	-41.2
SK2-535CA 195	591	1874360	27069	1.98	20.660	3	0.097	4.3	0.0145	3	0.711	92.7	2.8	93.7	3.8	117.9	71.1	21.4
SK2-535CA 197	374	1187350	12743	1.64	22.219	3.8	0.061	5.3	0.0098	3.7	0.706	63.1	2.3	60.1	3.1	0.0	0.0	NA
SK2-535CA 198	282	892591	62622	3.67	20.078	4.8	0.095	6	0.0139	3.6	0.603	89.0	3.2	92.6	5.3	184.9	112.0	51.9
SK2-535CA 20	668	2119437	106503	7.47	21.380	2.6	0.085	3.7	0.0132	2.7	0.722	84.5	2.2	82.9	2.9	36.5	61.3	-131.5
SK2-535CA 200	358	1135283	28430	2.53	20.518	4.3	0.056	6.3	0.0083	4.5	0.722	53.1	2.4	54.9	3.3	134.2	101.7	60.4
SK2-535CA 202	162	513213	9750	3.2	22.435	6.4	0.090	9.3	0.0146	6.7	0.719	93.5	6.2	87.2	7.7	0.0	0.0	NA
SK2-535CA 203	200	632880	6267	3.5	20.914	5.4	0.100	7.2	0.0151	4.7	0.655	96.7	4.5	96.4	6.6	89.1	129.0	-8.5
SK2-535CA 204	305	968602	72129	2.53	22.031	4.7	0.094	6.9	0.0150	5	0.735	95.7	4.8	90.8	6	35.7	113.1	-168.1
SK2-535CA 205	234	741956	20450	3.58	21.711	6.4	0.057	8	0.0089	4.9	0.611	57.1	2.8	55.8	4.4	0.3	153.4	-18933.3
SK2-535CA 207	2036	6456340	1978539	33.16	20.907	2.3	0.067	3.8	0.0102	3	0.787	65.4	1.9	66.1	2.4	89.8	54.9	27.2
SK2-535CA 208	155	490546	2230	2.62	23.735	14.3	0.048	14.9	0.0083	4.1	0.277	53.0	2.2	47.5	6.9	0.0	0.0	NA
SK2-535CA 209	245	777516	69053	2.39	20.789	3.4	0.138	5.1	0.0208	3.9	0.748	132.9	5.1	131.4	6.3	103.2	80.8	-28.8
SK2-535CA 21	1241	3933644	31914	1.46	20.891	3.5	0.060	4.2	0.0092	2.3	0.55	58.8	1.4	59.6	2.4	91.7	83.6	35.9
SK2-535CA 210	183	580132	295954	2.11	20.544	5.1	0.087	7.6	0.0130	5.7	0.741	83.4	4.7	85.0	6.2	131.2	120.7	36.4
SK2-535CA 211	561	1777680	42882	2.75	21.433	3.4	0.088	4.5	0.0137	2.9	0.643	87.8	2.5	85.8	3.7	30.7	81.9	-186.0
SK2-535CA 213	163	515739	57486	4.44	20.101	3.2	0.214	6.4	0.0312	5.6	0.866	197.9	10.9	196.7	11.5	182.2	75.1	-8.6
SK2-535CA 215	228	724184	7526	1.46	19.327	6.4	0.058	7.6	0.0081	4.1	0.537	51.9	2.1	56.9	4.2	273.0	147.1	81.0
SK2-535CA 218	92	292684	4119	2.21	21.684	9.1	0.092	11.3	0.0145	6.8	0.598	92.7	6.2	89.4	9.7	2.6	218.8	-3465.4
SK2-535CA 219	124	394466	9058	3.14	22.881	6.8	0.073	11.4	0.0121	9.1	0.802	77.4	7	71.3	7.9	0.0	0.0	NA
SK2-535CA 22	1285	4073515	75596	6.63	21.388	1.5	0.080	2.8	0.0125	2.4	0.85	80.0	1.9	78.5	2.1	35.6	35.5	-124.7
SK2-535CA 220	372	1180655	12090	1.92	19.975	5.5	0.046	6.9	0.0067	4.1	0.601	43.2	1.8	46.0	3.1	196.8	127.4	78.0
SK2-535CA 221	393	1247595	27192	2.08	20.505	4.6	0.055	7.4	0.0082	5.8	0.785	52.5	3	54.3	3.9	135.7	107.3	61.3
SK2-535CA 222	248	786869	16189	2.85	21.236	5.6	0.084	7.2	0.0129	4.5	0.626	82.8	3.7	81.8	5.7	52.7	134.6	-57.1
SK2-535CA 223	952	3017896	72388	1.77	21.580	3.3	0.073	4.3	0.0115	2.8	0.654	73.7	2.1	72.0	3	14.2	78.3	-419.0
SK2-535CA 224	113	357975	15742	3.71	20.277	3.8	0.232	7.2	0.0342	6.1	0.852	216.5	13	211.9	13.8	161.9	88.0	-33.7
SK2-535CA 225	230	729449	7758	3.49	22.946	6.1	0.056	11.4	0.0093	9.6	0.843	59.4	5.7	54.9	6.1	0.0	0.0	NA
SK2-535CA 226	511	1621000	243253	2.28	21.216	2.1	0.133	3.3	0.0204	2.5	0.763	130.4	3.2	126.5	3.9	55.0	50.5	-137.1
SK2-535CA 227	446	1413719	124769	2.66	21.004	4.9	0.052	7.6	0.0079	5.9	0.768	50.6	3	51.2	3.8	78.9	116.0	35.9
SK2-535CA 228	464	1469609	33897	2.36	20.712	3.5	0.055	4.6	0.0083	3	0.642	53.1	1.6	54.4	2.4	112.0	83.7	52.6
SK2-535CA 229	92	292441	113534	2.5	20.882	7.9	0.064	10.1	0.0096	6.3	0.625	61.7	3.9	62.5	6.1	92.7	186.2	33.4
SK2-535CA 231	126	398574	3992	2.41	20.946	8.8	0.097	10.2	0.0147	5	0.494	93.9	4.7	93.5	9.1	85.4	209.7	-10.0
SK2-535CA 232	700	2219017	17031	3.03	21.254	3.4	0.052	4.9	0.0080	3.5	0.718	51.3	1.8	51.3	2.5	50.6	81.4	-1.4
SK2-535CA 233	105	334214	2988	3.4	22.110	10.8	0.066	12.1	0.0107	5.4	0.446	68.3	3.7	65.3	7.6	44.4	262.4	-53.8
SK2-535CA 234	198	628735	18074	3.35	19.527	3.8	0.203	5.1	0.0288	3.4	0.661	182.8	6.1	187.7	8.7	249.3	87.8	26.7
SK2-535CA 235	343	1088273	27881	1.72	20.593	4.2	0.069	5.6	0.0102	3.8	0.677	65.6	2.5	67.3	3.7	125.6	97.8	47.8
SK2-535CA 236	1052	3336954	1287340	1.24	18.606	1.1	0.418	2	0.0564	1.7	0.839	353.6	5.8	354.4	6	359.4	24.7	1.6
SK2-535CA 237	441	1398694	10687	3	21.908	5	0.071	5.9	0.0113	3.1	0.53	72.3	2.2	69.6	4	22.2	120.8	-225.7
SK2-535CA 238	369	1170621	159075	1.2	20.052	2	0.181	3.4	0.0264	2.8	0.81	167.7	4.6	169.0	5.4	187.9	46.9	10.8
SK2-535CA 239	231	731770	32473	2.53	20.592	3.3	0.149	4.7	0.0223	3.4	0.719	142.3	4.7	141.3	6.2	125.7	76.6	-13.2
SK2-535CA 24	296	939699	31630	2.77	21.418	5.1	0.075	6.6	0.0117	4.1	0.625	75.0	3.1	73.7	4.7	32.4	122.7	-131.5
SK2-535CA 240	616	1952015	120905	1.99	21.325	2.9	0.093	5	0.0144	4	0.811	91.9	3.7	90.1	4.3	42.7	69.7	-115.2
SK2-535CA 241	149	471833	20790	2.03	21.004	7.4	0.057	10.5	0.0086	7.4	0.704	55.4	4.1	55.9	5.7	78.8	176.3	29.7
SK2-535CA 242	478	1516780	37342	5.29	21.381	5	0.060	6.5	0.0093	4.2	0.64	59.5	2.5	59.0	3.8	36.4	120.3	-63.5
SK2-535CA 243	546	1729842	63310	2.32	18.427	1.1	0.464	2.4	0.0621	2.2	0.899	388.1	8.1	387.1	7.7	381.2	23.6	-1.8
SK2-535CA 244	279	885968	80787	1.84	19.816	2.9	0.228	7.2	0.0327	6.6	0.915	207.6	13.4	208.2	13.5	215.4	67.1	3.6
SK2-535CA 245	143	454610	48203	2.14	20.865	6.1	0.134	7.7	0.0203	4.7	0.614	129.3	6.1	127.5	9.2	94.6	144.0	-36.7
SK2-535CA 246	214	677880	22215	1.98	20.807	4.3	0.135	6.4	0.0204	4.8	0.747	130.2	6.2	128.7	7.8	101.1	101.0	-28.8
SK2-535CA 247	1593	5050323	104418	1.9	21.064	2.3	0.052	3.4	0.0080	2.5	0.734	51.4	1.3	51.8	1.7	72.1	55.4	28.7
SK2-535CA 248	365	1157268	11907	1.99	16.083	11.8	0.060	12.7	0.0070	4.7	0.368	45.2	2.1	59.5	7.3	679.3	252.3	93.3
SK2-535CA 249	229	724798	38655	2.35	19.928	4.5	0.092	7	0.0134	5.4	0.768	85.5	4.6	89.6	6	202.3	104.6	57.7
SK2-535CA 25	431	1366451	133434	1.64	19.786	2.8	0.150	6	0.0215	5.3	0.887	137.1	7.2	141.7	7.9	218.8	63.9	37.3
SK2-535CA 250	176	55																

SK2-535CA 26	297	940257	82845	1.84	21.585	5.6	0.054	7.8	0.0085	5.4	0.694	54.4	2.9	53.5	4.1	13.6	135.6	-300.0
SK2-535CA 260	172	544896	13344	3.25	21.063	5.3	0.087	8.1	0.0133	6.2	0.758	85.1	5.2	84.7	6.6	72.2	126.3	-17.9
SK2-535CA 261	2486	7881901	320703	3.23	20.966	1.7	0.086	2.6	0.0132	2	0.75	84.2	1.6	84.2	2.1	83.2	40.9	-1.2
SK2-535CA 262	764	2423491	18374	1.69	21.561	2.5	0.084	4.2	0.0132	3.4	0.8	84.5	2.8	82.2	3.3	16.4	60.8	-415.2
SK2-535CA 263	184	582412	5521	2.19	19.623	7.5	0.086	8.6	0.0123	4.2	0.493	78.8	3.3	84.2	6.9	238.1	172.3	66.9
SK2-535CA 264	548	1737868	445700	2.17	20.132	3.6	0.087	4.9	0.0127	3.3	0.676	81.5	2.7	84.8	4	178.6	84.7	54.4
SK2-535CA 265	453	1437328	547659	2.9	21.019	3.2	0.085	4.9	0.0129	3.7	0.76	82.9	3.1	82.7	3.9	77.2	75.7	-7.4
SK2-535CA 266	169	535635	16578	2.2	22.312	6.3	0.071	9.3	0.0115	6.9	0.739	73.7	5	69.6	6.3	66.6	152.9	-10.7
SK2-535CA 267	864	2740838	345370	12.69	21.128	2.7	0.083	3.4	0.0128	2	0.587	81.6	1.6	81.1	2.6	64.9	64.7	-25.7
SK2-535CA 269	201	637939	47529	2.26	22.061	6.1	0.048	7.8	0.0077	4.8	0.624	49.6	2.4	47.9	3.6	39.0	147.3	-27.2
SK2-535CA 27	399	1266399	385340	0.75	20.301	3.2	0.147	4.7	0.0216	3.5	0.74	138.0	4.8	139.2	6.2	159.1	74.5	13.3
SK2-535CA 270	895	2837410	290631	2.43	21.321	3.3	0.075	7.9	0.0116	7.1	0.907	74.0	5.3	73.1	5.6	43.1	79.1	-71.7
SK2-535CA 271	326	1033345	436908	4.97	20.522	5.6	0.096	6.8	0.0143	3.9	0.568	91.6	3.5	93.2	6.1	133.7	132.2	31.5
SK2-535CA 272	188	596049	31942	3.47	21.389	6.5	0.055	8.2	0.0085	5	0.609	54.4	2.7	53.9	4.3	35.5	156.2	-53.2
SK2-535CA 273	351	1114174	108034	2.44	20.638	4	0.093	6.2	0.0139	4.7	0.761	89.0	4.2	90.1	5.3	120.4	94.3	26.1
SK2-535CA 274	580	1838435	110171	1.55	20.253	2.9	0.202	4.6	0.0296	3.5	0.771	188.2	6.6	186.5	7.8	164.6	68.3	-14.3
SK2-535CA 275	1381	4379026	97604	3.1	21.700	2.2	0.062	3.8	0.0098	3.1	0.825	62.6	2	61.1	2.3	0.9	51.9	-6855.6
SK2-535CA 277	185	586842	85574	3.59	19.733	4.7	0.101	6.8	0.0144	4.9	0.72	92.4	4.5	97.6	6.3	225.0	109.1	58.9
SK2-535CA 278	223	707736	344134	3.09	19.861	4.5	0.161	6.6	0.0231	4.9	0.738	147.4	7.1	151.1	9.3	210.1	103.5	29.8
SK2-535CA 279	348	1103773	90436	4.46	19.200	2.6	0.214	7	0.0297	6.4	0.925	188.9	12	196.5	12.4	288.1	60.4	34.4
SK2-535CA 28	222	704606	6246	1.81	22.751	7.8	0.063	9.2	0.0103	4.9	0.53	66.3	3.2	61.7	5.5	0.0	0.0	NA
SK2-535CA 280	167	530894	31710	2.13	21.032	6.1	0.075	8	0.0114	5.2	0.645	73.2	3.8	73.3	5.7	75.7	145.6	3.3
SK2-535CA 281	148	469735	3626	3.01	21.897	9.1	0.068	11.4	0.0108	6.9	0.602	69.1	4.7	66.6	7.4	21.0	220.5	-229.0
SK2-535CA 282	148	467889	77738	2.54	21.654	5.1	0.145	7.3	0.0228	5.1	0.709	145.4	7.4	137.7	9.3	6.0	123.2	-2323.3
SK2-535CA 284	1345	4264835	106989	2.3	21.055	2.7	0.050	6	0.0077	5.4	0.892	49.1	2.6	49.6	2.9	73.1	64.5	32.8
SK2-535CA 285	502	1592550	100343	3.11	20.893	3.5	0.067	4.8	0.0102	3.3	0.689	65.5	2.2	66.2	3.1	91.4	82.5	28.3
SK2-535CA 286	266	844046	117540	3.42	21.163	4.5	0.095	7.7	0.0146	6.2	0.807	93.2	5.8	92.0	6.8	60.9	108.4	-53.0
SK2-535CA 287	245	778108	8825	2.06	21.297	7.5	0.055	10	0.0085	6.6	0.662	54.7	3.6	54.5	5.3	45.9	180.1	-19.2
SK2-535CA 288	483	1531803	14087	2.09	20.723	3.5	0.103	5	0.0155	3.6	0.718	99.1	3.5	99.6	4.8	110.7	82.7	10.5
SK2-535CA 289	785	2487647	171726	1.43	20.823	4.3	0.044	8	0.0066	6.7	0.841	42.6	2.9	43.6	3.4	99.3	102.2	57.1
SK2-535CA 29	585	1854850	29175	3.21	21.186	2.9	0.088	4	0.0135	2.8	0.699	86.5	2.4	85.6	3.3	58.3	68.8	-48.4
SK2-535CA 291	305	967114	102940	3.85	19.726	3.3	0.193	5.1	0.0276	3.9	0.76	175.6	6.8	179.1	8.5	225.9	77.5	22.3
SK2-535CA 292	172	544582	27479	2.49	21.217	7.7	0.058	9.7	0.0089	5.8	0.599	57.3	3.3	57.3	5.4	54.8	184.5	-4.6
SK2-535CA 293	177	559775	14761	3.31	19.992	5.6	0.090	7.1	0.0131	4.4	0.612	83.8	3.6	87.7	6	194.9	131.3	57.0
SK2-535CA 294	699	2216814	710803	1.71	21.526	3.4	0.070	4.9	0.0109	3.5	0.723	69.8	2.5	68.4	3.2	20.3	81.3	-243.8
SK2-535CA 296	329	1044291	422894	3.73	20.401	3.5	0.109	5.4	0.0162	4.2	0.77	103.6	4.3	105.5	5.4	147.6	80.9	29.8
SK2-535CA 297	671	2128482	19843	1.84	21.206	3.8	0.055	4.8	0.0084	2.8	0.594	53.9	1.5	54.0	2.5	56.1	91.8	3.9
SK2-535CA 298	149	472704	156137	1.79	20.678	4.7	0.135	6.9	0.0202	5	0.723	128.8	6.3	128.2	8.3	115.9	111.6	-11.1
SK2-535CA 299	1202	3811912	23782	2.35	21.272	2.4	0.090	4.6	0.0139	4	0.861	88.7	3.5	87.3	3.9	48.7	56.3	-82.1
SK2-535CA 3	709	2247774	216579	2.25	18.462	1.3	0.408	3.3	0.0547	3	0.914	343.3	10	347.6	9.6	376.8	29.8	8.9
SK2-535CA 30	241	765524	17701	3	23.025	6.6	0.050	8.6	0.0084	5.6	0.65	54.1	3	49.9	4.2	0.0	0.0	NA
SK2-535CA 300	714	2263681	75422	2.95	21.452	2.8	0.057	3.7	0.0089	2.5	0.656	56.9	1.4	56.2	2	28.5	67.7	-99.6
SK2-535CA 301	329	1041826	40272	3.37	20.735	5.4	0.063	7.7	0.0095	5.5	0.716	61.0	3.4	62.2	4.7	109.4	127.4	44.2
SK2-535CA 302	278	882203	10672	4.11	21.031	5.2	0.055	7.3	0.0083	5.1	0.703	53.4	2.7	53.9	3.8	75.8	123.2	29.6
SK2-535CA 303	106	335445	16548	3.46	21.897	7.4	0.052	11.4	0.0083	8.7	0.765	53.3	4.6	51.8	5.8	20.9	178.1	-155.0
SK2-535CA 304	433	1372724	75644	3.1	19.674	2.1	0.213	3.6	0.0304	3	0.826	193.3	5.7	196.3	6.5	232.0	47.3	16.7
SK2-535CA 305	699	2215676	157513	2.86	21.127	3.7	0.087	7.7	0.0133	6.7	0.877	85.4	5.7	84.7	6.2	65.0	87.9	-31.4
SK2-535CA 306	290	918950	11997	1.69	22.054	5.1	0.073	7	0.0116	4.7	0.673	74.3	3.5	71.0	4.8	38.3	124.9	-94.0
SK2-535CA 307	248	785453	41326	2.57	20.341	3.8	0.151	5.7	0.0224	4.3	0.747	142.5	6	143.2	7.7	154.5	89.4	7.8
SK2-535CA 308	292	925948	104787	2.25	21.587	4.9	0.057	7.4	0.0089	5.5	0.749	57.4	3.2	56.4	4	13.4	117.2	-328.4
SK2-535CA 309	1084	3435858	75666	1.61	20.312	2.3	0.113	4.4	0.0166	3.7	0.851	106.4	4	108.6	4.5	157.8	54.1	32.6
SK2-535CA 31	643	2039003	236942	1.8	20.588	4	0.058	8.5	0.0087	7.5	0.884	55.9	4.2	57.5	4.7	126.1	93.1	55.7
SK2-535CA 310	64	203549	19717	3.48	21.247	6.6	0.169	9.7	0.0260	7.2	0.736	165.6	11.7	158.4	14.3	51.5	157.0	-221.6
SK2-535CA 311	207	655823	16230	2.13	18.725	6	0.064	7.7	0.0086	4.9	0.63	55.4	2.7	62.5	4.7	345.0	135.6	83.9
SK2-535CA 312	494	1566761	23307	2.26	21.563	3.1	0.088	4.8	0.0137	3.6	0.756	87.8	3.1	85.3	3.9	16.1	74.9	-445.3
SK2-535CA 313	245	777157	23303	6.41	20.102	4.2	0.080	6.5	0.0116	5	0.766	74.4	3.7	77.8	4.9	182.0	97.6	59.1
SK2-535CA 314	477	1511615	364454	2.56	21.211	3.4	0.089	6.4	0.0136	5.4	0.844	87.3	4.7	86.2	5.3	55.5	81.7	-57.3
SK2-535CA 315	908	2879246	196780	1.91	21.079	2.9	0.063	8	0.0096	7.4	0.931	61.4	4.5	61.6	4.8	70.4	69.5	12.8
SK2-535CA 33	244	774188	56867	3.14	20.799	3.5	0.158	4.7	0.0239	3.1	0.669	152.1	4.7	149.2	6.5	102.1	81.9	-49.0
SK2-535CA 34	76	239777	72126	2.59	22.243	7.3	0.115	10.3	0.0185	7.2	0.698	118.3	8.4	110.3	10.7	59.0	179.2	-100.5
SK2-535CA 35	543	1721893	9120	1.58	22.010	5.5	0.054	6.4	0.0086	3.2	0.503	55.4	1.8	53.5	3.3	33.4	134.3	-65.9
SK2-535CA 36	451	1429069	83469	2.5	20.789	2.3	0.163	3.4	0.0245	2.4	0.717	156.2	3.7	153.0	4.8	103.2	55.3	-51.4
SK2-535CA 37	882	2797887	38006	1.6	19.827	4.6	0.109	6.9	0.0156	5.2	0.748	99.9	5.1	104.6	6.9	214.1	106.6	53.3
SK2-535CA 38	137	435532	62853	2.36	20.701	5.1	0.160	7.2	0.0240	5.1	0.711	153.0	7.7	150.6	10.1	113.3	119.6	-35.0
SK2-535CA 39	657	2083981	13654	1.88	21.820	5.2	0.045	8.6	0.0071	6.9	0.798	45.6	3.1	44.6	3.8	12.4	125.4	-267.7
SK2-535CA 4	173	548247	25114	2.22	19.686	3.3	0.171	5.1	0.0245	3.9	0.764	155.7	5.9	160.4	7.5	230.6	75.3	32.5
SK2-535CA 40	174</																	

SK2-535CA 50	161	509245	7747	2.11	22.135	6.9	0.107	7.7	0.0173	3.4	0.446	110.2	3.8	103.6	7.6	47.1	168.6	-134.0
SK2-535CA 51	405	1284946	18045	62.57	21.263	5	0.058	6.3	0.0089	3.8	0.607	57.4	2.2	57.2	3.5	49.7	119.4	-15.5
SK2-535CA 52	99	315284	13310	1.45	21.354	4.8	0.150	6.4	0.0232	4.3	0.671	147.6	6.3	141.5	8.5	39.5	114.2	-273.7
SK2-535CA 53	629	1994365	57480	1.14	21.798	4.5	0.055	5.4	0.0087	3	0.559	55.8	1.7	54.4	2.9	10.0	108.0	-458.0
SK2-535CA 54	376	1193057	19641	1.53	20.668	4	0.137	5.4	0.0206	3.6	0.67	131.1	4.7	130.4	6.6	117.1	95.0	-12.0
SK2-535CA 55	186	589890	35324	2.13	20.095	5.9	0.075	8.4	0.0110	5.9	0.708	70.3	4.1	73.7	5.9	182.9	137.6	61.6
SK2-535CA 56	253	801300	6627	1.64	21.770	6.3	0.079	7.9	0.0124	4.8	0.604	79.7	3.8	77.0	5.9	6.9	152.0	-1055.1
SK2-535CA 57	377	1194443	14219	3.09	22.245	5	0.086	6	0.0139	3.3	0.547	88.9	2.9	83.8	4.8	59.2	122.4	-50.2
SK2-535CA 58	195	618392	240308	2.22	21.258	5.6	0.064	8.1	0.0098	5.8	0.721	63.0	3.6	62.7	4.9	50.3	133.3	-25.2
SK2-535CA 59	567	1796413	32607	0.75	20.769	5	0.058	5.6	0.0088	2.4	0.438	56.3	1.4	57.5	3.1	105.5	118.2	46.6
SK2-535CA 6	182	578080	128091	2.07	20.427	3	0.159	5.6	0.0236	4.7	0.841	150.5	7	150.1	7.8	144.6	71.3	-4.1
SK2-535CA 60	220	695982	39207	2.45	21.652	5.1	0.085	6.6	0.0134	4.3	0.642	85.8	3.6	83.1	5.3	6.2	122.2	-1283.9
SK2-535CA 61	544	1723401	84231	1.75	18.058	1.3	0.506	3.2	0.0664	2.9	0.911	414.1	11.7	416.0	10.9	426.5	29.4	2.9
SK2-535CA 62	412	1304868	304554	1.81	20.134	5.5	0.055	8.1	0.0080	5.9	0.731	51.6	3	54.4	4.3	178.4	128.5	71.1
SK2-535CA 63	160	507892	21766	2.56	22.876	4.8	0.068	6.7	0.0112	4.7	0.704	72.0	3.4	66.5	4.3	0.0	0.0	NA
SK2-535CA 64	540	1713436	35166	1.86	21.634	4.5	0.054	6.4	0.0085	4.5	0.707	54.2	2.5	53.2	3.3	8.2	109.3	-561.0
SK2-535CA 65	177	560774	12511	3.59	21.217	5	0.150	7.4	0.0231	5.5	0.74	147.0	8	141.8	9.8	54.9	119.2	-167.8
SK2-535CA 66	383	1212835	300535	3.86	20.489	4	0.057	5.3	0.0085	3.4	0.645	54.8	1.9	56.7	2.9	137.5	94.9	60.1
SK2-535CA 67	788	2497419	549812	2.08	20.507	1.4	0.191	3.1	0.0284	2.8	0.886	180.5	4.9	177.4	5.1	135.4	33.9	-33.3
SK2-535CA 68	110	349384	8841	2.41	21.653	6.3	0.107	8.8	0.0168	6.1	0.696	107.6	6.5	103.3	8.7	6.1	152.2	-1663.9
SK2-535CA 69	516	1634856	48759	2.21	21.320	4.3	0.053	5.2	0.0081	2.8	0.548	52.1	1.5	51.9	2.6	43.3	103.7	-20.3
SK2-535CA 7	315	999164	57939	2.03	20.305	2.3	0.199	3.7	0.0293	2.8	0.774	186.3	5.2	184.3	6.2	158.7	54.3	-17.4
SK2-535CA 70	182	578538	14443	2.63	21.258	7.7	0.059	9.1	0.0091	4.8	0.53	58.3	2.8	58.1	5.1	50.2	184.2	-16.1
SK2-535CA 71	657	2082370	34702	5.58	20.931	2.9	0.092	4.1	0.0140	3	0.722	89.7	2.7	89.6	3.6	87.1	68.1	-3.0
SK2-535CA 72	615	1950920	702171	1.25	20.663	2.6	0.082	4.5	0.0122	3.6	0.812	78.3	2.8	79.6	3.4	117.5	61.5	33.4
SK2-535CA 73	372	1179596	46953	1.88	15.161	9.6	0.113	10.4	0.0124	4	0.385	79.4	3.2	108.4	10.7	804.1	202.0	90.1
SK2-535CA 74	397	1259594	10305	3.44	21.244	4.6	0.069	6.8	0.0106	5	0.737	68.2	3.4	67.7	4.4	51.8	109.0	-31.7
SK2-535CA 75	874	2772357	1089730	7.14	21.036	2.4	0.087	3.8	0.0133	2.9	0.771	84.9	2.5	84.5	3.1	75.3	57.1	-12.7
SK2-535CA 76	551	1746982	42732	2.52	21.648	4.3	0.050	5.6	0.0079	3.6	0.639	50.9	1.8	50.0	2.7	6.6	103.3	-671.2
SK2-535CA 77	315	998312	226637	1.8	20.557	4.1	0.109	6.4	0.0162	4.8	0.762	103.5	5	104.6	6.3	129.8	96.8	20.3
SK2-535CA 78	217	687733	10450	1.65	22.007	4.5	0.085	6	0.0136	3.9	0.659	87.0	3.4	82.9	4.7	33.0	108.7	-163.6
SK2-535CA 79	222	703009	13069	1.43	20.971	6.9	0.071	9.3	0.0108	6.3	0.675	69.0	4.3	69.4	6.2	82.6	162.6	16.5
SK2-535CA 8	516	1636794	6254	1.42	22.766	4.1	0.052	5.9	0.0086	4.2	0.713	55.4	2.3	51.7	3	0.0	0.0	NA
SK2-535CA 80	99	313575	53542	2.67	21.475	7.8	0.054	11.3	0.0084	8.2	0.723	54.1	4.4	53.5	5.9	26.0	187.2	-108.1
SK2-535CA 81	1087	3447227	26347	1.46	21.987	3	0.053	6.6	0.0085	5.8	0.886	54.4	3.1	52.6	3.4	30.8	73.7	-76.6
SK2-535CA 82	104	330657	24999	3.71	19.202	4.6	0.222	6.2	0.0309	4.1	0.666	196.0	8	203.2	11.5	287.8	106.1	31.9
SK2-535CA 83	159	503260	5261	2.74	22.292	7	0.146	10.1	0.0235	7.3	0.722	149.9	10.8	137.9	13	64.4	170.2	-132.8
SK2-535CA 85	319	1012415	22785	4.14	19.924	3.5	0.204	4.2	0.0294	2.4	0.577	187.0	4.5	188.2	7.3	202.8	80.3	7.8
SK2-535CA 86	630	1996001	149238	0.96	21.073	3	0.070	3.6	0.0108	2.1	0.572	68.9	1.4	69.0	2.4	71.0	70.9	3.0
SK2-535CA 87	288	914009	14442	2.77	21.374	6.4	0.066	7.3	0.0102	3.4	0.472	65.7	2.2	64.9	4.6	37.2	154.0	-76.6
SK2-535CA 88	159	505286	23480	2.65	21.430	7.7	0.057	8.9	0.0089	4.4	0.494	57.0	2.5	56.4	4.9	30.9	184.6	-84.5
SK2-535CA 89	212	673090	102512	2.02	21.988	5.5	0.054	7.1	0.0086	4.4	0.622	55.4	2.4	53.5	3.7	31.0	133.9	-78.7
SK2-535CA 9	227	720886	5778	2.52	22.418	7.1	0.084	8.8	0.0137	5.1	0.587	87.9	4.5	82.2	6.9	78.1	173.8	-12.5
SK2-535CA 90	981	3111711	21685	2.59	21.081	3.3	0.058	4.4	0.0089	2.9	0.653	56.9	1.6	57.2	2.5	70.1	79.5	18.8
SK2-535CA 91	954	3023660	275157	3.29	20.683	2.2	0.060	3.8	0.0090	3	0.804	57.8	1.7	59.1	2.2	115.3	52.9	49.9
SK2-535CA 92	268	850026	23954	1.42	22.291	4.6	0.091	6	0.0146	3.9	0.655	93.6	3.7	87.9	5.1	0.0	0.0	NA
SK2-535CA 93	757	2399108	402354	2.9	21.182	2.8	0.082	4.1	0.0126	3	0.739	80.5	2.4	79.8	3.1	58.8	65.7	-36.9
SK2-535CA 94	142	449109	38172	2.66	21.784	7.9	0.052	10.3	0.0082	6.6	0.64	52.5	3.4	51.2	5.1	8.4	191.1	-525.0
SK2-535CA 95	536	1699043	331758	3.57	20.610	2.5	0.090	3.7	0.0135	2.7	0.736	86.1	2.3	87.4	3.1	123.6	59.4	30.3
SK2-535CA 96	376	1192475	45836	1.68	21.823	4.1	0.086	6.2	0.0136	4.6	0.747	86.9	4	83.5	5	12.8	99.8	-578.9
SK2-535CA 97	443	1405461	388145	2.31	21.268	3.5	0.096	5.6	0.0147	4.4	0.787	94.3	4.2	92.6	5	49.0	83.1	-92.4
SK2-535CA 98	437	1385802	17739	1.99	21.513	5.4	0.050	8.4	0.0079	6.5	0.769	50.5	3.3	49.9	4.1	21.7	129.3	-132.7
SK2-535CA 99	1050	3328132	66347	1.46	22.116	2.7	0.043	6.4	0.0070	5.8	0.908	44.7	2.6	43.1	2.7	0.0	0.0	NA

TABLE S3: MT1-215(Tokun Formation) LA-ICP-MS U-Pb ZIRCON
GEOCHRONOLOGY Sample location in Decimal Degrees: 60.373266, -144.361316

Composition											Ages							
Zircon	U	238U	206Pb/	U/Th	206Pb/	2σ	207Pb/	2σ	206Pb/	2σ	Error	206Pb/	2σ	207Pb/	2σ	206Pb/	2σ	%
#	(ppm)	cps	204Pb		207Pb	(%)	235U	(%)	238U	(%)	Corr.	238U	(Ma)	235U	(Ma)	207Pb	(Ma)	Disc.
MT1214 126	116	481751	2400	2.8	23.409	10.7	0.040	12.8	0.0067	7	0.548	43.1	3	39.4	4.9	0.0	0.0	NA
MT1214 52	642	2663854	20167	3.24	20.064	4.1	0.048	5.2	0.0069	3.2	0.614	44.6	1.4	47.3	2.4	186.5	95.1	76.1
MT1214 276	473	1959668	91805	2.16	19.688	3.4	0.054	4.5	0.0077	2.9	0.642	49.1	1.4	53.0	2.3	230.4	79.3	78.7
MT1214 45	158	654562	4579	1.09	22.355	7.8	0.047	9.6	0.0077	5.6	0.581	49.3	2.7	47.0	4.4	71.3	190.2	30.9
MT1214 22	152	630573	6816	4.67	20.396	7.7	0.053	9	0.0078	4.7	0.527	49.9	2.4	52.0	4.6	148.2	179.5	66.3
MT1214 70	457	1896649	381346	1.57	22.044	3.9	0.049	5	0.0078	3.1	0.615	50.2	1.5	48.4	2.4	37.2	95.4	-34.9
MT1214 98	469	1943883	8472	1.48	22.113	4.6	0.049	5.4	0.0079	2.9	0.526	50.8	1.5	48.9	2.6	44.7	112.5	-13.6
MT1214 173	178	739448	7614	2.6	21.185	6.1	0.052	7.1	0.0080	3.5	0.49	51.4	1.8	51.5	3.5	58.5	146.5	12.1
MT1214 244	240	993436	50611	2.13	21.328	4.8	0.052	5.9	0.0081	3.4	0.578	52.0	1.8	51.8	3	42.3	115.7	-22.9
MT1214 195	176	727906	185429	2.79	23.252	5.7	0.048	7.7	0.0081	5.2	0.675	52.2	2.7	47.8	3.6	0.0	0.0	NA
MT1214 218	315	1304928	28125	2.4	20.354	4.2	0.055	5.1	0.0081	2.9	0.572	52.2	1.5	54.4	2.7	153.0	97.7	65.9
MT1214 75	329	1364893	46674	2.4	21.241	5	0.053	6.4	0.0082	4	0.63	52.3	2.1	52.3	3.3	52.1	118.6	-0.4
MT1214 135	327	1355610	18914	3.08	21.238	4.1	0.053	6.2	0.0082	4.7	0.751	52.3	2.4	52.3	3.2	52.5	98.1	0.4
MT1214 304	1469	6092619	38221	5.2	21.106	2.1	0.053	3.1	0.0082	2.2	0.72	52.5	1.1	52.8	1.6	67.4	50.3	22.1
MT1214 83	201	831914	18714	1.81	22.185	4	0.051	5.3	0.0083	3.4	0.65	53.1	1.8	50.9	2.6	0.0	0.0	NA
MT1214 271	391	1621862	37357	2.09	21.856	3.5	0.052	4.6	0.0083	2.9	0.645	53.1	1.6	51.6	2.3	16.4	84.1	-223.8
MT1214 8	125	519328	7109	2.5	21.497	7.8	0.053	9.7	0.0083	5.8	0.599	53.5	3.1	52.8	5	23.5	187.0	-127.7
MT1214 37	110	457488	3186	3.11	24.330	11.4	0.047	12.2	0.0083	4.6	0.373	53.5	2.4	46.8	5.6	0.0	0.0	NA
MT1214 54	110	457830	8841	2.26	21.011	6.7	0.055	8.7	0.0083	5.6	0.646	53.5	3	54.1	4.6	78.0	158.3	31.4
MT1214 102	149	618645	6565	2.4	21.548	6.4	0.053	7.9	0.0083	4.7	0.586	53.5	2.5	52.7	4.1	17.8	154.5	-200.6
MT1214 188	660	2737212	55337	2.08	21.009	3	0.055	3.8	0.0084	2.3	0.613	53.7	1.3	54.3	2	78.3	71.6	31.4
MT1214 285	429	1780542	48535	2.67	21.786	4.1	0.053	5.8	0.0084	4	0.697	53.7	2.1	52.3	2.9	8.7	99.9	-517.2
MT1214 103	208	861223	4664	4.41	23.097	7.9	0.050	9.2	0.0084	4.8	0.522	53.8	2.6	49.5	4.5	0.0	0.0	NA
MT1214 39	596	2472130	340124	2.48	20.685	3.4	0.056	4.7	0.0084	3.2	0.682	54.0	1.7	55.3	2.5	115.1	81.2	53.1
MT1214 281	86	354612	2299	3.46	21.880	15.1	0.053	16.2	0.0084	6	0.369	54.0	3.2	52.4	8.3	19.1	365.6	-182.7
MT1214 240	266	1102374	5900	2.84	21.582	4.3	0.054	5.8	0.0084	3.8	0.664	54.1	2.1	53.2	3	14.0	104.1	-286.4
MT1214 243	155	642219	11710	2.58	20.913	6.7	0.056	8.5	0.0085	5.2	0.615	54.6	2.8	55.4	4.6	89.1	158.8	38.7
MT1214 239	621	2575617	44682	3.5	21.260	3	0.055	3.6	0.0085	2	0.558	54.7	1.1	54.6	1.9	50.1	70.8	-9.2
MT1214 170	94	388117	2881	3.25	24.101	11.6	0.049	12.5	0.0086	4.7	0.373	54.9	2.5	48.5	5.9	0.0	0.0	NA
MT1214 212	84	347699	3499	2.47	25.624	9.9	0.046	12.3	0.0086	7.2	0.587	54.9	3.9	45.7	5.5	0.0	0.0	NA
MT1214 274	245	1015184	10913	3.35	21.345	4.6	0.055	6.1	0.0086	4.1	0.665	54.9	2.2	54.5	3.2	40.5	109.3	-35.6
MT1214 84	259	1076037	20387	2.25	22.250	4.2	0.053	6.2	0.0086	4.6	0.739	55.0	2.5	52.5	3.2	0.0	0.0	NA
MT1214 192	311	1289310	14322	2.95	21.331	4.2	0.056	5.8	0.0087	4	0.689	55.7	2.2	55.4	3.1	42.0	101.0	-32.6
MT1214 30	384	1593053	9627	2.2	22.461	5.2	0.054	5.9	0.0087	2.6	0.45	56.1	1.5	53.1	3	0.0	0.0	NA
MT1214 63	738	3062021	20754	1.59	17.054	8.2	0.071	8.5	0.0087	2.2	0.258	56.1	1.2	69.3	5.7	552.6	179.0	89.8
MT1214 151	127	527472	102807	5.15	20.079	6.8	0.060	8.6	0.0087	5.3	0.613	56.1	3	59.2	5	184.8	158.9	69.6
MT1214 23	202	837091	37967	2.98	20.327	6.8	0.059	8.8	0.0088	5.6	0.635	56.2	3.1	58.6	5	156.1	159.6	64.0
MT1214 71	69	285853	6025	4.24	21.777	9	0.056	11.9	0.0088	7.9	0.661	56.2	4.4	54.8	6.4	7.7	216.5	-629.9
MT1214 300	112	463950	8225	2.32	21.660	6.8	0.056	9.3	0.0088	6.3	0.682	56.4	3.6	55.3	5	5.3	164.1	-964.2
MT1214 190	844	3498393	39892	2.31	21.412	3.1	0.057	3.5	0.0088	1.7	0.478	56.6	0.9	56.1	1.9	33.0	74.0	-71.5
MT1214 222	1257	5211792	232386	2.2	21.365	2.2	0.057	3.3	0.0089	2.4	0.742	56.9	1.4	56.5	1.8	38.3	52.6	-48.6
MT1214 67	332	1378569	367791	2.23	20.751	4	0.059	5.2	0.0089	3.4	0.642	57.0	1.9	58.2	3	107.6	95.0	47.0
MT1214 307	179	742721	19499	1.8	21.376	4.4	0.057	6.4	0.0089	4.7	0.733	57.1	2.7	56.6	3.5	36.9	104.8	-54.7
MT1214 155	555	2300809	14458	1.6	21.488	3.6	0.057	4.7	0.0089	3.1	0.66	57.2	1.8	56.4	2.6	24.5	85.5	-133.5
MT1214 60	392	1624535	75297	2.58	21.471	5.4	0.058	6.2	0.0090	3.1	0.494	57.6	1.8	56.9	3.4	26.4	129.6	-118.2
MT1214 241	271	1122654	81476	1.81	20.873	5.4	0.059	7.3	0.0090	4.9	0.674	57.7	2.8	58.5	4.2	93.7	127.9	38.4
MT1214 50	305	1263855	46622	3.65	21.201	5.9	0.059	6.8	0.0090	3.5	0.507	57.9	2	57.9	3.8	56.6	140.5	-2.3
MT1214 143	142	587993	5483	4.07	21.474	8.8	0.058	10.2	0.0091	5.1	0.506	58.1	3	57.4	5.7	26.0	210.1	-123.5
MT1214 221	671	2780935	31547	2.71	21.476	3	0.058	4	0.0091	2.6	0.663	58.1	1.5	57.4	2.2	25.8	71.4	-125.2
MT1214 16	279	1157481	9138	2.78	21.877	5.7	0.057	7.3	0.0091	4.6	0.632	58.2	2.7	56.4	4	18.7	137.5	-211.2
MT1214 169	476	1974181	52387	2.81	21.737	3.5	0.058	4.7	0.0091	3.1	0.665	58.3	1.8	56.8	2.6	3.2	84.3	-1721.9
MT1214 162	423	1756208	471172	2	20.440	4.2	0.062	6.1	0.0091	4.4	0.722	58.5	2.6	60.6	3.6	143.1	99.2	59.1
MT1214 250	84	349703	125401	2.85	18.745	7.9	0.067	9.9	0.0091	6	0.601	58.5	3.5	65.9	6.3	342.5	179.8	82.9
MT1214 7	1009	4186316	602627	1.93	21.254	2.9	0.060	3.7	0.0092	2.4	0.643	59.0	1.4	58.8	2.1	50.6	68.6	-16.6
MT1214 53	122	505150	63727	3.11	21.140	7.1	0.060	9.6	0.0092	6.4	0.672	59.2	3.8	59.3	5.5	63.5	168.9	6.8
MT1214 194	887	3680387	88710	1.78	20.979	3.2	0.061	3.6	0.0092	1.7	0.464	59.3	1	59.8	2.1	81.6	75.1	27.3
MT1214 210	719	2981425	61084	3.51	22.033	2.7	0.058	4.9	0.0093	4.1	0.829	59.8	2.4	57.5	2.7	0.0	0.0	NA
MT1214 189	414	1718422	247482	2.13	18.413	6.8	0.070	7.3	0.0093	2.7	0.364	59.9	1.6	68.6	4.8	382.9	152.7	84.4
MT1214 231	279	1158122	21237	2.94	20.913	4.5	0.062	7	0.0093	5.4	0.766	59.9	3.2	60.6	4.1	89.1	107.1	32.8
MT1214 32	1035	4291878	137010	22.73	21.235	2	0.061	4.1	0.0094	3.6	0.867	60.2	2.1	60.0	2.4	52.9	48.8	-13.8
MT1214 81	49	202456	9625	2.06	22.400	9	0.058	11.2	0.0094	6.6	0.595	60.2	4	56.9	6.2	76.2	219.6	21.0
MT1214 112	146	605778	4172	2.77	22.488	9.2	0.058	9.8	0.0094	3.2	0.33	60.4	1.9	57.0	5.4	85.7	225.8	29.5
MT1214 234	146	603940	6444	3.26	21.178	7.2	0.062	8.9	0.0095	5.2	0.588	60.7	3.2	60.7	5.2	59.3	171.0	-2.4
MT1214 127	171	709985	9219	3.27	20.475	6.3	0.064	7.5	0.0095	4	0.538	61.0	2.4	63.0	4.6	139.1	147.6	56.1
MT1214 138	660	2735602	42601	3.85	22.284	3.6	0.											

MT 1214 294	373	1545613	20375	2.45	21.612	4.3	0.063	6.6	0.0099	5	0.762	63.5	3.2	62.2	4	10.6	102.9	-499.1
MT 1214 172	204	845155	8153	2.85	21.782	6.1	0.063	7.1	0.0099	3.7	0.516	63.6	2.3	61.8	4.3	8.2	147.5	-675.6
MT 1214 198	165	684024	29717	3.66	22.294	5.3	0.062	6.8	0.0100	4.2	0.616	63.9	2.6	60.7	4	0.0	0.0	NA
MT 1214 311	288	1192526	36860	2.76	20.361	6.2	0.068	9.4	0.0101	7.1	0.755	64.6	4.6	67.0	6.1	152.2	144.6	57.6
MT 1214 207	360	1491747	17494	7.38	21.012	4	0.066	5.5	0.0101	3.8	0.685	64.8	2.4	65.1	3.5	77.9	94.8	16.8
MT 1214 303	402	1668635	17725	4.25	21.272	5.2	0.066	5.7	0.0102	2.4	0.416	65.2	1.5	64.8	3.6	48.6	123.5	-34.2
MT 1214 295	472	1959124	43758	2.29	19.839	4.5	0.071	5	0.0102	2.3	0.453	65.6	1.5	69.7	3.4	212.7	103.7	69.2
MT 1214 125	10588	43910558	449436	15.28	20.975	0.9	0.067	2.8	0.0102	2.6	0.948	65.7	1.7	66.1	1.8	82.2	20.9	20.1
MT 1214 56	498	2064473	13572	2.73	21.847	4.5	0.065	5.6	0.0104	3.4	0.604	66.4	2.2	64.2	3.5	15.4	108.1	-331.2
MT 1214 180	754	3127076	20419	3.51	21.653	2	0.066	2.9	0.0104	2	0.707	66.6	1.3	65.0	1.8	6.2	49.1	-974.2
MT 1214 15	449	1860436	554041	4.1	20.937	4.1	0.069	5.1	0.0105	2.9	0.579	67.1	2	67.7	3.3	86.5	98.4	22.4
MT 1214 35	370	1535230	13598	2.41	20.987	4.3	0.069	5	0.0105	2.7	0.527	67.3	1.8	67.7	3.3	80.8	101.8	16.7
MT 1214 264	357	1479227	46730	3.32	20.158	3.3	0.072	4.4	0.0105	3	0.669	67.3	2	70.4	3	175.6	76.7	61.7
MT 1214 149	377	1562128	50496	1.91	22.104	2.5	0.066	3.6	0.0105	2.6	0.732	67.4	1.8	64.4	2.3	0.0	0.0	NA
MT 1214 118	224	928282	7841	1.79	16.109	9.4	0.090	9.8	0.0105	2.6	0.269	67.5	1.8	87.6	8.2	675.8	201.6	90.0
MT 1214 262	141	583561	6560	2.61	18.808	9.3	0.078	10.5	0.0107	4.8	0.46	68.3	3.3	76.4	7.7	335.0	211.0	79.6
MT 1214 227	1401	5808231	130487	12.06	20.589	2.1	0.071	3.7	0.0107	3	0.819	68.4	2.1	70.0	2.5	126.1	50.1	45.8
MT 1214 27	232	960288	22129	1.48	20.579	5.7	0.072	7.3	0.0107	4.7	0.635	68.7	3.2	70.4	5	127.2	133.5	46.0
MT 1214 223	67	276809	26489	2.39	19.876	7.9	0.075	11.2	0.0108	7.9	0.706	69.2	5.4	73.2	7.9	208.4	183.6	66.8
MT 1214 287	270	1118945	53266	4.36	21.483	3.9	0.070	5.2	0.0109	3.4	0.658	69.9	2.4	68.7	3.5	25.1	94.5	-178.5
MT 1214 253	1070	4439328	18339	2.21	21.975	2.1	0.069	3.2	0.0109	2.4	0.741	70.1	1.6	67.3	2.1	0.0	0.0	NA
MT 1214 11	234	971585	38676	2.42	21.013	3.6	0.072	5.1	0.0110	3.7	0.721	70.3	2.6	70.5	3.5	77.8	84.5	9.6
MT 1214 104	360	1491410	30771	3.21	21.178	4.4	0.072	5.2	0.0110	2.7	0.518	70.4	1.9	70.1	3.5	59.3	105.8	-18.7
MT 1214 132	1051	4360425	99733	5.44	20.809	2.1	0.073	2.9	0.0110	2	0.703	70.4	1.4	71.3	2	101.0	49.0	30.3
MT 1214 164	122	505715	8369	3.5	20.456	6.9	0.074	8.1	0.0110	4.4	0.538	70.4	3.1	72.4	5.7	141.3	161.2	50.2
MT 1214 299	99	408902	3448	3.27	21.834	11.3	0.070	12.9	0.0111	6.2	0.481	71.4	4.4	69.0	8.6	14.0	273.5	-410.0
MT 1214 93	97	402687	10752	3.35	20.283	5.7	0.076	7.9	0.0112	5.4	0.689	71.5	3.9	74.2	5.6	161.2	133.4	55.6
MT 1214 270	580	2405439	307526	2.14	20.757	2.9	0.075	4	0.0113	2.8	0.706	72.2	2	73.2	2.8	106.9	67.5	32.5
MT 1214 137	48	200251	9300	3.09	22.012	6.9	0.071	12.1	0.0114	9.9	0.82	72.9	7.2	69.8	8.2	33.6	168.3	-117.0
MT 1214 314	649	2690427	29452	3.8	21.397	2.8	0.073	3.6	0.0114	2.3	0.642	73.0	1.7	71.9	2.5	34.7	66.5	-110.4
MT 1214 208	218	902931	21654	2.23	21.908	5.1	0.072	6.1	0.0114	3.4	0.55	73.3	2.5	70.5	4.2	22.1	124.2	-231.7
MT 1214 62	194	805649	374259	2.92	21.924	5.6	0.073	6.6	0.0117	3.5	0.535	74.8	2.6	71.9	4.6	23.9	134.9	-213.0
MT 1214 289	363	1506489	13509	3.13	20.687	4	0.078	5.1	0.0117	3.2	0.624	74.8	2.4	76.1	3.7	114.8	94.0	34.8
MT 1214 268	229	947907	8974	1.99	22.508	5.5	0.072	6.7	0.0117	3.9	0.582	74.9	2.9	70.2	4.6	0.0	0.0	NA
MT 1214 133	198	820148	15086	2.53	20.860	5.2	0.077	6.3	0.0117	3.5	0.558	75.0	2.6	75.6	4.6	95.2	123.4	21.2
MT 1214 97	153	634990	18902	2.79	22.250	3.8	0.074	5.4	0.0120	3.9	0.725	76.7	3	72.6	3.8	0.0	0.0	NA
MT 1214 139	412	1707791	50091	2.31	21.175	3.7	0.078	5.6	0.0120	4.2	0.743	76.7	3.2	76.2	4.1	59.6	89.3	-28.7
MT 1214 230	1133	4697658	52334	1.83	21.066	2	0.079	5.4	0.0121	5	0.93	77.3	3.9	77.1	4	71.8	47.2	-7.7
MT 1214 288	67	278938	5702	102.5	21.370	8.3	0.078	11	0.0121	7.3	0.66	77.4	5.6	76.2	8.1	37.7	197.6	-105.3
MT 1214 184	127	526181	3589	4.1	9.999	20.2	0.169	22	0.0123	8.7	0.395	78.7	6.8	158.9	32.3	1623.4	376.1	95.2
MT 1214 44	616	2554616	947835	3.29	20.505	2.4	0.083	3.8	0.0123	3	0.775	78.8	2.3	80.6	3	135.7	56.6	41.9
MT 1214 85	652	2703382	43344	1.29	20.250	2.7	0.084	5.1	0.0123	4.4	0.85	79.0	3.4	81.8	4	164.9	63.1	52.1
MT 1214 25	155	642973	17939	2.4	21.675	4.9	0.079	6.5	0.0124	4.4	0.667	79.1	3.4	76.7	4.8	3.7	117.3	-2037.8
MT 1214 232	480	1991128	7706	2.88	19.057	6	0.089	6.8	0.0124	3.2	0.47	79.2	2.5	86.9	5.7	305.1	136.5	74.0
MT 1214 142	135	561621	14678	2.23	22.192	7	0.077	9	0.0124	5.6	0.627	79.3	4.4	75.2	6.5	53.4	170.7	-48.5
MT 1214 146	451	1870771	27056	2.71	21.000	2.7	0.082	3.6	0.0125	2.4	0.675	79.9	1.9	79.9	2.8	79.3	63.6	-0.8
MT 1214 286	450	1866356	21350	2.67	20.786	3.1	0.083	4	0.0125	2.5	0.623	80.1	2	80.9	3.1	103.5	74.1	22.6
MT 1214 123	129	536661	5352	3.7	21.540	6.8	0.081	8.2	0.0126	4.7	0.572	80.6	3.8	78.6	6.2	18.7	162.2	-331.0
MT 1214 284	476	1972625	354866	3.78	20.474	3.6	0.085	4.4	0.0126	2.6	0.591	80.7	2.1	82.6	3.5	139.2	84.2	42.0
MT 1214 61	70	291220	10658	3.6	20.175	9	0.086	11.8	0.0126	7.6	0.642	80.8	6.1	83.9	9.5	173.6	211.1	53.5
MT 1214 18	402	1665500	44230	2.37	20.684	4	0.084	5.5	0.0126	3.9	0.698	80.9	3.1	82.1	4.4	115.2	93.4	29.8
MT 1214 19	240	995740	379706	1.89	19.174	4	0.091	5.5	0.0127	3.9	0.697	81.1	3.1	88.5	4.7	291.1	90.9	72.1
MT 1214 204	287	1188874	443892	2.44	21.091	4.4	0.083	5.1	0.0127	2.6	0.499	81.2	2.1	80.8	4	69.0	105.4	-17.7
MT 1214 171	199	825493	33618	3.13	20.844	3.7	0.084	6	0.0127	4.8	0.791	81.5	3.9	82.0	4.7	97.0	87.1	16.0
MT 1214 109	96	396660	7369	2.31	21.392	5.9	0.082	7.2	0.0127	4.1	0.575	81.6	3.4	80.1	5.6	35.2	141.2	-131.8
MT 1214 64	68	282074	3981	3.88	5.655	46.9	0.313	47.6	0.0128	8	0.168	82.2	6.5	276.4	115	2622.5	792.4	96.9
MT 1214 17	169	700068	372580	2.23	20.304	4.6	0.087	7.3	0.0129	5.7	0.778	82.4	4.6	85.0	5.9	158.8	107.2	48.1
MT 1214 3	1379	5719747	107302	2.77	21.081	2	0.085	2.8	0.0129	2	0.709	82.8	1.6	82.4	2.2	70.2	47.5	-17.9
MT 1214 301	993	4117073	112952	4.88	20.782	1.9	0.086	3.1	0.0130	2.5	0.79	83.0	2	83.7	2.5	104.0	45.5	20.2
MT 1214 165	227	939928	32961	2.77	20.717	4.6	0.087	5.5	0.0130	2.9	0.539	83.3	2.4	84.2	4.4	111.5	108.8	25.3
MT 1214 159	121	503249	264847	2.18	20.264	6.6	0.089	7.8	0.0130	4.1	0.53	83.4	3.4	86.2	6.4	163.4	154.5	49.0
MT 1214 160	287	1189795	106385	2.04	20.304	2.5	0.088	3.9	0.0130	2.9	0.755	83.4	2.4	86.0	3.2	158.8	59.1	47.5
MT 1214 58	193	801406	321474	4.94	20.589	4.8	0.088	6.7	0.0131	4.8	0.708	83.7	4	85.2	5.5	126.1	112.1	33.6
MT 1214 267	672	2786287	469163	1.7	20.840	2.6	0.087	3.5	0.0131	2.3	0.671	83.9	1.9	84.3	2.8	97.4	61.2	13.9
MT 1214 141	48	200845	6728	4	22.001	8	0.082	11.4	0.0131	8.1	0.709	84.1	6.7	80.3	8.8	32.4	194.2	-159.6
MT 1214 235	185	767004	11013	3.33	21.621	5.1	0.084	6.3	0.0131	3.7	0.585	84.1	3.1	81.6	4.9	9.7	122.6	-767.0
MT 1214 167	526	2182076	350373	2.95	20.099	3.9	0.091	4.8	0.0132	2.8	0.587	84.6	2.4	88.0	4.1	182.5	90	

MT 1214 73	363	1507232	523201	2.27	20.516	3.9	0.090	5	0.0134	3	0.606	85.8	2.6	87.5	4.2	134.5	92.6	36.2
MT 1214 315	258	1070351	45119	4.63	20.989	4.8	0.088	6.2	0.0134	4	0.642	85.9	3.4	85.7	5.1	80.6	113.0	-6.6
MT 1214 129	518	2147312	45426	2.98	19.290	4.2	0.096	4.7	0.0135	2.2	0.472	86.1	1.9	93.2	4.2	277.4	95.3	69.0
MT 1214 130	526	2183037	155789	3.12	19.618	3.9	0.095	4.7	0.0135	2.7	0.568	86.5	2.3	92.1	4.2	238.6	89.6	63.7
MT 1214 29	91	377355	19008	1.79	13.150	15.2	0.142	16.6	0.0136	6.5	0.391	86.9	5.6	135.0	20.9	1095.4	305.6	92.1
MT 1214 259	1410	5847761	133416	6.31	20.946	2.1	0.089	3	0.0136	2.1	0.692	87.0	1.8	87.0	2.5	85.5	50.9	-1.8
MT 1214 237	450	1865380	198007	1.89	20.957	3.1	0.089	4.2	0.0136	2.8	0.68	87.1	2.5	87.0	3.5	84.1	72.6	-3.6
MT 1214 161	404	1673478	24508	2.28	21.031	3.1	0.089	4.1	0.0136	2.7	0.661	87.2	2.4	86.8	3.4	75.8	73.6	-15.0
MT 1214 13	245	1017315	13441	1.97	21.540	4.8	0.087	6.4	0.0136	4.2	0.66	87.3	3.7	84.9	5.2	18.7	115.2	-366.8
MT 1214 90	849	3520282	237076	5.71	20.881	2.1	0.090	3.1	0.0137	2.2	0.728	87.5	1.9	87.7	2.6	92.8	49.7	5.7
MT 1214 279	1034	4288030	735528	1.75	20.634	2	0.091	3.3	0.0137	2.6	0.79	87.5	2.3	88.7	2.8	120.9	48.1	27.6
MT 1214 263	390	1617815	24307	3.23	21.376	3.3	0.088	4.4	0.0137	2.9	0.664	87.7	2.6	85.9	3.7	37.0	79.5	-137.0
MT 1214 306	347	1440098	78228	2.81	20.879	2.4	0.091	4.1	0.0137	3.4	0.811	87.9	2.9	88.1	3.5	93.0	57.3	5.5
MT 1214 176	98	405247	22177	2.63	21.641	6.6	0.088	8.2	0.0138	4.8	0.584	88.3	4.2	85.4	6.7	7.4	159.5	-1093.2
MT 1214 68	403	2285645	79930	19.45	20.727	3.6	0.092	4.2	0.0138	2.1	0.506	88.5	1.9	89.3	3.6	110.3	85.0	19.8
MT 1214 308	551	1671398	233906	1.78	21.258	2.1	0.090	3	0.0138	2.1	0.714	88.5	1.9	87.1	2.5	50.3	49.5	-75.9
MT 1214 158	217	899599	373531	1.87	20.943	2.9	0.091	4.9	0.0139	3.9	0.805	88.7	3.4	88.6	4.1	85.8	68.2	-3.4
MT 1214 59	251	1039815	15175	4.61	20.738	4.3	0.092	6	0.0139	4.1	0.689	88.9	3.6	89.6	5.1	109.0	102.4	18.4
MT 1214 213	718	2977024	57744	3.25	21.034	2.1	0.091	3.2	0.0139	2.4	0.74	88.9	2.1	88.4	2.7	75.4	51.1	-17.9
MT 1214 115	859	3562284	370911	2.03	20.748	2	0.093	2.9	0.0140	2.1	0.729	89.4	1.9	90.1	2.5	108.0	47.3	17.2
MT 1214 238	330	1367063	11082	7.16	20.807	3.7	0.093	6.2	0.0140	4.9	0.797	89.5	4.4	90.0	5.3	101.1	88.4	11.5
MT 1214 290	542	2246560	323330	2.6	20.753	2.8	0.093	3.8	0.0140	2.5	0.658	89.6	2.2	90.2	3.3	107.4	67.2	16.6
MT 1214 278	65	268884	10755	3.16	19.989	7.9	0.097	10.4	0.0140	6.7	0.645	89.9	6	93.8	9.3	195.2	184.1	53.9
MT 1214 206	482	2000424	28976	2.54	21.246	2.9	0.091	4.2	0.0141	3	0.724	90.1	2.7	88.7	3.6	51.6	69.0	-74.6
MT 1214 96	125	518005	54706	1.65	19.759	5.3	0.098	7	0.0141	4.5	0.647	90.2	4	95.2	6.3	222.0	122.7	59.4
MT 1214 47	627	2599743	31661	2.59	21.355	3	0.091	4.2	0.0141	3	0.712	90.3	2.7	88.5	3.6	39.4	71.1	-129.2
MT 1214 21	201	832617	32617	2.17	21.561	3.8	0.090	5.4	0.0141	3.8	0.705	90.4	3.4	87.8	4.5	16.3	91.3	-454.6
MT 1214 41	180	747831	83687	2.81	21.660	5.1	0.090	6.7	0.0141	4.4	0.65	90.4	3.9	87.3	5.6	5.3	122.8	-1605.7
MT 1214 128	242	1003220	21268	4.12	19.975	4.3	0.098	5.6	0.0141	3.6	0.639	90.5	3.2	94.5	5.1	196.8	100.1	54.0
MT 1214 120	316	1309277	41606	3.04	21.258	3.1	0.092	4	0.0142	2.6	0.642	90.6	2.3	89.2	3.4	50.2	73.6	-80.5
MT 1214 185	474	1963892	20428	1.25	20.878	3.7	0.094	4.6	0.0142	2.7	0.598	90.6	2.5	90.7	4	93.1	86.9	2.7
MT 1214 251	173	717222	14556	3.02	20.679	6.2	0.095	7.7	0.0142	4.6	0.598	90.7	4.2	91.6	6.8	115.7	146.5	21.6
MT 1214 20	473	1960197	42532	2.85	21.219	3.9	0.092	4.9	0.0142	3	0.61	91.1	2.7	89.7	4.2	54.7	92.7	-66.5
MT 1214 175	544	2254734	227564	2.71	20.579	2.4	0.095	3.8	0.0142	3	0.785	91.1	2.7	92.4	3.4	127.2	55.9	28.4
MT 1214 181	331	1374620	32306	2.44	20.814	3.7	0.094	4.4	0.0142	2.4	0.549	91.2	2.2	91.5	3.8	100.4	86.7	9.2
MT 1214 297	281	1165054	27631	2.27	21.965	3.3	0.090	4.5	0.0143	3	0.666	91.5	2.7	87.2	3.7	28.5	80.9	-221.1
MT 1214 92	267	1106757	283056	2.44	20.258	2.6	0.098	4.9	0.0143	4.1	0.847	91.7	3.8	94.5	4.4	164.1	60.6	44.1
MT 1214 152	631	2615269	70945	4.67	20.376	2.2	0.097	2.6	0.0144	1.3	0.504	91.9	1.2	94.1	2.3	150.5	51.7	38.9
MT 1214 183	227	939587	244659	2.43	20.748	3.6	0.096	4.9	0.0144	3.3	0.681	92.1	3.1	92.7	4.3	107.9	85.0	14.6
MT 1214 131	110	458078	27968	3.93	13.998	12.8	0.142	13.6	0.0144	4.4	0.322	92.2	4	134.7	17.1	969.1	262.0	90.5
MT 1214 248	1126	4670601	723896	4.92	21.188	2.4	0.095	4.2	0.0145	3.5	0.827	92.9	3.2	91.6	3.7	58.1	56.8	-59.9
MT 1214 2	182	754839	23065	2.68	22.716	4	0.088	6	0.0145	4.4	0.741	93.0	4.1	85.8	4.9	0.0	0.0	NA
MT 1214 312	256	1059765	9959	3.59	21.700	4.5	0.093	5.4	0.0146	3	0.554	93.4	2.8	90.0	4.6	0.9	108.1	-10277.8
MT 1214 236	891	3696799	394986	1.52	21.395	1.7	0.094	2.9	0.0146	2.4	0.82	93.5	2.2	91.3	2.5	34.9	39.7	-167.9
MT 1214 258	161	669143	249327	2.48	21.308	4.9	0.095	6.5	0.0148	4.2	0.646	94.4	3.9	92.5	5.7	44.6	118.2	-111.7
MT 1214 202	141	584303	342176	3.51	21.293	4.8	0.096	9	0.0148	7.6	0.845	94.8	7.2	93.0	8	46.4	115.1	-104.3
MT 1214 34	895	3709924	70376	1.67	21.313	2.6	0.096	4.1	0.0149	3.1	0.772	95.2	3	93.3	3.6	44.1	61.8	-115.9
MT 1214 42	167	690536	150648	2.69	20.574	4.7	0.100	6.1	0.0149	3.9	0.642	95.5	3.7	96.7	5.6	127.8	109.8	25.3
MT 1214 91	700	2901430	33747	2.82	20.985	2.4	0.098	3.6	0.0150	2.7	0.753	95.8	2.6	95.2	3.3	80.9	56.4	-18.4
MT 1214 168	213	884632	111053	4.33	16.739	6.5	0.124	7.7	0.0150	4.1	0.529	96.1	3.9	118.4	8.6	593.2	141.7	83.8
MT 1214 33	495	2053413	38136	5.75	18.896	3.4	0.111	4.6	0.0153	3.1	0.677	97.6	3	107.1	4.6	324.4	76.3	69.9
MT 1214 6	164	681861	124838	2.77	14.272	10.9	0.149	12	0.0154	5	0.42	98.6	4.9	140.9	15.7	929.4	223.1	89.4
MT 1214 275	58	238496	3262	93.15	2.526	3	0.849	7.9	0.0156	7.3	0.927	99.5	7.3	623.8	37	3893.1	44.8	97.4
MT 1214 119	446	1851471	96280	2.64	21.752	2.7	0.101	4.2	0.0159	3.3	0.771	101.7	3.3	97.5	3.9	4.8	65.2	-2018.8
MT 1214 78	84	346952	17027	6.26	19.913	6.3	0.114	8.1	0.0164	5	0.62	105.1	5.2	109.4	8.4	204.0	147.3	48.5
MT 1214 225	198	819468	30375	3.93	21.118	4.4	0.108	5.1	0.0165	2.5	0.502	105.5	2.7	103.8	5	66.0	104.4	-59.8
MT 1214 72	213	881628	34897	3.24	20.086	3	0.114	5.2	0.0167	4.2	0.819	106.4	4.5	109.8	5.4	184.0	69.2	42.2
MT 1214 255	184	761862	16585	2.83	16.766	7.6	0.138	8.7	0.0168	4.3	0.489	107.1	4.5	130.9	10.7	589.7	165.2	81.8
MT 1214 296	690	2860774	58219	3.1	20.560	1.5	0.115	2.1	0.0171	1.5	0.717	109.2	1.7	110.1	2.2	129.4	35.0	15.6
MT 1214 273	897	3720788	112549	1.31	20.195	2.3	0.118	3.1	0.0173	2.1	0.663	110.3	2.3	113.1	3.4	171.3	54.7	35.6
MT 1214 272	329	1364817	30799	2.79	21.532	3	0.111	4.4	0.0173	3.3	0.744	110.5	3.6	106.6	4.5	19.6	71.2	-463.8
MT 1214 269	157	653164	27082	1.79	20.659	5.3	0.117	6.9	0.0175	4.4	0.634	111.7	4.8	112.0	7.3	118.0	125.3	5.3
MT 1214 154	64	264205	13102	3.06	19.950	6.5	0.121	9.1	0.0175	6.4	0.697	112.1	7.1	116.1	10	199.7	151.9	43.9
MT 1214 157	200	828581	23574	2.33	20.417	4.7	0.121	5.8	0.0180	3.4	0.582	114.7	3.8	116.2	6.3	145.8	110.0	21.3
MT 1214 106	74	306236	2842	2.23	22.769	11.8	0.109	13.4	0.0180	6.3	0.469	114.9	7.2	104.9	13.4	116.3	292.2	1.2
MT 1214 82	239	989202	32423	2.04	18.764	6.2	0.132	7.2	0.0180	3.6	0.497	115.0	4.1	126.1	8.5	340.4	141.0	66.2
MT 1214 179	97	403087	15531	2.48	21.473	6.3	0.116	8.4										

MT 1214 107	368	1527685	300680	2.87	20.505	3.3	0.148	4.4	0.0221	2.9	0.666	140.8	4.1	140.5	5.7	135.7	76.5	-3.8
MT 1214 260	305	1265055	245099	2.85	21.083	2.5	0.146	3.9	0.0223	3	0.77	142.0	4.2	138.0	5.1	70.0	59.6	-102.9
MT 1214 215	295	1224491	85565	2.04	20.750	2.5	0.149	5.1	0.0224	4.5	0.879	142.6	6.4	140.6	6.8	107.7	58.0	-32.4
MT 1214 51	207	857657	44793	1.94	20.110	3.4	0.154	5.5	0.0225	4.3	0.784	143.3	6.1	145.5	7.4	181.1	79.5	20.9
MT 1214 182	250	1036478	58121	2.41	20.542	3.6	0.151	4.6	0.0225	2.8	0.62	143.5	4	142.8	6.1	131.4	84.2	-9.2
MT 1214 69	143	592796	21503	1.74	19.944	3.5	0.157	4.7	0.0227	3.1	0.667	144.4	4.4	147.7	6.4	200.5	80.6	28.0
MT 1214 205	81	333934	4673	3.84	21.464	7.7	0.146	10.7	0.0227	7.4	0.693	144.4	10.6	137.9	13.8	27.2	184.4	-430.9
MT 1214 302	616	2555842	116271	2.54	19.338	2.3	0.162	3.1	0.0227	2.2	0.691	144.4	3.1	152.0	4.4	271.7	51.8	46.9
MT 1214 26	124	514678	14057	3.03	19.967	3.5	0.158	4.8	0.0229	3.2	0.67	145.8	4.6	148.9	6.6	197.7	82.5	26.3
MT 1214 108	159	660974	220697	2.08	20.552	2.8	0.154	4.3	0.0229	3.2	0.758	146.0	4.7	145.1	5.8	130.3	65.8	-12.0
MT 1214 266	213	884114	29176	3.01	20.247	3.3	0.157	4.2	0.0231	2.6	0.616	146.9	3.8	148.0	5.8	165.3	78.0	11.1
MT 1214 49	155	641141	10371	3.25	20.660	4.8	0.154	6.2	0.0231	3.9	0.633	147.1	5.7	145.5	8.4	117.9	113.5	-24.8
MT 1214 121	179	743945	42094	2.16	20.570	2.9	0.155	5	0.0231	4.1	0.818	147.5	5.9	146.3	6.8	128.2	91.7	-15.1
MT 1214 174	358	1485526	15421	3.43	20.202	3.2	0.158	5.8	0.0232	4.8	0.827	147.5	7	148.9	8	170.5	75.8	13.5
MT 1214 199	491	2037848	117748	1.5	20.866	2.1	0.153	3.1	0.0232	2.3	0.739	147.7	3.4	144.6	4.2	94.5	49.7	-56.3
MT 1214 291	643	2666298	680420	4.13	19.961	2	0.161	3.6	0.0233	3	0.829	148.6	4.4	151.6	5	198.4	46.5	25.1
MT 1214 36	739	3065498	241380	7.38	18.968	2.5	0.170	3.4	0.0233	2.2	0.669	148.7	3.3	159.0	4.9	315.7	56.7	52.9
MT 1214 280	78	325494	63805	2.77	19.502	4.8	0.165	7.1	0.0234	5.2	0.731	148.9	7.6	155.2	10.2	252.2	111.1	41.0
MT 1214 105	182	755239	174363	2.26	19.825	3.5	0.164	5.9	0.0236	4.8	0.808	150.4	7.1	154.3	8.5	214.3	80.6	29.8
MT 1214 254	1000	4148985	1114015	3.67	20.245	2	0.161	2.7	0.0236	1.8	0.676	150.6	2.7	151.5	3.8	165.5	46.7	9.0
MT 1214 117	185	768997	17094	2.21	20.641	3.8	0.159	5.6	0.0237	4.1	0.729	151.2	6.1	149.4	7.8	120.1	90.6	-25.9
MT 1214 9	119	494366	16561	2.97	20.032	4.8	0.165	6.9	0.0239	5	0.72	152.3	7.5	154.7	9.9	190.3	111.9	20.0
MT 1214 313	223	923207	668757	1.6	20.118	3.3	0.164	4.5	0.0239	3.1	0.685	152.4	4.7	154.1	6.5	180.3	76.6	15.5
MT 1214 193	107	444986	24115	2.11	20.470	3.5	0.161	5.6	0.0239	4.4	0.784	152.5	6.6	151.7	7.9	139.6	81.4	-9.2
MT 1214 156	95	393046	25499	2.15	20.619	3.6	0.163	6	0.0243	4.8	0.795	155.0	7.3	153.1	8.5	122.7	85.6	-26.3
MT 1214 113	64	267182	6823	2.49	22.003	7.4	0.153	9	0.0244	5.2	0.579	155.5	8	144.5	12.2	32.6	178.6	-377.0
MT 1214 95	278	1153462	35659	2.71	20.739	2.7	0.163	4	0.0245	3	0.747	155.9	4.7	153.0	5.8	108.9	63.6	-43.2
MT 1214 38	1187	4923953	124000	1.54	20.362	1.2	0.167	2.8	0.0246	2.6	0.906	156.7	4	156.4	4.1	152.1	27.9	-3.0
MT 1214 216	1005	4169284	171729	2.73	20.326	1.5	0.167	2.6	0.0247	2.1	0.811	157.1	3.3	157.0	3.8	156.2	35.7	-0.6
MT 1214 298	457	1896770	89819	3.31	20.328	2.6	0.168	4	0.0248	3	0.752	157.6	4.6	157.5	5.8	156.0	61.2	-1.0
MT 1214 196	80	332853	18159	2.59	21.456	5.9	0.159	8.3	0.0248	5.8	0.702	157.7	9.1	149.9	11.6	28.1	141.7	-461.2
MT 1214 220	344	1427186	200083	2.06	20.169	2.4	0.171	3.5	0.0251	2.6	0.736	159.7	4	160.6	5.2	174.3	54.8	8.4
MT 1214 31	846	3507157	651475	1.79	19.916	1.8	0.175	3.3	0.0253	2.7	0.826	160.9	4.3	163.7	4.9	203.7	42.6	21.0
MT 1214 310	823	3412403	61052	3.19	20.043	2	0.178	3.4	0.0259	2.7	0.797	165.1	4.4	166.7	5.2	188.9	47.5	12.6
MT 1214 145	87	360790	44870	2.27	19.956	5.2	0.181	7.6	0.0262	5.5	0.727	166.8	9.1	169.0	11.8	199.1	121.0	16.2
MT 1214 256	357	1480200	100176	1.36	19.960	2.4	0.181	3.6	0.0262	2.7	0.749	166.9	4.4	169.0	5.6	198.6	54.9	16.0
MT 1214 28	434	1799658	257314	2.17	19.809	2.1	0.183	3.8	0.0263	3.1	0.828	167.2	5.1	170.5	5.9	216.2	48.8	22.7
MT 1214 150	119	492834	18106	2.98	20.449	4.3	0.178	5.9	0.0264	4.1	0.685	167.9	6.7	166.2	9.1	142.1	101.5	-18.2
MT 1214 10	107	442823	15381	3.29	20.813	5.8	0.175	7.9	0.0264	5.3	0.68	168.3	8.9	163.8	11.9	100.5	136.1	-67.5
MT 1214 76	102	422193	78430	2.01	19.723	4.9	0.187	7.2	0.0268	5.3	0.733	170.3	8.9	174.1	11.6	226.3	114.0	24.7
MT 1214 305	587	2435569	340198	2.61	19.492	1.9	0.195	2.6	0.0276	1.8	0.676	175.6	3.1	181.1	4.4	253.4	44.5	30.7
MT 1214 136	655	2717378	118521	3	19.770	2.2	0.193	4.1	0.0277	3.4	0.838	175.8	6	179.0	6.7	220.7	51.7	20.3
MT 1214 46	478	1981143	279846	3.1	20.281	2.1	0.189	3.2	0.0278	2.4	0.745	176.5	4.1	175.5	5.1	161.4	49.5	-9.4
MT 1214 55	468	1941251	197410	3.07	19.595	2	0.195	3.7	0.0278	3.1	0.843	176.6	5.4	181.1	6.1	241.3	45.4	26.8
MT 1214 24	294	1217610	1048461	2.91	19.910	2.4	0.195	4.8	0.0281	4.1	0.859	178.8	7.2	180.6	7.9	204.4	56.7	12.5
MT 1214 249	386	1601352	25124	2.97	19.996	2.3	0.195	3.7	0.0283	2.9	0.783	180.1	5.2	181.1	6.2	194.5	54.2	7.4
MT 1214 40	81	336431	7953	2.02	20.675	7.3	0.189	8.8	0.0284	4.9	0.556	180.6	8.7	176.1	14.2	116.2	172.0	-55.4
MT 1214 203	1216	5042300	145612	1.99	20.030	1.5	0.201	2.4	0.0293	1.9	0.792	185.9	3.5	186.2	4.1	190.5	34.3	2.4
MT 1214 48	351	1456262	45897	3.76	19.597	2.4	0.207	3.8	0.0294	3	0.789	186.9	5.6	190.9	6.7	241.0	54.3	22.4
MT 1214 166	81	333970	390878	3.74	19.639	3.9	0.209	5.5	0.0297	3.9	0.709	188.7	7.3	192.3	9.7	236.1	90.1	20.1
MT 1214 233	504	2089676	208715	4.16	20.012	1.9	0.209	3.7	0.0304	3.2	0.86	192.7	6	192.7	6.5	192.6	43.6	-0.1
MT 1214 4	152	629538	34712	6.56	19.961	4.1	0.211	6.8	0.0305	5.5	0.801	193.7	10.4	194.1	12.1	198.4	94.8	2.4
MT 1214 116	387	1606464	56300	3.76	20.396	2.8	0.207	3.5	0.0306	2.2	0.615	194.3	4.2	190.9	6.1	148.2	65.3	-31.1
MT 1214 111	149	618328	574044	4.85	19.898	3.9	0.213	5.4	0.0308	3.8	0.693	195.6	7.3	196.4	9.7	205.8	90.9	5.0
MT 1214 86	57	237656	50206	6.83	20.319	4.5	0.214	8	0.0315	6.6	0.83	200.1	13.1	196.7	14.3	157.0	104.4	-27.5
MT 1214 14	375	1556707	770595	1.86	20.323	1.9	0.217	3.9	0.0320	3.4	0.867	203.1	6.7	199.4	7	156.6	45.2	-29.7
MT 1214 124	457	1894404	82781	1.22	19.488	1.7	0.238	3.1	0.0337	2.6	0.843	213.4	5.5	216.8	6.1	253.9	38.4	16.0
MT 1214 140	397	1647824	290615	4.13	19.633	2.1	0.237	3.5	0.0338	2.8	0.808	214.0	6	215.9	6.9	236.8	47.9	9.6
MT 1214 293	128	531638	37023	2.41	19.452	3.1	0.245	4.7	0.0346	3.6	0.757	219.1	7.7	222.5	9.4	258.1	70.8	15.1
MT 1214 65	253	1050898	462049	2.64	17.599	2.2	0.274	4.4	0.0349	3.9	0.873	221.3	8.4	245.5	9.6	483.7	47.6	54.2
MT 1214 229	141	583950	44413	1.58	19.687	3.1	0.304	5	0.0434	3.9	0.784	274.0	10.6	269.5	11.9	230.4	72.2	-18.9
MT 1214 187	493	2045963	1378760	4.54	18.957	1.5	0.394	3.1	0.0542	2.7	0.871	340.0	8.8	337.1	8.8	317.0	34.2	-7.3
MT 1214 283	782	3242829	124304	2.81	16.817	1.6	0.469	2.5	0.0572	1.9	0.767	358.4	6.6	390.1	8	583.2	34.4	38.5
MT 1214 200	463	1919338	648982	1.86	18.744	1.2	0.433	3.8	0.0589	3.6	0.949	368.7	13	365.1	11.7	342.7	27.3	-7.6
MT 1214 191	117	486080	14245	3.83	18.285	2.8	0.490	5	0.0650	4.2	0.829	405.8	16.5	404.7	16.9	398.6	63.2	-1.8
MT 1214 247	310	1287111	1263023	0.86	18.105	1.5	0.513	3.2	0.0674	2.8	0.884	420.5	11.3	420.5	10.9			

MT1214 79	267	1108362	3721471	4.33	9.090	0.8	4.606	2.8	0.3038	2.7	0.96	1709.9	40.2	1750.3	23.3	1798.8	14.3	4.9
MT1214 309	172	715025	94519	2.23	9.076	1	4.742	4.2	0.3122	4.1	0.972	1751.7	63.3	1774.6	35.6	1801.6	18.1	2.8
MT1214 148	146	607060	119222	2.21	8.902	0.9	4.419	4.1	0.2854	4.1	0.977	1618.6	58.1	1715.9	34.4	1836.7	15.9	11.9
MT1214 201	412	1708099	1757138	3.62	8.690	0.8	5.241	2.8	0.3305	2.7	0.959	1840.7	43.2	1859.3	24	1880.2	14.4	2.1
MT1214 66	290	1202217	555265	2.21	7.896	0.8	6.260	3.5	0.3587	3.4	0.971	1975.9	58	2012.9	30.7	2051.0	14.7	3.7
MT1214 43	312	1292110	369607	18.2	5.494	0.5	12.797	3.1	0.5102	3.1	0.988	2657.3	67.4	2664.9	29.5	2670.6	8.1	0.5
MT1214 147	28	116308	311597	0.81	5.455	1.1	12.668	9	0.5014	9	0.992	2619.7	193.2	2655.3	85.1	2682.5	18.4	2.3
MT1214 87	58	242309	2133979	0.92	5.374	0.8	12.859	5.7	0.5015	5.7	0.991	2620.0	122.6	2669.4	54.2	2707.0	12.6	3.2

TABLE S4: MT1-215CA (Tokun Formation) CA-LA-ICP-MS U-Pb ZIRCON GEOCHRONOLOGY

Zircon #	U (ppm)	238U cps	206Pb/204Pb	U/Th	206Pb/207Pb	2 σ (%)	207Pb/235U	2 σ (%)	206Pb/238U	2 σ (%)	Error Corr.	206Pb/238U	2 σ (Ma)	207Pb/235U	2 σ (Ma)	206Pb/207Pb	2 σ (Ma)	% Disc.
Composition											Ages							
MT1-214CA 1	272	915590	44.0	2.39	8.9	27938	0.060	10.4	0.009	5.3	0.516	57.4	3.1	59.3	6	137.6	208.6	58.3
MT1-214CA 10	329	1107389	44.0	2.16	5.7	84503	0.155	7	0.023	4.1	0.588	147.9	6	146.2	9.5	119.5	133.5	-23.8
MT1-214CA 100	169	568317	63.0	1.83	8.1	29132	0.148	8.9	0.023	3.7	0.421	143.6	5.3	140.5	11.7	87.5	191.3	-64.1
MT1-214CA 101	164	552701	48.0	2.52	8.9	20424	0.089	9.4	0.013	3.1	0.324	85.5	2.6	86.2	7.8	107.7	210.5	20.6
MT1-214CA 102	2361	7952263	82.0	4.48	2.9	184613	0.086	3.8	0.013	2.4	0.633	84.9	2	83.9	3	55.5	69.7	-53.0
MT1-214CA 103	299	1007160	11.0	3.93	9.4	131569	0.082	10.7	0.012	5.2	0.481	80	4.1	79.7	8.2	70.9	223.8	-12.8
MT1-214CA 104	453	1527045	23.0	2.22	7.1	110776	0.087	7.7	0.013	2.9	0.384	86.3	2.5	84.5	6.2	36.5	170	-136.4
MT1-214CA 105	468	1577336	179.0	2.58	4.9	17945	0.092	5.6	0.014	2.7	0.49	88.9	2.4	89.6	4.8	106	114.8	16.1
MT1-214CA 106	123	414155	119.0	2.66	11.6	5461	0.111	13.8	0.017	7.6	0.548	111.7	8.4	106.5	14	9.2	279.1	-1114.1
MT1-214CA 107	109	368370	1.0	3.12	16.4	133940	0.081	17.1	0.012	5	0.292	74.8	3.7	78.6	12.9	194.8	380.9	61.6
MT1-214CA 108	188	634362	1.0	2.43	8.2	303034	0.099	9.5	0.015	4.8	0.504	97.4	4.6	95.6	8.6	51.4	195.1	-89.5
MT1-214CA 109	248	834986	106.0	1.72	7.5	17360	0.090	8.4	0.014	3.8	0.456	92.2	3.5	87	7	53.1	181.8	-73.6
MT1-214CA 11	942	3173000	95.0	1.8	4.0	69513	0.093	4.4	0.014	1.9	0.428	90.1	1.7	90	3.8	87.4	95.3	-3.1
MT1-214CA 110	405	1362833	200.0	2.76	9.8	7248	0.075	10.4	0.012	3.3	0.321	79.8	2.6	73.4	7.3	500	1	84.0
MT1-214CA 111	257	866055	127.0	2.88	10.3	11176	0.094	11	0.015	3.7	0.338	94.3	3.5	90.9	9.5	1.4	248.8	-6635.7
MT1-214CA 112	240	806670	111.0	4.4	9.9	13638	0.076	10.7	0.011	4.2	0.387	72.8	3	74	7.6	110.4	233.5	34.1
MT1-214CA 113	510	1716362	200.0	2.44	8.3	8946	0.060	8.8	0.010	3	0.343	61.7	1.8	59.4	5.1	30.2	200.2	-104.3
MT1-214CA 114	121	407749	200.0	1.88	15.0	4065	0.097	16.4	0.015	6.7	0.41	94	6.3	94.2	14.8	99.7	355	5.7
MT1-214CA 115	447	1505754	156.0	2.14	6.8	13702	0.087	7.6	0.013	3.4	0.448	84.7	2.9	84.6	6.2	81.9	160.8	-3.4
MT1-214CA 116	151	508518	61.0	2.87	12.3	16641	0.092	13.1	0.013	4.7	0.361	86.2	4.1	89.3	11.2	173.3	286.2	50.3
MT1-214CA 117	872	2938373	58.0	2.13	4.9	127875	0.100	5.5	0.015	2.5	0.449	96.7	2.4	96.4	5	88	115.7	-9.9
MT1-214CA 118	558	1879254	22.0	3.09	6.5	90211	0.063	7	0.009	2.6	0.375	60.1	1.6	61.9	4.2	131.6	152.5	54.3
MT1-214CA 120	753	2534924	24.0	3.21	4.5	153832	0.073	5.8	0.011	3.7	0.641	73.1	2.7	71.9	4	32	106.8	-128.4
MT1-214CA 121	381	1283914	28.0	2.63	8.5	95114	0.092	10	0.014	5.1	0.515	89.1	4.5	89.5	8.5	101.3	202.2	12.0
MT1-214CA 122	563	1894430	98.0	2.06	4.1	67902	0.165	5	0.025	2.7	0.551	156.4	4.2	155.4	7.2	140.9	97.4	-11.0
MT1-214CA 123	116	389806	44.0	2.43	10.0	23036	0.126	11	0.019	4.7	0.422	120.8	5.6	120.3	12.5	109.9	236.3	-9.9
MT1-214CA 124	268	903351	82.0	1.36	8.5	18185	0.076	9.1	0.012	3.3	0.36	76.4	2.5	74.8	6.6	21.6	205	-253.7
MT1-214CA 125	243	819734	76.0	3.1	9.6	13536	0.054	10.3	0.008	3.7	0.357	54.5	2	52.9	5.3	18.6	232.1	-193.0
MT1-214CA 126	155	520862	134.0	3.68	9.9	12785	0.168	11.4	0.025	5.8	0.506	162.1	9.3	157.7	16.7	92.9	233.4	-74.5
MT1-214CA 127	117	393297	95.0	2.95	11.8	5312	0.154	12.9	0.024	5.2	0.405	150	7.8	145.8	17.5	77.7	280.5	-93.1
MT1-214CA 128	476	1603977	200.0	2.07	9.9	6730	0.057	10.7	0.009	4.2	0.387	58.4	2.4	56.4	5.9	29.1	240.1	-100.7
MT1-214CA 129	176	591501	133.0	3.2	8.1	13114	0.106	9.4	0.017	4.7	0.506	109.2	5.1	102.1	9.1	60.1	197.4	-81.7
MT1-214CA 13	85	285124	169.0	3.9	16.3	3579	0.156	17.5	0.024	6.3	0.361	152.4	9.5	147.2	23.9	63.5	388.7	-140.0
MT1-214CA 130	140	470228	52.0	2.53	11.0	17206	0.091	12.4	0.014	5.7	0.46	92.3	5.2	88.4	10.5	15.9	265.5	-480.5
MT1-214CA 131	590	1985634	171.0	2.13	8.0	14454	0.057	8.7	0.009	3.4	0.388	56.1	1.9	56	4.7	52.6	190.3	-6.7
MT1-214CA 132	611	2057612	3.0	1.66	3.0	2823431	0.453	5.6	0.060	4.7	0.846	373.3	17.1	379	17.6	414.1	66.5	9.9
MT1-214CA 133	282	948764	101.0	3.19	8.5	20329	0.089	9.2	0.013	3.6	0.39	85.8	3.1	86.7	7.6	112.2	199.8	23.5
MT1-214CA 134	73	244731	200.0	3.29	38.1	1610	0.075	38.9	0.014	8	0.205	89.7	7.1	73	27.4	447	1010.6	79.9
MT1-214CA 135	185	624331	182.0	2.9	8.8	14998	0.150	10.5	0.023	5.7	0.544	147.3	8.3	141.9	13.9	52.3	209.7	-181.6
MT1-214CA 136	3282	11053908	70.0	2.02	2.8	211967	0.063	3.4	0.010	2	0.574	62.9	1.2	62.3	2.1	39.2	67.2	-60.5
MT1-214CA 137	173	581959	188.0	2.7	14.5	4997	0.078	15.3	0.012	4.8	0.313	75.3	3.6	76	11.2	98.2	344.2	23.3
MT1-214CA 138	244	822728	109.0	1.88	13.2	5261	0.060	14	0.009	4.8	0.339	57.6	2.7	59.4	8.1	134	310.8	57.0
MT1-214CA 139	203	682001	52.0	2.57	12.0	20895	0.069	13.2	0.011	5.4	0.412	68.7	3.7	67.7	8.6	31.1	288.1	-120.9

MT1-214CA 14	264	889244	79.0	2.34	8.7	11879	0.147	9.2	0.023	3.1	0.34	144.2	4.5	138.9	12	49	207.1	-194.3
MT1-214CA 140	192	647988	200.0	2.17	11.1	5477	0.161	12.3	0.025	5.3	0.432	157.7	8.3	151.3	17.3	53.2	264.4	-196.4
MT1-214CA 141	375	1261736	188.0	3.01	1.4	159011	3.171	2.4	0.252	2	0.804	1448.7	25.3	1450.1	18.8	1452.2	27.5	0.2
MT1-214CA 142	101	339048	154.0	2.12	1.5	147264	12.644	4.3	0.499	4	0.934	2610.5	86.7	2653.5	40.7	2686.4	25.5	2.8
MT1-214CA 143	416	1402270	118.0	1.99	7.7	16604	0.062	8.2	0.010	2.7	0.335	61.8	1.7	60.8	4.8	22.6	184.5	-173.5
MT1-214CA 145	390	1313934	97.0	2.81	7.6	16410	0.059	8.1	0.009	2.9	0.36	56.9	1.7	58.4	4.6	117.4	179.3	51.5
MT1-214CA 146	104	349676	190.0	4.21	24.6	2626	0.061	25.8	0.010	7.6	0.294	63.9	4.8	60.4	15.1	75.1	604.2	14.9
MT1-214CA 147	294	991309	75.0	2.56	9.1	24448	0.074	11.3	0.011	6.8	0.601	70.3	4.8	72.8	8	155.9	212	54.9
MT1-214CA 148	662	2230240	183.0	4.46	3.9	35120	0.134	5	0.021	3.1	0.632	131	4.1	127.7	6	68.3	91.7	-91.8
MT1-214CA 149	484	1629299	150.0	4.77	8.1	10508	0.053	9.3	0.008	4.5	0.482	54	2.4	52.2	4.7	31.9	197.4	-69.3
MT1-214CA 15	135	453333	50.0	3.5	11.2	17887	0.087	12.1	0.013	4.7	0.384	85.1	3.9	85	9.9	80.1	265.6	-6.2
MT1-214CA 150	98	328588	2.0	3	13.3	90152	0.058	15.4	0.009	7.8	0.508	55.7	4.3	57.4	8.6	126.1	312.5	55.8
MT1-214CA 151	137	461713	33.0	1.95	1.9	491190	4.308	4.6	0.303	4.3	0.916	1706.2	63.8	1694.9	38.3	1681	34.5	-1.5
MT1-214CA 152	777	2615664	94.0	2.88	4.8	59181	0.087	5.4	0.013	2.5	0.457	85.7	2.1	84.9	4.4	61.7	114.3	-38.9
MT1-214CA 153	127	427181	163.0	3.79	48.3	1190	0.037	48.8	0.007	7.2	0.148	45.6	3.3	36.4	17.4	540	1311.3	91.6
MT1-214CA 154	375	1263113	146.0	4.65	5.6	18551	0.098	6.1	0.015	2.5	0.409	94.1	2.3	94.5	5.5	104.5	132.3	10.0
MT1-214CA 155	134	452679	98.0	2.81	10.6	9846	0.093	11.6	0.015	4.6	0.401	96.1	4.4	90	10	67.8	258.6	-41.7
MT1-214CA 156	181	610389	200.0	2.11	26.1	2426	0.043	26.4	0.008	4.2	0.157	53.2	2.2	42.7	11	500	1	89.4
MT1-214CA 157	115	386693	165.0	2.38	14.6	5172	0.084	15.7	0.014	6	0.381	89.8	5.3	81.9	12.4	143.2	360.9	37.3
MT1-214CA 158	107	359180	68.0	1.54	14.3	9274	0.090	15.5	0.012	6	0.386	78.7	4.7	87.6	13	339.6	323.5	76.8
MT1-214CA 159	531	1789316	162.0	1.53	3.0	45341	0.203	4.6	0.029	3.5	0.765	186.8	6.5	187.6	7.9	197.4	69.2	5.4
MT1-214CA 16	252	850095	120.0	1.67	10.7	5518	0.060	11.3	0.009	3.5	0.306	58.1	2	59	6.5	97.4	254.3	40.3
MT1-214CA 160	151	508472	4.0	2.06	8.6	192672	0.160	9.7	0.023	4.6	0.474	145	6.6	150.3	13.6	234.3	198.2	38.1
MT1-214CA 161	410	1380677	54.0	2.65	6.7	33163	0.063	7.4	0.010	3.2	0.437	63	2	61.7	4.4	8.9	160.7	-607.9
MT1-214CA 162	365	1228195	133.0	2.77	6.7	11408	0.092	7.3	0.014	3	0.407	89.3	2.7	89.5	6.3	95.2	158.9	6.2
MT1-214CA 164	294	990231	166.0	2.33	7.2	15366	0.082	11.4	0.013	8.8	0.772	83.4	7.3	79.9	8.7	25.4	175.2	-228.3
MT1-214CA 165	143	481575	200.0	2.66	18.1	3475	0.089	18.7	0.013	4.7	0.252	85.5	4	86.6	15.5	116.4	427.7	26.5
MT1-214CA 166	152	513005	1.0	2.47	14.0	143119	0.061	14.8	0.009	4.8	0.323	57.3	2.7	60.5	8.7	188.5	325.2	69.6
MT1-214CA 167	343	1155772	200.0	1.71	11.6	5561	0.053	12.1	0.009	3.6	0.294	55	1.9	52.3	6.2	68.3	283	19.5
MT1-214CA 168	300	1008934	160.0	3.59	8.0	19586	0.148	8.5	0.022	2.9	0.342	141.4	4.1	140.1	11.1	118.8	188	-19.0
MT1-214CA 169	221	743093	28.0	1.23	2.6	574577	1.916	3.5	0.183	2.4	0.678	1082.6	23.6	1086.6	23.3	1094.6	51.3	1.1
MT1-214CA 17	81	274427	200.0	2.77	30.5	1973	0.054	31.5	0.009	7.7	0.246	60.1	4.6	53.6	16.4	226.9	771.9	73.5
MT1-214CA 170	284	956869	4.0	3.34	7.6	189862	0.059	8.8	0.009	4.4	0.499	59.3	2.6	58.2	5	15	183.8	-295.3
MT1-214CA 171	382	1286356	71.0	2.05	4.6	34512	0.094	6	0.014	3.8	0.634	89	3.3	90.9	5.2	140.7	108.3	36.7
MT1-214CA 172	159	536158	1.0	2.93	12.0	138337	0.057	13.7	0.008	6.5	0.474	52.5	3.4	56.4	7.5	225.3	278.7	76.7
MT1-214CA 173	245	824747	200.0	1.3	12.8	4127	0.066	13.7	0.010	4.9	0.356	62.6	3	64.9	8.6	149.6	301.2	58.2
MT1-214CA 174	171	577523	102.0	2.11	10.8	12251	0.098	11.7	0.015	4.4	0.378	98	4.3	94.7	10.6	10.9	260.2	-799.1
MT1-214CA 175	393	1323229	174.0	2.43	17.0	10888	0.075	17.7	0.010	5	0.281	65.3	3.2	73.2	12.5	341.4	385.9	80.9
MT1-214CA 176	61	203944	4.0	3.37	10.3	131402	0.272	12.2	0.039	6.6	0.54	248.8	16.1	244.6	26.5	204.2	238.4	-21.8
MT1-214CA 177	127	426859	78.0	2.01	15.3	8419	0.077	17.5	0.011	8.5	0.486	71.1	6	75	12.7	200.6	355.4	64.6
MT1-214CA 179	178	600355	162.0	2.36	12.0	7400	0.076	12.9	0.012	4.7	0.361	77.3	3.6	73.9	9.2	32.9	291.8	-135.0
MT1-214CA 18	2307	7769163	27.0	3.64	3.4	31369	0.054	4.3	0.008	2.7	0.617	54	1.4	53.4	2.2	25.8	81.3	-109.3
MT1-214CA 180	351	1181964	200.0	2.43	10.2	9704	0.099	15	0.015	11	0.735	95.6	10.5	96.2	13.8	112.3	240.8	14.9
MT1-214CA 181	548	1847217	65.0	1.54	4.3	62255	0.096	5.8	0.015	3.9	0.666	93.3	3.6	93.4	5.2	94	102.5	0.7
MT1-214CA 182	119	401838	18.0	3.36	12.5	46525	0.109	13.2	0.016	4.1	0.314	102.5	4.2	104.6	13.1	152.3	293	32.7

MT1-214CA 183	454	1528365	80.0	1.78	7.7	26026	0.056	8.8	0.009	4.2	0.476	56	2.3	55.6	4.8	35.3	185.2	-58.6
MT1-214CA 184	134	450410	41.0	4.83	9.4	37217	0.165	10.6	0.024	4.9	0.465	154	7.5	155.5	15.3	177.7	218.8	13.3
MT1-214CA 185	138	463934	47.0	1.56	9.7	7199	0.169	10.8	0.026	4.7	0.438	166.5	7.8	158.4	15.8	38.1	232.6	-337.0
MT1-214CA 186	338	1139260	149.0	1.87	8.8	16936	0.096	10.1	0.014	4.9	0.484	91.8	4.4	93.4	9	134.4	207.4	31.7
MT1-214CA 187	298	1002838	1.0	2.41	8.9	268328	0.057	9.8	0.009	4.2	0.427	55.7	2.3	56.3	5.4	84.2	210.1	33.8
MT1-214CA 188	252	847976	161.0	2.43	10.1	10636	0.094	11.2	0.014	4.7	0.421	91.2	4.3	91.5	9.8	100.6	240.1	9.3
MT1-214CA 189	202	679957	68.0	2.67	10.5	18475	0.087	11.4	0.013	4.3	0.381	83.1	3.6	84.4	9.2	120.6	247.7	31.1
MT1-214CA 190	170	572090	106.0	2.7	13.0	6571	0.050	13.9	0.008	5.1	0.368	53.8	2.7	49.3	6.7	500	1	89.2
MT1-214CA 191	141	473829	2.0	2.17	10.6	314740	0.137	12	0.021	5.7	0.471	132.8	7.5	130.1	14.7	80.1	252.4	-65.8
MT1-214CA 192	384	1291954	107.0	2.7	8.5	17295	0.064	9	0.010	3.2	0.35	63.4	2	63.2	5.5	56.5	202.1	-12.2
MT1-214CA 193	1292	4350563	98.0	1.42	3.5	81665	0.079	5.3	0.012	4	0.755	78.3	3.1	76.9	3.9	35.7	83.1	-119.3
MT1-214CA 195	482	1621673	33.0	4.99	1.2	847057	5.006	2.4	0.332	2.1	0.859	1846.2	33.1	1820.3	20.3	1790.8	22.4	-3.1
MT1-214CA 196	203	684144	53.0	2.93	9.1	21720	0.079	9.7	0.012	3.5	0.36	78.3	2.7	77.4	7.2	48.4	216.6	-61.8
MT1-214CA 197	177	597328	43.0	2.03	8.2	30407	0.111	9.7	0.016	5.2	0.533	104.2	5.3	106.6	9.8	160.9	191.8	35.2
MT1-214CA 198	366	1233955	9.0	3.29	11.8	3986	0.053	12.4	0.009	4	0.319	55.3	2.2	52.5	6.4	72.7	287.8	23.9
MT1-214CA 199	191	644481	46.0	3.3	9.4	22682	0.083	10.1	0.012	3.7	0.366	74.7	2.7	80.5	7.8	256.7	215.2	70.9
MT1-214CA 2	286	964189	140.0	2.02	9.8	9472	0.069	11.1	0.011	5.3	0.476	70.6	3.7	67.7	7.3	34.7	237.3	-103.5
MT1-214CA 20	63	213491	130.0	1.89	22.8	2523	0.065	23.9	0.011	7	0.292	68.4	4.7	64.3	14.9	83.6	560.9	18.2
MT1-214CA 200	305	1027868	166.0	2.37	6.2	19063	0.201	7.7	0.030	4.6	0.598	189.6	8.6	185.8	13	138.1	144.6	-37.3
MT1-214CA 201	234	789639	155.0	2.74	15.2	4741	0.057	15.8	0.009	4.3	0.275	56.7	2.5	56.1	8.6	31.1	364.6	-82.3
MT1-214CA 202	83	279592	167.0	2.5	11.0	6626	0.173	11.9	0.026	4.6	0.389	164.8	7.5	161.7	17.8	117	258.5	-40.9
MT1-214CA 203	205	691641	168.0	4.5	11.6	6955	0.080	12.7	0.013	5.3	0.415	80.4	4.2	77.8	9.5	1.6	278.8	-4925.0
MT1-214CA 204	313	1054885	200.0	3.08	6.7	16739	0.160	7.4	0.024	3.1	0.424	151.4	4.7	150.8	10.3	142.5	157	-6.2
MT1-214CA 205	338	1139384	87.0	3.48	6.9	51490	0.149	9.5	0.023	6.5	0.683	145.1	9.3	140.9	12.4	71.6	164.2	-102.7
MT1-214CA 206	355	1195246	82.0	2.35	7.9	25504	0.066	9.1	0.010	4.6	0.508	64	2.9	64.9	5.7	99.4	185.8	35.6
MT1-214CA 207	254	855751	200.0	1.8	18.8	3345	0.057	19.2	0.009	4	0.208	60.9	2.4	56.6	10.6	122.4	464.6	50.2
MT1-214CA 208	674	2271386	200.0	2.01	4.7	24386	0.152	5.9	0.023	3.4	0.586	145.8	5	144	7.9	114	111.9	-27.9
MT1-214CA 21	141	473316	40.0	2.32	14.5	16367	0.064	16.1	0.010	7	0.437	63.8	4.5	63.4	9.9	45.6	345.8	-39.9
MT1-214CA 210	126	423285	4.0	3.18	13.6	76555	0.062	15.2	0.009	6.8	0.444	60.2	4	61.2	9	100.9	322.9	40.3
MT1-214CA 211	172	580629	154.0	3.49	6.8	15115	0.172	8.8	0.026	5.5	0.629	162.5	8.9	160.7	13.1	134.3	160.7	-21.0
MT1-214CA 212	106	357482	28.0	3.4	17.2	11941	0.058	18.4	0.008	6.4	0.35	52.1	3.3	57.1	10.2	269.7	395.1	80.7
MT1-214CA 214	181	608157	148.0	1.82	14.7	5400	0.054	15.4	0.008	4.4	0.284	54.4	2.4	53	7.9	7	356.3	-677.1
MT1-214CA 215	724	2438403	200.0	2.04	8.0	10082	0.054	8.6	0.009	3	0.352	54.7	1.6	53.6	4.5	5.3	193.8	-932.1
MT1-214CA 216	694	2335614	66.0	2.12	5.8	47636	0.057	6.6	0.009	3.3	0.497	56.3	1.8	56.7	3.7	71.9	137	21.7
MT1-214CA 217	460	1549083	124.0	1.9	7.3	18984	0.066	8	0.011	3.2	0.397	67.9	2.1	64.7	5	50.5	178.3	-34.5
MT1-214CA 218	267	899672	134.0	2.42	9.7	12758	0.089	10.7	0.013	4.4	0.409	84.9	3.7	86.6	8.9	131.3	229.1	35.3
MT1-214CA 219	755	2543931	13.0	1.41	6.1	279300	0.074	7.4	0.011	4.3	0.58	73.3	3.1	72.4	5.2	42.6	144.9	-72.1
MT1-214CA 22	183	617031	111.0	2.05	8.6	13707	0.106	9.5	0.016	4.1	0.431	101.4	4.1	102.5	9.3	127.1	202.6	20.2
MT1-214CA 220	729	2453766	111.0	4.83	5.2	46904	0.097	5.8	0.015	2.6	0.44	94	2.4	94	5.2	94.4	123.6	0.4
MT1-214CA 221	110	369312	149.0	2.56	12.2	9068	0.178	13.6	0.026	5.9	0.438	166.4	9.8	166.1	20.8	161	285.6	-3.4
MT1-214CA 222	124	419188	200.0	2.1	2.3	61343	4.591	4.5	0.296	3.9	0.859	1672.2	57.3	1747.6	37.8	1838.9	42	9.1
MT1-214CA 223	113	380720	1.0	2.48	10.0	214154	0.126	11.2	0.018	5	0.448	116.3	5.8	120.4	12.7	202.4	232.1	42.5
MT1-214CA 224	177	595476	99.0	2.88	11.5	8322	0.056	12.5	0.009	4.9	0.392	56.2	2.7	55.5	6.8	25.8	276.3	-117.8
MT1-214CA 225	224	755764	94.0	2.83	12.8	9519	0.055	13.5	0.008	4.3	0.316	52.3	2.2	54.6	7.2	155.6	299.7	66.4
MT1-214CA 226	448	1510439	178.0	2.71	7.1	19345	0.099	7.7	0.015	3.1	0.396	95.5	2.9	95.7	7.1	101	168.1	5.4

MT1-214CA 227	182	613993	200.0	2.86	13.6	4351	0.074	14.6	0.011	5.4	0.371	69.9	3.8	72.1	10.2	143.9	319.4	51.4
MT1-214CA 229	153	513992	200.0	3.26	11.8	6941	0.157	13.3	0.023	6.1	0.456	146.6	8.8	147.9	18.3	168.2	276.4	12.8
MT1-214CA 23	403	1358117	115.0	3.95	8.4	14459	0.057	9.2	0.008	3.8	0.412	53.7	2	56.3	5.1	168.3	196.8	68.1
MT1-214CA 230	204	685470	5.0	2.49	7.0	242635	0.177	8.1	0.026	4.1	0.507	164.7	6.7	165.9	12.4	182.4	162.6	9.7
MT1-214CA 231	91	306463	146.0	1.79	18.5	2596	0.082	20	0.013	7.6	0.382	81.7	6.2	79.8	15.3	22.7	444.4	-259.9
MT1-214CA 232	273	921002	200.0	3.09	17.5	3819	0.047	18.1	0.008	4.4	0.245	53.5	2.4	46.6	8.2	500	1	89.3
MT1-214CA 233	255	857765	6.0	1.82	6.3	312782	0.160	7.1	0.023	3.2	0.447	146.3	4.6	150.5	9.9	218.2	146	33.0
MT1-214CA 234	128	431312	110.0	1.74	8.3	15043	0.179	9.4	0.026	4.4	0.471	165.4	7.2	167	14.5	190.8	193.1	13.3
MT1-214CA 235	206	693573	200.0	2.52	12.5	5131	0.093	14.9	0.014	8.1	0.542	91.8	7.4	90.1	12.9	44.5	299.9	-106.3
MT1-214CA 236	641	2157184	90.0	1.71	3.5	48286	0.097	4.4	0.015	2.7	0.605	95.8	2.6	94.2	4	53.5	84.5	-79.1
MT1-214CA 237	94	316951	77.0	1.61	12.2	8895	0.083	13.1	0.014	4.7	0.358	89.9	4.2	80.9	10.2	500	1	82.0
MT1-214CA 238	412	1385862	140.0	2.38	5.1	21998	0.102	6	0.016	3	0.504	99.3	3	98.3	5.6	72.8	122.3	-36.4
MT1-214CA 239	307	1034351	200.0	1.72	5.7	19553	0.201	7.5	0.029	4.8	0.644	186.3	8.8	186.2	12.7	184.9	133.1	-0.8
MT1-214CA 24	113	381159	161.0	1.94	18.6	3127	0.094	19.3	0.015	5.1	0.266	95.1	4.8	91.2	16.8	9.5	449.4	-901.1
MT1-214CA 241	329	1109195	28.0	2.07	9.9	62993	0.075	10.5	0.012	3.7	0.353	76.2	2.8	73	7.4	30.4	239.2	-150.7
MT1-214CA 242	416	1400840	60.0	1.42	4.6	84391	0.164	6.6	0.024	4.8	0.72	155.1	7.3	153.9	9.4	135	107.8	-14.9
MT1-214CA 243	296	996679	46.0	2.55	6.7	62369	0.156	7.4	0.023	3.1	0.417	144.8	4.4	147.3	10.1	188.8	156.2	23.3
MT1-214CA 244	246	829219	103.0	2.04	10.4	15474	0.103	11.5	0.015	5	0.431	96.7	4.8	99.8	10.9	173.3	242.4	44.2
MT1-214CA 245	137	461916	200.0	2.52	39.4	1568	0.044	39.8	0.008	5.2	0.13	54.3	2.8	44.1	17.2	478.8	1053.7	88.7
MT1-214CA 246	116	390712	81.0	7.96	7.5	28438	0.293	9.1	0.042	5.1	0.557	266.6	13.2	260.8	20.9	209.3	174.8	-27.4
MT1-214CA 247	253	852482	50.0	3.13	5.7	67353	0.205	6.5	0.030	3.2	0.484	193.2	6	189	11.3	136.3	134.7	-41.7
MT1-214CA 248	215	722820	38.0	2.01	9.7	19163	0.058	11.1	0.009	5.3	0.483	55.3	2.9	57	6.1	130	228.1	57.5
MT1-214CA 249	842	2834460	74.0	2.72	7.2	51828	0.063	8.1	0.010	3.6	0.446	61.3	2.2	61.7	4.8	77.3	171.8	20.7
MT1-214CA 25	726	2443741	200.0	7.02	5.6	18786	0.067	6.2	0.011	2.7	0.432	67.6	1.8	65.9	3.9	2.8	134.4	-2314.3
MT1-214CA 250	122	410908	46.0	2.9	11.9	15983	0.080	12.8	0.013	4.7	0.37	84	4	77.9	9.6	105.5	293.4	20.4
MT1-214CA 251	556	1873348	15.0	6	5.0	181842	0.093	6.3	0.014	3.8	0.611	92.5	3.5	90	5.4	25.7	119.4	-259.9
MT1-214CA 252	134	450914	132.0	2.56	10.8	6517	0.091	12.1	0.015	5.5	0.452	95.8	5.2	88.6	10.3	101.8	266.5	5.9
MT1-214CA 253	491	1653251	61.0	2.22	4.2	110381	0.196	5.1	0.029	2.9	0.561	182.7	5.2	181.4	8.5	165	98.8	-10.7
MT1-214CA 254	263	885716	199.0	2.73	7.9	12776	0.109	9.5	0.017	5.2	0.548	108.5	5.6	104.9	9.5	23.2	190.7	-367.7
MT1-214CA 255	515	1733266	144.0	2.62	5.8	23723	0.093	6.3	0.014	2.3	0.369	88.6	2	90.6	5.4	145.8	136.4	39.2
MT1-214CA 256	262	880694	200.0	3.22	12.8	5814	0.069	13.6	0.011	4.4	0.325	68.5	3	68.2	8.9	56.4	305.9	-21.5
MT1-214CA 257	166	560375	200.0	2.56	24.1	2699	0.049	24.8	0.008	5.7	0.229	53.7	3	48.8	11.8	187.2	605	71.3
MT1-214CA 258	286	963238	15.0	2.73	8.9	113442	0.102	9.8	0.015	4.1	0.419	95.8	3.9	98.6	9.2	167.2	208.8	42.7
MT1-214CA 26	177	597724	140.0	2.78	9.2	6946	0.149	10.5	0.023	5.2	0.489	146.6	7.5	141.1	13.9	49.4	219.4	-196.8
MT1-214CA 260	213	716237	37.0	2.04	7.1	33004	0.095	8.1	0.015	3.7	0.464	93.4	3.5	91.9	7.1	52.7	170.6	-77.2
MT1-214CA 261	451	1518989	200.0	2.51	7.8	13928	0.090	9.6	0.014	5.5	0.578	89.3	4.9	87.1	8	27.2	187.7	-228.3
MT1-214CA 262	1060	3568286	111.0	2.01	5.6	59347	0.075	6.3	0.012	2.9	0.454	73.9	2.1	73	4.5	45	134.8	-64.2
MT1-214CA 263	852	2868233	114.0	1.92	5.8	28003	0.062	11.9	0.009	10.4	0.873	60.8	6.3	61.2	7	77.8	137.6	21.9
MT1-214CA 264	135	454761	155.0	4.95	10.0	9845	0.162	11	0.023	4.7	0.424	147.5	6.8	152	15.5	222.6	230.6	33.7
MT1-214CA 265	166	558209	16.0	2.84	5.0	100178	0.159	7.3	0.023	5.2	0.721	145.6	7.6	149.9	10.2	218.7	116.9	33.4
MT1-214CA 266	155	522687	47.0	2.9	9.2	23720	0.099	10.7	0.015	5.5	0.512	97.9	5.3	95.8	9.8	43.9	220.2	-123.0
MT1-214CA 267	239	804617	69.0	2.47	4.9	15576	0.207	6.3	0.031	4	0.638	193.7	7.7	191.2	11	160	114	-21.1
MT1-214CA 268	368	1239927	8.0	2.43	4.9	380972	0.195	5.8	0.029	3.2	0.543	182.7	5.7	180.9	9.6	158	114.5	-15.6
MT1-214CA 269	1003	3378446	4.0	3.19	5.6	909156	0.087	6.6	0.013	3.4	0.517	84.3	2.8	84.3	5.3	83.6	133.2	-0.8
MT1-214CA 27	104	349812	84.0	1.96	7.7	15869	0.161	9.8	0.025	6.1	0.623	160.2	9.7	151.4	13.8	17	184.9	-842.4

MT1-214CA 270	429	1446310	14.0	2.95	9.0	95711	0.055	9.8	0.008	3.9	0.399	54.3	2.1	54.3	5.2	54.9	213.8	1.1
MT1-214CA 271	207	698039	200.0	3.4	10.5	8004	0.118	11.5	0.018	4.5	0.396	113.2	5.1	113.1	12.3	111.5	248.5	-1.5
MT1-214CA 272	247	832103	177.0	2.06	12.2	6757	0.088	12.9	0.014	4	0.313	90.2	3.6	85.8	10.6	35.8	296.4	-152.0
MT1-214CA 273	657	2214034	19.0	2.08	8.4	122913	0.056	9.3	0.008	4	0.428	53.6	2.1	55.2	5	124.8	197.8	57.1
MT1-214CA 274	211	712091	86.0	3.12	12.6	11754	0.059	14.1	0.009	6.4	0.451	60.6	3.9	58.6	8.1	21.9	305.8	-176.7
MT1-214CA 275	731	2461267	200.0	1.75	6.5	14282	0.057	7	0.009	2.6	0.374	59.4	1.6	56.1	3.8	500	1	88.1
MT1-214CA 277	747	2516732	157.0	2.24	6.4	14472	0.054	7.9	0.008	4.7	0.592	53.9	2.5	53.2	4.1	18.7	153.4	-188.2
MT1-214CA 278	268	901195	5.0	1.62	5.9	195599	0.095	7.6	0.014	4.8	0.636	89.5	4.3	91.8	6.7	151.2	137.7	40.8
MT1-214CA 279	371	1250310	200.0	2.36	11.6	7831	0.056	13.1	0.009	6.1	0.465	55.6	3.4	55.7	7.1	59.4	276.9	6.4
MT1-214CA 28	275	926186	106.0	2.77	7.6	21743	0.097	8.6	0.015	4	0.469	96	3.9	94.1	7.8	46.9	182	-104.7
MT1-214CA 280	829	2790991	151.0	6.18	5.0	29081	0.070	6.4	0.011	4.1	0.632	69.7	2.8	69.1	4.3	49.9	118.7	-39.7
MT1-214CA 281	131	440973	100.0	3.51	7.6	16008	0.168	9.1	0.024	4.9	0.543	151.5	7.4	157.7	13.3	252.2	175.7	39.9
MT1-214CA 282	294	991127	2.0	1.6	6.7	456810	0.134	8.4	0.020	5.1	0.604	127.7	6.4	127.5	10.1	123.7	158.1	-3.2
MT1-214CA 283	2520	8486631	146.0	3.68	3.2	89265	0.060	3.6	0.009	1.6	0.44	59	0.9	58.8	2.1	51	77	-15.7
MT1-214CA 284	646	2175830	179.0	1.77	4.3	23129	0.096	7.3	0.015	5.9	0.811	92.9	5.5	92.8	6.5	90	101.6	-3.2
MT1-214CA 285	224	755732	153.0	1.61	7.7	20565	0.198	8.3	0.028	3	0.368	180.5	5.4	183.4	13.9	220.4	178	18.1
MT1-214CA 286	418	1406943	12.0	2.86	8.5	221759	0.096	9.5	0.015	4.2	0.44	94.5	3.9	93.5	8.5	66.6	202.9	-41.9
MT1-214CA 287	401	1349963	115.0	2.93	7.3	17259	0.059	8.9	0.009	5.2	0.58	55.7	2.9	57.9	5	146.2	170.4	61.9
MT1-214CA 288	608	2046804	200.0	2.28	5.2	34861	0.193	6.3	0.028	3.5	0.557	179.8	6.2	179	10.4	169.1	122.5	-6.3
MT1-214CA 289	719	2420068	63.0	2.03	5.3	67468	0.082	6	0.012	2.7	0.456	79.4	2.2	80	4.6	96.8	126.3	18.0
MT1-214CA 29	86	291093	200.0	2.42	14.3	4716	0.184	15.4	0.028	5.9	0.382	176	10.2	171.2	24.3	104.6	337.3	-68.3
MT1-214CA 290	375	1262399	135.0	2.1	7.2	23053	0.124	7.7	0.019	2.8	0.36	118.2	3.3	118.7	8.7	127.6	170.1	7.4
MT1-214CA 291	616	2074134	111.0	3.21	4.0	69062	0.164	4.8	0.024	2.7	0.566	153.8	4.1	154.1	6.9	159.4	92.9	3.5
MT1-214CA 292	221	744952	152.0	1.95	7.2	22360	0.224	8.1	0.028	3.8	0.468	178.5	6.7	205.2	15	525.1	156.8	66.0
MT1-214CA 293	734	2470812	200.0	6.19	4.6	26602	0.087	6.1	0.013	4	0.656	84.5	3.4	84.9	5	96.4	109	12.3
MT1-214CA 295	118	395905	114.0	2.22	15.2	5020	0.058	16.2	0.009	5.7	0.35	57.4	3.3	57.1	9	43.6	364.2	-31.7
MT1-214CA 296	113	381758	109.0	3.35	10.4	10379	0.135	12.4	0.020	6.8	0.55	127	8.6	128.3	15	152.3	243.2	16.6
MT1-214CA 297	423	1424598	116.0	10.06	8.0	25820	0.094	8.5	0.014	2.8	0.325	92.5	2.5	91	7.4	53.1	191.4	-74.2
MT1-214CA 298	627	2110548	120.0	3.34	6.1	22669	0.083	6.5	0.012	2.3	0.361	80	1.9	80.9	5.1	109.7	143.1	27.1
MT1-214CA 299	318	1072139	129.0	4.78	7.5	14416	0.075	8.6	0.011	4.2	0.492	73.3	3.1	73.2	6.1	70.1	178.3	-4.6
MT1-214CA 3	266	895914	132.0	2.14	10.1	12940	0.079	10.9	0.012	4.1	0.376	75.5	3.1	77.5	8.1	141.4	237.3	46.6
MT1-214CA 30	311	1047933	144.0	2.32	6.2	23144	0.151	7.2	0.023	3.7	0.515	145.4	5.3	142.4	9.6	92.1	146.6	-57.9
MT1-214CA 301	502	1690302	53.0	1.84	6.1	67652	0.099	7	0.015	3.5	0.505	94	3.3	95.7	6.4	138.1	142.2	31.9
MT1-214CA 302	320	1077297	100.0	1.72	9.4	14753	0.063	10.2	0.010	3.7	0.369	63.5	2.4	61.7	6.1	7.5	228	-746.7
MT1-214CA 303	559	1882871	26.0	1.7	5.1	203982	0.171	5.8	0.025	2.7	0.471	160	4.3	160	8.6	160.5	119.1	0.3
MT1-214CA 304	677	2278593	26.0	3.3	5.6	177611	0.082	6.7	0.013	3.8	0.559	80.2	3	80	5.2	73.7	132.3	-8.8
MT1-214CA 305	591	1989108	56.0	2.58	4.7	137467	0.198	5.5	0.029	2.9	0.532	184	5.3	183.7	9.3	180.1	108.9	-2.2
MT1-214CA 306	95	319027	177.0	2.17	17.4	4701	0.131	18.3	0.019	5.5	0.299	123.8	6.7	125	21.5	148.9	409	16.9
MT1-214CA 307	470	1582453	200.0	1.57	11.6	7342	0.051	11.9	0.008	2.7	0.229	52.8	1.4	50.1	5.8	78.6	283.3	32.8
MT1-214CA 308	72	240851	162.0	3.51	12.8	5950	0.160	13.8	0.025	5.1	0.371	160.2	8.1	150.7	19.3	4.1	308.2	-3807.3
MT1-214CA 309	227	765473	136.0	2.63	8.1	14168	0.146	8.9	0.023	3.7	0.418	147.4	5.4	138.6	11.5	9.8	195	-1404.1
MT1-214CA 31	186	627915	143.0	2.37	8.8	11049	0.122	9.7	0.019	4	0.415	118.4	4.7	116.4	10.7	75.4	209.6	-57.0
MT1-214CA 310	193	651194	34.0	2.85	5.9	72714	0.206	7.2	0.030	4.1	0.575	188	7.6	190	12.4	214.7	135.7	12.4
MT1-214CA 311	270	908938	71.0	1.74	7.7	27562	0.101	8.2	0.015	2.9	0.358	95.3	2.8	97.4	7.6	147.9	179.9	35.6
MT1-214CA 312	566	1905102	129.0	2.74	6.5	25775	0.095	7.4	0.014	3.4	0.458	91.5	3.1	91.8	6.5	98.6	154.9	7.2

MT1-214CA 313	217	729437	146.0	3.06	11.3	8724	0.093	11.8	0.013	3.3	0.276	86.3	2.8	90.7	10.2	206.3	263.2	58.2
MT1-214CA 314	404	1359023	1.0	2.58	5.9	729671	0.156	6.8	0.023	3.4	0.495	147.2	4.9	146.9	9.3	142.5	138.6	-3.3
MT1-214CA 315	269	906031	51.0	3.52	11.6	22593	0.057	12.3	0.008	4.2	0.34	53.4	2.2	56	6.7	170.6	271.4	68.7
MT1-214CA 32	209	702382	27.0	2.64	13.1	28548	0.061	14.1	0.009	5.3	0.377	58.5	3.1	60.4	8.3	137.7	307.1	57.5
MT1-214CA 33	98	329134	39.0	2.08	13.7	10772	0.070	15.9	0.010	8.1	0.509	63.5	5.1	68.3	10.5	238.3	315.6	73.4
MT1-214CA 34	162	546208	107.0	1.83	9.5	11306	0.098	10.4	0.015	4.2	0.404	93.6	3.9	95.2	9.5	135.8	224	31.1
MT1-214CA 35	207	695864	102.0	1.8	12.2	15918	0.091	13.6	0.013	6	0.441	85.5	5.1	88.8	11.6	179.8	284.5	52.4
MT1-214CA 36	113	379395	5.0	3.55	11.7	80981	0.087	12.2	0.013	3.6	0.293	81.7	2.9	84.6	9.9	167.4	273.6	51.2
MT1-214CA 37	383	1291132	1.0	1.88	5.1	781094	0.170	5.9	0.025	2.9	0.487	161.2	4.5	159.1	8.6	128.3	120.5	-25.6
MT1-214CA 38	348	1172054	24.0	3.12	5.0	154726	0.161	6.2	0.024	3.7	0.591	153.2	5.5	151.9	8.7	132.2	117.2	-15.9
MT1-214CA 39	61	203951	200.0	2.47	58.8	1038	0.060	59.5	0.011	9.3	0.156	72.9	6.7	59.4	34.4	455.9	1578.7	84.0
MT1-214CA 4	1760	5927291	200.0	39.89	3.5	43372	0.076	4.9	0.012	3.3	0.688	74.6	2.5	74.4	3.5	70.7	83.8	-5.5
MT1-214CA 40	207	697331	42.0	4.18	11.7	20894	0.058	13.2	0.009	6.1	0.463	56.3	3.4	57.6	7.4	113	275.9	50.2
MT1-214CA 41	311	1048099	76.0	3.58	10.5	20179	0.060	11.1	0.009	3.6	0.326	58	2.1	58.9	6.4	92.4	249.4	37.2
MT1-214CA 42	144	486240	72.0	1.67	14.6	7674	0.057	15.5	0.008	5	0.323	51.9	2.6	55.8	8.4	224	338.6	76.8
MT1-214CA 43	183	614704	114.0	3.06	8.1	16955	0.165	9.2	0.024	4.4	0.48	150.6	6.6	155.2	13.2	225.9	186.6	33.3
MT1-214CA 44	162	545049	170.0	6.36	7.7	16565	0.228	8.4	0.033	3.3	0.389	208.2	6.7	208.2	15.8	208.6	179.2	0.2
MT1-214CA 46	203	682224	128.0	4.97	12.2	11385	0.088	12.8	0.013	3.6	0.285	83	3	85.3	10.4	149.8	287.2	44.6
MT1-214CA 47	1627	5477889	60.0	2.51	3.6	114772	0.056	4.5	0.009	2.6	0.578	55.7	1.4	55.4	2.4	39.6	87.1	-40.7
MT1-214CA 48	731	2461497	200.0	3.07	5.5	13072	0.070	6.1	0.011	2.7	0.444	67.3	1.8	68.8	4.1	119.6	129.6	43.7
MT1-214CA 49	447	1504639	134.0	3.01	6.7	19707	0.074	7.3	0.012	3	0.405	74.4	2.2	72.6	5.1	12.7	160.1	-485.8
MT1-214CA 5	106	355609	164.0	2.48	21.9	2606	0.065	22.9	0.011	6.6	0.29	72.3	4.8	64.1	14.2	235.8	555	69.3
MT1-214CA 50	326	1098590	72.0	2.22	7.3	26009	0.076	8.9	0.012	5	0.56	75.6	3.7	73.9	6.3	19.7	176.3	-283.8
MT1-214CA 51	104	351192	129.0	2.94	10.6	7480	0.117	12	0.019	5.7	0.472	119.1	6.7	112.1	12.8	33.8	257.9	-252.4
MT1-214CA 52	166	558177	130.0	1.9	7.3	15126	0.153	9.8	0.023	6.4	0.66	149.7	9.5	144.9	13.2	66.9	174.5	-123.8
MT1-214CA 53	59	197919	7.0	3.41	13.6	47581	0.124	15.7	0.018	7.9	0.503	113.1	8.9	118.2	17.5	221.4	313.8	48.9
MT1-214CA 54	68	227359	67.0	1.43	1.6	226993	10.436	5.2	0.458	4.9	0.95	2431.4	99.3	2474.3	47.9	2509.6	27.2	3.1
MT1-214CA 55	571	1921427	200.0	4.13	7.8	10250	0.058	8.2	0.009	2.5	0.312	57.1	1.4	57.2	4.5	61.2	184.7	6.7
MT1-214CA 56	324	1091715	104.0	56.13	8.6	21176	0.083	9.8	0.013	4.6	0.475	82.1	3.8	80.7	7.6	38.1	205.5	-115.5
MT1-214CA 57	160	537973	127.0	1.77	10.4	8727	0.090	11.2	0.014	4	0.361	89.4	3.6	87.7	9.4	41	249	-118.0
MT1-214CA 59	360	1212237	94.0	4.89	7.2	20812	0.076	8.8	0.012	5	0.57	74.7	3.7	74.2	6.3	57.6	172.5	-29.7
MT1-214CA 6	86	289119	30.0	1.89	2.5	348581	4.224	5.9	0.296	5.4	0.906	1671.9	79.1	1678.7	48.7	1687.1	46.4	0.9
MT1-214CA 60	184	619476	165.0	1.22	16.7	4441	0.052	17.5	0.008	5.3	0.305	49	2.6	51.2	8.7	153.9	391.6	68.2
MT1-214CA 61	159	534914	31.0	3.33	25.3	21718	0.077	25.8	0.009	4.8	0.186	55.4	2.7	75.4	18.7	765	535.8	92.8
MT1-214CA 62	564	1899507	122.0	1.76	4.1	58879	0.159	4.8	0.024	2.4	0.51	151.1	3.6	149.6	6.6	124.8	96.6	-21.1
MT1-214CA 63	91	305541	69.0	1.5	1.6	333613	14.543	5.3	0.541	5.1	0.957	2788	115.6	2785.8	50.7	2784.2	25.5	-0.1
MT1-214CA 65	411	1385712	62.0	3.11	9.1	24297	0.052	10.9	0.008	5.9	0.544	51.2	3	51.2	5.4	51.2	217.5	0.0
MT1-214CA 66	504	1697041	132.0	1.6	4.6	24040	0.082	5.9	0.013	3.6	0.621	82.4	3	80.2	4.5	14.7	110.6	-460.5
MT1-214CA 67	731	2460451	109.0	3.28	6.0	31974	0.061	6.6	0.010	2.9	0.439	61.2	1.8	59.9	3.9	10.8	143.4	-466.7
MT1-214CA 68	161	541476	117.0	2.02	14.1	6323	0.062	15.2	0.009	5.6	0.371	59.6	3.3	60.8	9	109.9	333.1	45.8
MT1-214CA 69	308	1036137	200.0	3.53	6.7	13231	0.161	8.6	0.024	5.3	0.621	155.7	8.2	151.2	12.1	81.1	159.9	-92.0
MT1-214CA 7	190	638458	93.0	2.88	10.3	9462	0.057	11	0.009	4.1	0.37	56.9	2.3	56	6	19.9	246.5	-185.9
MT1-214CA 71	692	2328854	44.0	2.19	2.5	231046	0.206	3.5	0.030	2.5	0.701	191.2	4.6	190.3	6.1	178.4	58.3	-7.2
MT1-214CA 72	103	347937	23.0	2.15	8.6	32420	0.121	10.1	0.019	5.3	0.523	123.6	6.5	116.1	11.1	33.6	208.7	-267.9
MT1-214CA 73	100	335127	186.0	2.08	18.2	3510	0.087	19.2	0.014	6.1	0.318	87	5.3	84.7	15.6	22.2	437.2	-291.9

MT1-214CA 74	97	327464	200.0	11.07	12.0	6033	0.228	13.7	0.034	6.7	0.488	214.5	14.1	208.3	25.9	138	281.9	-55.4
MT1-214CA 75	193	648755	84.0	3.79	7.1	18395	0.099	7.9	0.016	3.5	0.441	103.5	3.6	96.2	7.2	80.8	172.9	-28.1
MT1-214CA 76	219	737816	109.0	2.09	10.0	5287	0.091	10.7	0.014	3.7	0.347	92.2	3.4	88.4	9.1	13.7	242.9	-573.0
MT1-214CA 77	87	291876	90.0	2.56	15.6	6418	0.080	17.4	0.013	7.6	0.439	82.7	6.3	78.1	13.1	61.2	381.1	-35.1
MT1-214CA 78	2358	7942932	94.0	3.06	3.8	98406	0.052	4.3	0.008	1.8	0.427	53	1	51.7	2.1	9.8	92.9	-440.8
MT1-214CA 79	145	489579	14.0	2.74	12.0	65622	0.118	12.7	0.017	4	0.312	109.3	4.3	113.2	13.6	194.9	280.3	43.9
MT1-214CA 8	260	874135	64.0	4.41	3.5	109359	0.452	5	0.060	3.6	0.722	377.2	13.2	378.5	15.8	386.3	77.6	2.4
MT1-214CA 80	245	824433	57.0	2.75	11.0	18153	0.059	12.4	0.009	5.5	0.449	56.6	3.1	58.1	7	119.2	260.6	52.5
MT1-214CA 81	528	1779260	19.0	1.78	5.0	15977	0.092	5.8	0.014	3	0.519	91.4	2.7	89.7	5	42.9	118.9	-113.1
MT1-214CA 82	82	275281	92.0	3.18	13.6	10926	0.174	14.7	0.025	5.6	0.381	156.5	8.7	162.4	22.1	249.8	313.5	37.3
MT1-214CA 83	161	542430	48.0	2.4	1.8	457533	4.301	3.9	0.299	3.5	0.887	1686.6	51.5	1693.4	32.2	1702	33.3	0.9
MT1-214CA 84	786	2648592	79.0	2.82	6.5	40752	0.055	6.9	0.009	2.6	0.367	55.5	1.4	54.6	3.7	17.3	155.2	-220.8
MT1-214CA 85	788	2653597	30.0	2.43	3.7	287649	0.171	4.4	0.025	2.4	0.536	158.6	3.7	159.9	6.6	178.7	87.3	11.2
MT1-214CA 86	248	835223	118.0	2.24	3.5	66185	0.456	5	0.062	3.7	0.727	388.9	13.8	381.3	16	335.5	78.2	-15.9
MT1-214CA 87	152	513374	9.0	2.14	9.1	148069	0.172	9.8	0.025	3.6	0.37	160	5.7	161.4	14.6	182.3	211.9	12.2
MT1-214CA 88	245	823925	101.0	1.24	1.4	300006	7.381	3.9	0.378	3.6	0.931	2067.2	64.3	2158.6	34.9	2246.8	24.6	8.0
MT1-214CA 89	164	553944	128.0	3.77	6.9	16769	0.165	8.7	0.025	5.4	0.617	156	8.3	154.8	12.5	135.9	161.2	-14.8
MT1-214CA 9	217	729174	52.0	2.56	8.3	29062	0.092	9.5	0.014	4.7	0.49	90.3	4.2	89.1	8.1	57.8	197.6	-56.2
MT1-214CA 90	462	1554617	3.0	2.92	3.0	839471	0.202	4.2	0.030	3	0.709	188.8	5.5	187	7.2	163.8	69	-15.3
MT1-214CA 91	141	474702	63.0	2.46	16.0	9132	0.054	16.8	0.008	5	0.298	53	2.6	53.5	8.8	75.7	381.6	30.0
MT1-214CA 92	251	845782	36.0	1.65	10.5	25966	0.051	11.3	0.008	4.4	0.384	53.1	2.3	50.5	5.6	72.5	256	26.8
MT1-214CA 94	188	633684	1.0	2.45	8.2	230033	0.075	9.9	0.012	5.5	0.555	74	4	73.8	7	68.3	195.4	-8.3
MT1-214CA 95	1937	6524620	57.0	1.61	3.7	165342	0.063	4.9	0.010	3.3	0.665	62.3	2	62.5	3	69.1	87.8	9.8
MT1-214CA 96	86	288078	179.0	2.87	43.9	1453	0.058	44.4	0.012	6.5	0.146	78.1	5	56.8	24.5	500	1	84.4
MT1-214CA 97	272	917016	27.0	5.82	10.2	33256	0.055	10.8	0.009	3.5	0.324	54.8	1.9	54.6	5.7	49.1	243.9	-11.6
MT1-214CA 98	123	412910	92.0	10.1	9.1	14541	0.144	10	0.021	4.2	0.42	135.6	5.6	136.1	12.7	145.2	212.5	6.6
MT1-214CA 99	785	2644581	12.0	3.7	6.1	189397	0.052	6.7	0.008	2.9	0.432	52.9	1.5	51.6	3.4	6.5	146.3	-713.8

Table S5. DZStats Quantitative Comparison Statistics of Untreated to Treated Aliquots	
Tokun Fm. (MT1-215)	
Cross correlation Coefficient	0.933
Likeness	0.858
Similarity	0.963
K-S p value	0.833
K-S test k statistic	0.050
Kuiper Test p value	0.463
Kuiper Test v statistic	0.101
Kulthieth Fm. (SK2-535)	
Cross correlation Coefficient	0.903
Likeness	0.843
Similarity	0.975
K-S p value	0.072
K-S test k statistic	0.107
Kuiper Test p value	0.301
Kuiper Test v statistic	0.114
Untreated Tokun and Kulthieth Fms.	
Cross correlation Coefficient	0.930
Likeness	0.831
Similarity	0.949
K-S p value	0.212
K-S test k statistic	0.086
Kuiper Test p value	0.738
Kuiper Test v statistic	0.086
Treated Tokun and Kulthieth Fms.	
Cross correlation Coefficient	0.924
Likeness	0.833
Similarity	0.952
K-S p value	0.002
K-S test k statistic	0.155
Kuiper Test p value	0.023
Kuiper Test v statistic	0.155

Table S6. U-Pb Zircon CA-ID-TIMS Geochronology Results for Untreated and Treated Aliquots of the Tokun and Kulthieth Fms.

Dates (Ma)										Composition					Isotopic Ratios																				
206Pb/					207Pb/																														
238U		±2σ	207Pb/		±2σ	206Pb		±2σ	Corr.	Th/	Pb*	Pbc	Pb*/	206Pb/	208Pb/	206Pb/	207Pb/		207Pb/																
Fractior	<Th>	a	abs	235U	b	abs	<Th>	abs	coef.	% disc	c	U	d	(pg)	e	(pg)	f	Pbc	ξ	204Pb	h	206Pb	i	238U	i	±2σ	%	235U	i	±2σ	%	206Pb	i	±2σ	%
zircon																																			
Untreated Tokun Fm. (MT1-214-noCA)																																			
z022	53.01	0.25	52.8	2.7	43	120	0.765	-11.44	0.29	1.37	0.38	4	253	0.094	0.008242	0.47	0.0534	5.2	0.0470	4.9															
z052	53.05	0.68	46.4	7.8	-286	410	0.780	118.81	0.27	0.569	0.44	1	105	0.086	0.00825	1.3	0.0467	17	0.0411	16															
z276	51.971	0.097	52.27	0.93	66	40	0.776	26.29	0.56	3.42	0.30	11	710	0.181	0.008080	0.19	0.05283	1.8	0.04744	1.7															
Treated Tokun Fm. (MT1-214CA-MDA)																																			
z042	52.98	0.13	52.7	1.3	41	58	0.729	-15.91	0.40	3.14	0.42	8	498	0.128	0.008237	0.24	0.0533	2.6	0.0470	2.4															
z065	52.83	0.13	53.0	1.4	60	58	0.738	17.67	0.38	5.14	0.70	7	486	0.123	0.008214	0.25	0.0536	2.6	0.0473	2.4															
z212	53.50	0.67	52.1	7.5	-11	330	0.768	957.19	0.29	0.568	0.43	1	105	0.092	0.00832	1.3	0.0527	15	0.0459	14															
z225	53.49	0.90	51	10	-54	460	0.773	207.85	0.43	0.886	0.90	1	81	0.137	0.00832	1.7	0.052	20	0.0451	19															
Untreated Kulthieth Fm. (SK2-535noCA)																																			
z113	44.921	0.035	44.96	0.17	47.0	8.3	0.650	13.52	0.59	22.9	0.38	60	3610	0.188	0.0069786	0.077	0.04527	0.39	0.04707	0.35															
z141	44.876	0.063	45.04	0.59	54	29	0.727	23.42	0.58	5.51	0.33	17	1031	0.187	0.0069715	0.14	0.04535	1.3	0.04720	1.2															
z312	44.51	0.39	43.3	4.3	-22	230	0.770	369.89	0.40	0.762	0.39	2	142	0.127	0.006914	0.88	0.0436	10	0.0458	9.6															
Treated Kulthieth Fm. (SK2-535CA-MDA)																																			
z001	44.704	0.096	45.00	0.97	61	49	0.735	32.20	0.42	11.2	1.28	9	569	0.135	0.006944	0.22	0.0453	2.2	0.04735	2.1															
z116	44.718	0.039	44.81	0.28	50	14	0.582	18.90	0.37	12.1	0.39	31	2018	0.118	0.0069459	0.086	0.04512	0.64	0.04714	0.59															
z120	44.960	0.046	45.08	0.38	51	19	0.643	20.54	0.45	8.71	0.38	23	1461	0.144	0.0069840	0.10	0.04540	0.86	0.04716	0.80															
z179	44.711	0.040	44.80	0.25	50	12	0.600	18.49	0.42	13.8	0.39	35	2233	0.135	0.0069451	0.090	0.04511	0.56	0.04713	0.51															
z220	44.69	0.23	45.4	2.5	81	120	0.770	48.18	0.47	2.12	0.63	3	227	0.152	0.006942	0.52	0.0457	5.6	0.0478	5.2															
z289	44.724	0.099	44.9	1.1	53	54	0.740	23.18	0.45	4.08	0.51	8	519	0.144	0.006947	0.22	0.0452	2.4	0.0472	2.3															

a Corrected for initial Th/U disequilibrium using radiogenic 208Pb and Th/U[magma] = 3.50000.

b Isotopic dates calculated using $\lambda_{238} = 1.55125\text{E-}10$ (Jaffey et al. 1971) and $\lambda_{235} = 9.8485\text{E-}10$ (Jaffey et al. 1971).

c % discordance = $100 - (100 * (206\text{Pb}/238\text{U date}) / (207\text{Pb}/206\text{Pb date}))$

d Th contents calculated from radiogenic 208Pb and 230Th-corrected 206Pb/238U date of the sample, assuming concordance between U-Pb Th-Pb systems.

e Total mass of radiogenic Pb.

f Total mass of common Pb.

g Ratio of radiogenic Pb (including 208Pb) to common Pb.

h Measured ratio corrected for fractionation and spike contribution only.

i Measured ratios corrected for fractionation, tracer and blank.

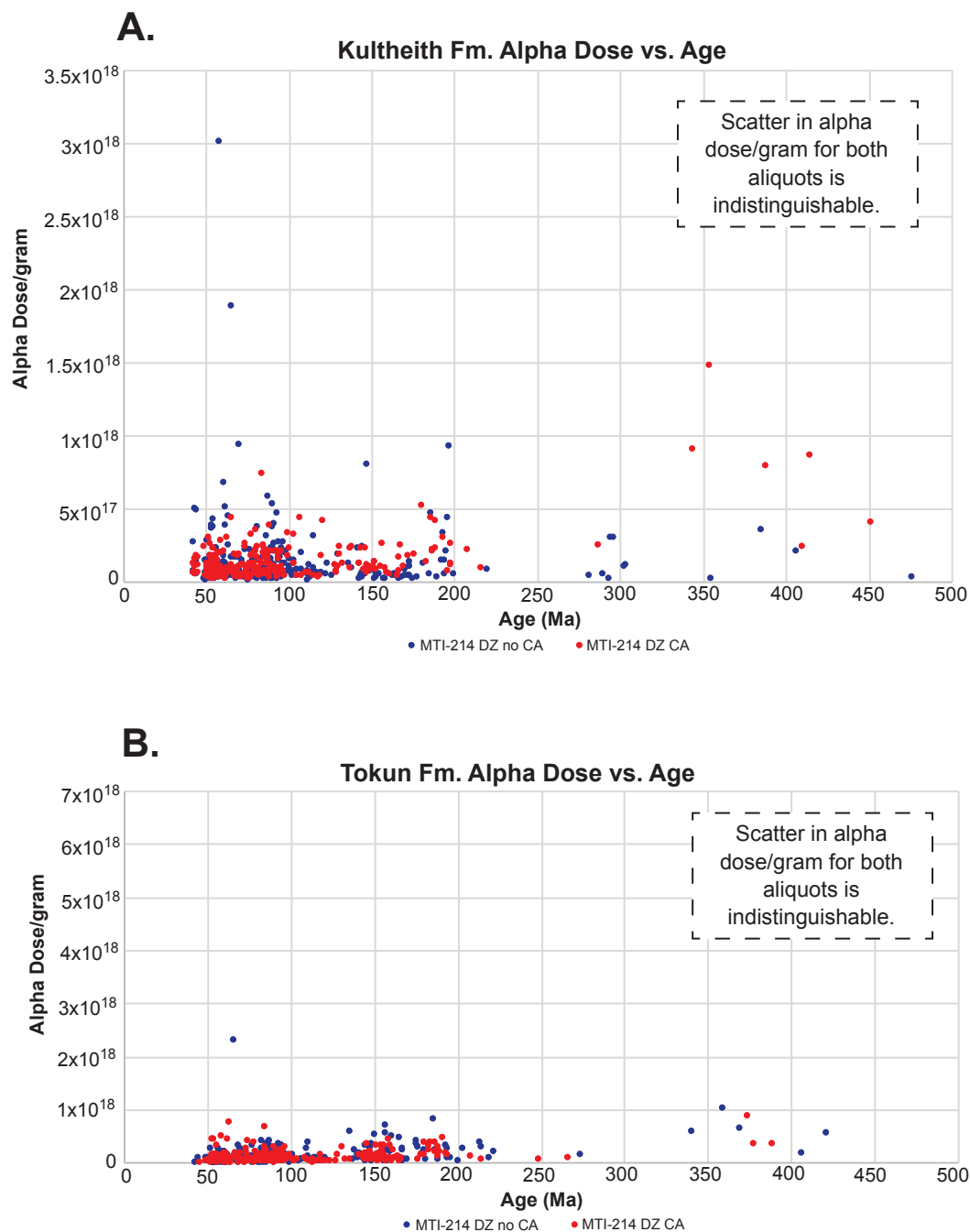


Figure S1. Scatter plots of alpha dose/gram plotted against age (Ma) and for both treated and untreated aliquots of the **(A)** Kultheith (SK2-535) and **(B)** Tokun (MT1-215) Formations.

Table S7. Comparison of ^{238}U concentrations between treated and untreated aliquots

	^{238}U (cps)			^{238}U (cps)		
	Tokun Formation		% diff.	Kulthieth Formation		% diff.
	MT1-215 (no CA)	MT1-215 (CA)	CA to no CA	SK2-535 (no CA)	SK2-535 (CA)	CA to no CA
Age Group						
40-50 Ma	1.28E+06	5.23E+05	-59.1	2.72E+06	2.07E+06	-23.6
50-53 Ma	1.82E+06	1.11E+06	-39.3	2.31E+06	1.65E+06	-28.7
53-60 Ma	1.51E+06	1.62E+06	7.7	2.12E+06	1.44E+06	-32.0
60-70 Ma	2.92E+06	1.82E+06	-37.5	2.36E+06	1.45E+06	-38.8
70-80 Ma	1.58E+06	1.37E+06	-13.1	2.38E+06	1.10E+06	-53.9
80-90 Ma	1.66E+06	1.25E+06	-24.7	1.80E+06	1.60E+06	-10.9
90-100 Ma	1.54E+06	1.20E+06	-22.0	1.72E+06	1.07E+06	-37.5
100-120 Ma	1.07E+06	5.83E+05	-45.3	1.97E+06	1.05E+06	-46.6
120-140 Ma	1.93E+06	6.93E+05	-64.0	1.40E+06	1.06E+06	-24.4
140-160 Ma	1.44E+06	9.61E+05	-33.1	2.31E+06	7.01E+05	-69.7
160-180 Ma	1.70E+06	7.13E+05	-58.1	1.77E+06	8.68E+05	-50.8
180-200 Ma	1.39E+06	1.31E+06	-6.2	2.17E+06	1.17E+06	-46.0
200-540 Ma	1.37E+06	7.48E+05	-45.6	2.10E+06	1.25E+06	-40.2
>540 Ma	1.14E+06	6.40E+05	-44.1	1.46E+06	N/A	N/A