

Supplemental Material

XRF data and grain size data CBT-CS11

XRF 10KV															XRF 30kv						
CoreDepth_cm	LiveTime	RealTime	Age (yrs cal BP)	Al_Area	Al_ChiSqr	Si_Area	Si_ChiSqr	S_Area	S_ChiSqr	Ca_Area	Ca_ChiSqr	Ti_Area	Ti_ChiSqr	Fe_Area	Fe_ChiSqr	LiveTime	RealTime	CoreDepth_cm	Age (cal BP)	Sr_Area	Sr_ChiSqr
5	10	12	44.903	1269	3.2	15208	80.8	4047	3.6	337831	23.8	4360	0.8	43199	21.1	10	10	5	44.903	5660	220.4
6	10	12	63.702	1370	1.8	17302	87.4	4191	4	343227	28.7	4816	0.9	45177	24.2	10	10	6	63.702	10945	0.5
7	10	12	81.824	1438	3.8	17605	89.3	3938	4.2	354098	24.9	4703	1.4	44184	25.7	10	10	7	81.824	10979	0.8
8	10	12	99.289	1785	3.7	19768	93.6	4214	5.2	350573	27.1	5423	1	49868	27.1	10	10	8	99.289	10944	1
9	10	12	116.12	1303	2.7	16944	81.1	3715	2.1	350503	26.4	4974	1.1	43888	25	10	10	9	116.12	11340	1.1
10	10	12	132.33	1211	3.5	15719	72.1	4020	3.7	354538	21.7	4607	1.3	40197	24.3	10	10	10	132.33	11205	1.2
11	10	12	147.95	1585	3.5	18772	86.7	4318	5.2	343093	26.1	4712	0.8	45274	26.1	10	10	11	147.95	11113	1
12	10	12	162.99	1631	4.4	19720	84.4	4515	3.9	336690	26.7	5280	0.7	48262	26.2	10	10	12	162.99	10866	0.8
13	10	12	177.47	1732	1.8	20911	90.7	4365	5.2	319532	29.7	5481	1.5	52346	23.8	10	10	13	177.47	9990	0.7
14	10	12	191.42	1509	4	18926	90.1	4302	4.5	335791	25.3	4901	1.1	47370	27.2	10	10	14	191.42	10775	0.9
15	10	12	204.85	1516	3.1	18645	83.1	4446	3.4	341248	23.8	5104	1.2	46272	24.9	10	10	15	204.85	10869	0.9
16	10	12	217.77	1606	3.2	18864	83	4697	3.9	351665	28.1	4948	0.9	44613	26.3	10	10	16	217.77	11306	0.9
17	10	12	230.22	1420	2.2	16617	73.5	5015	4.9	361310	24	4131	0.8	39589	24.7	10	10	17	230.22	11580	0.6
18	10	12	242.2	1545	3.1	18431	75	5213	5	348405	24.9	4985	0.9	44120	28.3	10	10	18	242.2	11135	0.7
19	10	12	253.74	1672	2.6	18890	85	5363	4.5	347980	26.5	4844	1.1	43604	29.5	10	10	19	253.74	11116	0.8
20	10	12	264.85	1562	3.6	19228	79.5	4990	6.9	352937	29.7	4966	0.9	43512	27.7	10	10	20	264.85	11111	1.2
22	10	12	285.85	1803	2.4	23398	93.5	5397	7.5	371132	31	5189	1.7	47184	34.7	10	10	22	285.85	11422	0.7
23	10	12	295.78	1308	2.5	17079	79.3	5024	4	328079	24.6	4670	0.9	40538	26.6	10	10	23	295.78	10708	0.8
24	10	12	305.34	1173	3.1	15007	67.1	4493	5	301523	23.3	3928	1.4	37701	22.4	10	10	24	305.34	10240	0.8
25	10	12	314.57	1293	1.8	15667	75.3	4929	5.2	332655	25.1	4232	1.5	38446	23.2	10	10	25	314.57	10527	0.9
26	10	12	323.46	1243	2.5	15568	76.4	4874	4.1	330842	25	3893	0.6	36406	28	10	10	26	323.46	10675	0.8
27	10	12	332.04	1710	2.7	19559	83.3	5051	5.4	360366	28	4539	0.8	42193	30.6	10	10	27	332.04	11150	1.1
28	10	12	340.33	1527	2.5	19419	85.7	5094	6	379033	29.1	4751	1.3	42480	30.6	10	10	28	340.33	11555	0.6
29	10	12	348.34	1443	3.3	18152	70.8	5191	5.7	374355	22.7	4414	1.1	39915	28.6	10	10	29	348.34	11763	0.8

30	10	12	356.08	1372	2.5	19248	80.3	5217	6.3	374522	26.3	4709	1.5	40785	30.8	10	10	30	356.08	11625	1.1
31	10	12	363.56	1706	3.3	19611	82	5308	5.9	362769	26.2	4864	1	44587	29.1	10	10	31	363.56	11135	0.4
32	10	12	370.82	1497	1.9	18946	87.4	5479	4.2	388723	23.8	4448	1.6	40998	28.7	10	10	32	370.82	11589	1
33	10	12	377.84	1424	1.4	17503	77.6	5727	5.3	365879	26	4459	1.2	40359	28.3	10	10	33	377.84	11308	1.2
34	10	12	384.67	1396	2.1	18394	80.2	5159	4.8	384972	25.7	3971	1.5	37301	31.7	10	10	34	384.67	11527	0.8
35	10	12	391.29	1353	2.4	17746	77.9	4811	6.7	396493	23.4	3805	0.8	36567	30	10	10	35	391.29	11778	0.7
36	10	12	397.74	1202	1.6	16299	62.3	4858	4.5	376994	20.2	3475	0.9	34675	23.7	10	10	36	397.74	11790	1
37	10	12	404.02	1031	1.4	13697	66.5	4766	4.4	338942	21.1	3865	1.3	34048	23.4	10	10	37	404.02	10820	1.1
38	10	12	410.15	1353	1.3	16471	76.8	4907	3.3	359171	24.5	4023	1	36624	28.8	10	10	38	410.15	11178	1.1
39	10	12	416.13	1012	2.3	14153	64.1	4497	6.3	371117	22.6	3430	1.1	30667	28	10	10	39	416.13	11564	1.5
40	10	12	421.99	1027	2	14451	59.2	4844	5.9	386540	18.7	3592	1.1	35202	23.5	10	10	40	421.99	12365	0.7
41	10	12	427.74	1232	3.7	15120	65.4	4820	4.9	372802	21.7	4106	0.7	36336	26.3	10	10	41	427.74	11720	1.5
42	10	12	433.37	1085	2.4	14344	58.8	4743	5.3	364536	22.4	3946	1.6	36078	22	10	10	42	433.37	11697	1
43	10	12	438.92	1147	1.7	14646	73.5	5372	4.4	374178	21.6	3822	1.5	35212	26.5	10	10	43	438.92	11539	0.8
44	10	12	444.39	1120	1.7	14918	68.5	5074	4.5	375871	22.9	4079	0.6	37181	25.4	10	10	44	444.39	11836	0.8
45	10	12	449.79	1188	1.5	14188	68.3	5110	3.8	356785	19.4	3747	0.7	35593	24.1	10	10	45	449.79	11593	0.8
46	10	12	455.14	1151	2.4	13606	64.8	4552	5.9	364309	19.9	3812	0.7	34806	24.2	10	10	46	455.14	11365	0.7
47	10	12	460.44	1140	1.7	13920	66.6	5198	7.1	363529	22.8	3786	0.8	35593	24.6	10	10	47	460.44	11970	0.7
48	10	12	465.71	1019	1.8	13270	63.6	4929	5.7	358161	19.1	3464	1.1	33194	26.8	10	10	48	465.71	11564	0.6
49	10	12	470.95	1214	3.1	14429	62.1	4578	6.1	354037	22.8	3722	0.6	34485	24.9	10	10	49	470.95	11248	1
50	10	12	476.18	1338	2.1	15644	62.8	5259	5.9	371665	22.7	4085	1.1	34624	24.9	10	10	50	476.18	11380	0.8
51	10	12	481.41	1145	2.2	15617	64.6	5077	4.7	384123	20.3	3915	0.9	35081	28.4	10	10	51	481.41	11891	0.9
52	10	12	486.65	1305	2.1	16040	72.7	5034	7	386058	23.6	4319	1.9	35540	28.6	10	10	52	486.65	11918	1.3
53	10	12	491.9	1360	2.1	15999	71.5	4928	5.4	394094	21.8	4323	1.7	36699	24	10	10	53	491.9	12228	1
54	10	12	497.18	1262	1.8	15288	71.4	5352	7.2	371779	22.8	4057	0.8	36408	28.5	10	10	54	497.18	11649	0.9
55	10	12	502.5	1224	1.7	14791	67.4	4992	4.1	375276	20	3878	1.1	34237	26.7	10	10	55	502.5	11953	1.1
56	10	12	507.87	1215	2.7	15956	66.4	4207	4.4	398936	22.7	3814	1.5	34369	27.5	10	10	56	507.87	11851	0.6
57	10	12	513.29	1364	3.1	16300	72.9	4903	5.8	404413	22.7	4090	1	35069	29.5	10	10	57	513.29	12338	0.7
58	10	12	518.77	1152	1.6	15733	58.5	4675	3.5	393551	20.4	4365	1.6	36470	26.1	10	10	58	518.77	12648	0.5
59	10	12	524.33	1302	2.9	14933	61.7	4899	6.9	383633	20.6	3907	1.4	35234	27.4	10	10	59	524.33	12129	0.9
60	10	12	529.97	1356	3.8	15691	70.4	5577	5.7	399393	22	4009	0.8	37148	27.5	10	10	60	529.97	12233	0.8
61	10	12	535.7	1322	2.6	16229	63.9	5032	4.2	389739	20.1	4062	0.9	36100	29.7	10	10	61	535.7	12349	0.6
62	10	12	541.52	1184	2.1	14240	67	4770	5.3	366704	17.8	3695	1.3	33437	25.4	10	10	62	541.52	12018	1.1
63	10	12	547.46	1320	2.7	14347	63.3	4799	3.9	374231	18.6	4010	1.3	33677	24.5	10	10	63	547.46	11770	0.9
64	10	12	553.5	1019	1.5	14375	63.2	4683	7.4	382886	22.5	3941	0.7	34432	22.9	10	10	64	553.5	11793	1.6
65	10	12	559.67	1151	3.3	15102	67.4	4984	6.7	391391	20.9	3835	1.2	34982	28.4	10	10	65	559.67	12309	0.7

66	10	12	565.97	1069	1.5	12500	50.5	4387	3.8	329894	20.4	3540	0.6	33377	20.4	10	10	66	565.97	12783	1
67	10	12	572.4	764	1.8	10048	51.1	4018	6.1	293260	20.8	3279	0.4	29781	21.8	10	10	67	572.4	11407	1
68	10	12	578.97	852	1.3	10503	51.5	4648	4.8	311519	17	3122	0.6	30225	18.7	10	10	68	578.97	10595	0.6
69	10	12	585.7	1128	2.5	13965	70.2	5273	4.8	383248	19.9	3774	0.6	34410	24	10	10	69	585.7	11493	1.4
70	10	12	592.57	1094	1	14001	57.5	4829	6.2	366797	21.4	3575	1.9	32808	24	10	10	70	592.57	11835	1.1
71	10	12	599.62	1107	1.4	14342	60.7	4935	4.6	365336	19.6	3561	1.4	32176	24.6	10	10	71	599.62	11436	1.1
72	10	12	606.83	967	1.2	13196	59.4	4663	5.3	375528	17.8	3561	1.2	30957	22.6	10	10	72	606.83	11999	0.9
73	10	12	614.21	838	1.7	10982	54.6	4684	5.2	357021	16.8	3338	1.2	29611	21	10	10	73	614.21	11533	1.2
74	10	12	621.78	1060	0.9	12694	54.3	4817	4.7	365059	18	3153	1.7	29692	25.9	10	10	74	621.78	6168	216.7
75	10	12	629.53	1058	1.5	14160	60.9	4765	5.4	370486	18.9	3562	0.5	32992	24.8	10	10	75	629.53	12148	0.5
76	10	12	637.47	1206	1.7	14751	60.9	4581	6.4	370081	21.9	3306	1.2	32297	25.9	10	10	76	637.47	11794	1
77	10	12	645.61	1333	2.2	16219	64.6	4957	4.1	393387	21.5	3875	1	34146	28.8	10	10	77	645.61	12481	1.2
78	10	12	653.95	1156	2.2	14880	67.2	4953	6	386490	24.5	4133	1.4	36659	25	10	10	78	653.95	12610	0.8
79	10	12	662.5	1084	3.3	14667	62.2	5230	5.3	391572	19.6	3597	1.3	33248	27.3	10	10	79	662.5	11913	1.4
80	10	12	671.26	1284	1.2	15537	65.8	4988	8.9	401331	22.1	3845	0.6	34088	25.3	10	10	80	671.26	12282	0.7
81	10	12	680.24	1221	2.4	15123	64.6	4718	6.1	368917	23	3999	1	35330	28.7	10	10	81	680.24	12036	1.1
82	10	12	689.44	1312	2.3	14769	65	4600	3.7	351480	22.1	3627	1.7	34562	24.9	10	10	82	689.44	11386	1.3
83	10	12	698.86	1077	1	13910	63.7	4911	5.7	361465	20.9	3743	1.6	34169	26.9	10	10	83	698.86	11977	1.9
84	10	12	708.52	1184	2.6	15004	61.2	4641	3.6	376291	20.8	3546	1.3	32994	26.6	10	10	84	708.52	12016	1.5
85	10	12	718.4	1154	2	14054	64.4	4537	5	351646	21.6	3538	0.9	32759	23	10	10	85	718.4	12012	1.6
86	10	12	728.53	999	1.4	12915	58.1	4436	4.5	355169	19.8	3657	1.4	32315	23.7	10	10	86	728.53	11759	0.9
87	10	12	738.89	1125	1.8	13289	55.6	4599	6.7	342451	20.8	3472	0.9	31972	25.6	10	10	87	738.89	11989	1.3
88	10	12	749.5	1023	2.8	13124	53.1	4437	4.9	335885	21.5	3401	1.1	31251	25.4	10	10	88	749.5	11924	0.9
89	10	12	760.36	947	1.6	11185	48.8	4575	4.7	290671	17.5	3605	0.3	32059	21.2	10	10	89	760.36	11486	1.2
90	10	12	771.47	974	1.7	12997	52.2	4304	3.9	336200	18.4	3213	0.8	29622	22.6	10	10	90	771.47	11162	0.8
91	10	12	782.84	942	2.5	13869	55.9	5051	7.6	391824	19.5	3355	1	29850	25.7	10	10	91	782.84	12057	1.2
92	10	12	794.46	1140	2.2	14004	54.3	4682	5.3	388253	18.3	3760	1.5	31669	24.1	10	10	92	794.46	11902	0.5
93	10	12	806.34	1094	1.2	13518	57.6	5056	5	386115	16.7	3407	0.9	31730	23.5	10	10	93	806.34	12137	0.8
94	10	12	818.49	1196	2	14914	57.3	5156	4.2	384502	19.3	3899	0.3	33115	25.9	10	10	94	818.49	12018	0.6
95	10	12	830.89	1096	1.4	12326	48.6	4847	8.4	329877	21.1	3591	0.5	31213	23.6	10	10	95	830.89	11841	0.9
96	10	12	843.57	934	2.4	11163	47.1	4985	5.9	293918	22.9	3438	0.7	30854	22.8	10	10	96	843.57	11816	0.8
97	10	12	856.52	944	1.6	11572	50.7	4895	6.4	340998	18.2	3292	0.7	32780	24	10	10	97	856.52	12234	2
98	10	12	869.73	742	1	10287	39.9	5013	5.4	358791	20.2	3009	0.7	29268	21.8	10	10	98	869.73	12837	1.1
99	10	12	883.22	611	1.7	9345	35	4804	5.9	320651	18.1	3180	0.3	30207	18.2	10	10	99	883.22	12238	1.2
100	10	12	896.99	779	1.9	10870	53.7	4759	5.4	368966	16.1	3085	0.8	30887	20.4	10	10	100	896.99	12870	1.3
101	10	12	911.03	761	2.5	9676	39.1	4703	5.7	345995	15.2	2986	1.5	28603	18.2	10	10	101	911.03	12569	1.1

102	10	12	925.35	861	1.6	10064	42.1	4775	6.1	361148	16.2	2930	1	29726	22	10	10	102	925.35	12409	0.9
103	10	12	939.96	898	0.8	10147	44.9	4509	4.8	353504	20	2953	0.9	29527	20.8	10	10	103	939.96	12489	0.7
104	10	12	954.84	884	1.2	12042	47.6	4874	5.7	378121	19.9	3405	0.8	31350	19.6	10	10	104	954.84	12668	1.5
105	10	12	970	1158	2.1	13635	64.5	5005	6.1	371096	21.7	3949	1	35540	24.7	10	10	105	970	12428	0.9
106	10	12	985.45	990	1.1	12805	58	4808	7.7	384970	19.2	3614	0.9	33956	25.7	10	10	106	985.45	12330	1.2
107	10	12	1001.2	891	1.5	12358	51.7	4703	5.2	392910	13.7	3314	1.3	31172	21.1	10	10	107	1001.2	12325	1.1
108	10	12	1017.2	961	1.6	13131	55.9	4806	5.6	385703	19.7	3813	0.8	34391	21.8	10	10	108	1017.2	12423	1
109	10	12	1033.5	945	1	12376	55.4	4724	7.1	403342	16.3	3410	0.4	31682	21.3	10	10	109	1033.5	12342	0.7
110	10	12	1050.1	757	0.7	9543	37.8	4530	4.9	360878	14.4	3027	0.5	29068	20.7	10	10	110	1050.1	12379	1
111	10	12	1066.9	564	0.5	7008	26.6	4495	4.7	288728	12.4	2470	1.1	25132	14.4	10	10	111	1066.9	12283	0.5
112	10	12	1084.1	1014	3.3	11816	49	4871	9.5	352991	18.3	3574	1.5	30957	21.5	10	10	112	1084.1	12577	0.8
113	10	12	1101.5	910	1.8	11369	46.4	4686	6.9	328517	17.5	3694	0.3	31193	21.3	10	10	113	1101.5	12221	0.9
114	10	12	1119.3	951	2.9	12506	52.9	4554	3.4	360010	17.8	3429	0.4	33333	22.4	10	10	114	1119.3	12534	0.8
115	10	12	1137.3	908	1.5	10267	43	4476	6	309748	19	2857	0.8	29921	22.4	10	10	115	1137.3	12269	1
116	10	12	1155.6	801	1.8	10418	43.3	4689	4.1	339169	19.6	3078	0.8	29140	19	10	10	116	1155.6	12066	0.6
117	10	12	1174.1	978	1.6	13184	60.2	4356	5	391443	17.8	3422	0.9	31026	24.5	10	10	117	1174.1	11925	0.7
118	10	12	1193	956	3.5	12352	48	4181	5.1	360937	17.5	3342	0.7	29530	25.2	10	10	118	1193	11973	0.8
119	10	12	1212.2	851	2.6	10839	51	4638	3.4	370368	14.9	2843	0.8	29132	22.3	10	10	119	1212.2	12062	1.1
120	10	12	1231.6	756	1	10817	49	4704	7.6	364484	17.5	2943	0.4	28262	23.6	10	10	120	1231.6	11879	1
121	10	12	1251.3	1056	1.2	13766	61.1	4488	5.9	356523	18.4	3918	1.3	33601	23.9	10	10	121	1251.3	11969	0.9
122	10	12	1271.3	948	2.4	12591	58.5	4684	4.3	359621	19.4	3406	1.3	31617	25	10	10	122	1271.3	12083	0.5
123	10	12	1291.6	1382	3.7	16146	67.4	4677	6.4	372890	21.9	4448	0.7	37073	28.3	10	10	123	1291.6	12425	0.9
124	10	12	1312.1	1013	1.4	14322	65.2	4468	6	369971	21.4	4086	1	36877	24	10	10	124	1312.1	11979	1.1
125	10	12	1332.9	1076	2.5	15146	59.7	5003	6.8	369622	21.7	4227	1.2	36313	24.7	10	10	125	1332.9	12255	1.3
126	10	12	1354.1	1013	3.4	14581	63.4	4425	4.4	373153	19.3	4056	1.1	36669	23.3	10	10	126	1354.1	12059	0.7
127	10	12	1375.4	1118	1.4	14170	62	4414	6.3	388222	18.6	4166	0.8	34951	25.9	10	10	127	1375.4	12302	1.4
128	10	12	1397.1	1169	2.3	15141	66.1	4577	5.8	377040	19.7	3817	1	35716	25.2	10	10	128	1397.1	12123	0.6
129	10	12	1419	1300	3.7	15374	62.6	4819	6.6	387433	19.3	4259	0.8	36939	25.9	10	10	129	1419	12348	0.9
130	10	12	1441.2	1130	1.8	14102	69.1	4691	6.4	368022	21.3	4078	1	37028	24.9	10	10	130	1441.2	12084	1.4
131	10	12	1463.7	1170	2.7	14057	59.6	4549	5.9	375436	21.4	4313	0.9	35994	22.6	10	10	131	1463.7	12295	1.5
132	10	12	1486.4	1134	2.7	13882	53.8	4835	6.4	365618	18.8	3959	0.8	36627	22.3	10	10	132	1486.4	12024	1.1
133	10	12	1509.4	997	2.4	13596	57.1	5042	6.6	370211	17.5	3826	0.4	36182	22.1	10	10	133	1509.4	12197	1.1
134	10	12	1532.6	1116	1.9	14290	67.7	5113	6.5	367341	22.4	4036	1.2	39473	22.1	10	10	134	1532.6	12151	1
135	10	12	1556.1	1018	2.1	13767	59.2	4889	8.4	376418	22.6	3646	0.8	36154	22.2	10	10	135	1556.1	12017	1
136	10	12	1579.9	1052	1.8	13394	55.1	4618	6.2	396994	19.1	3794	0.9	34022	23.3	10	10	136	1579.9	12497	1
137	10	12	1603.9	1080	2.1	13915	62.1	4674	7.1	379300	19.1	3982	1.1	35288	21.9	10	10	137	1603.9	12278	2.2

138	10	12	1628.2	1227	2.3	14882	57.6	4744	7.6	381632	17.2	3829	1.2	33723	24.9	10	10	138	1628.2	6162	241.6
139	10	12	1652.7	1205	2	15828	69.9	4639	6.4	396874	24.6	3964	1.2	36033	28.9	10	10	139	1652.7	12360	0.9
140	10	12	1677.5	928	1.9	13113	64.3	4635	6.2	383414	21.1	3850	0.9	35565	24.6	10	10	140	1677.5	12382	0.6
141	10	12	1702.5	782	1.4	10416	46.8	4596	6.6	334357	17.5	3662	0.9	33944	19.7	10	10	141	1702.5	12240	1
142	10	12	1727.7	1225	2.5	14340	62.9	4666	5.7	375580	19.6	3985	1.1	35003	24.8	10	10	142	1727.7	11940	0.8
143	10	12	1753.2	1098	2.1	14377	59.9	4730	4.9	396158	19.6	3957	0.8	35389	24	10	10	143	1753.2	12396	1.2
144	10	12	1778.9	1063	1.5	13728	66.1	4734	5.8	383003	19	4286	1	34961	25.2	10	10	144	1778.9	12261	0.6
145	10	12	1804.9	924	0.9	12926	49.6	4812	7.5	376093	20.2	3727	0.7	31266	25.3	10	10	145	1804.9	12353	1.2
146	10	12	1831.1	1113	1.8	13244	60.1	4353	6.3	351148	19	3672	0.5	35673	22	10	10	146	1831.1	12325	1.3
147	10	12	1857.5	987	0.8	13617	55.2	4564	6.2	371598	17.8	3557	1.1	32434	24.8	10	10	147	1857.5	12039	0.9
148	10	12	1884.1	1065	1.7	14102	64.6	4744	6.5	363080	22.2	3733	0.7	35789	26.8	10	10	148	1884.1	12300	0.8
149	10	12	1911	1091	2.3	14912	59.3	4983	5.8	379838	18.9	3800	0.4	36014	25.5	10	10	149	1911	12071	0.9
150	10	12	1938	985	0.9	14385	67.5	5162	7.3	368003	23.4	4161	1.4	38980	24.7	10	10	150	1938	12056	1.2
151	10	12	1965.3	1276	1.4	15770	73	4994	5.7	347708	21.8	4467	0.9	40394	24.4	10	10	151	1965.3	11719	0.9
152	10	12	1992.8	1434	2.3	17170	64.8	4691	8.6	388744	23.3	4472	1.2	38052	26.8	10	10	152	1992.8	12108	0.8
153	10	12	2020.5	1084	1.9	14156	53.3	4683	5.9	370746	20.7	3908	0.6	34936	20.9	10	10	153	2020.5	12368	1.4
154	10	12	2048.4	1046	1.5	13468	55.2	4467	3.9	367206	20.3	3534	1.3	33082	23.2	10	10	154	2048.4	12160	0.9
155	10	12	2076.5	1346	2.2	16677	69	4506	5.2	391395	22.1	4243	0.5	37650	27.9	10	10	155	2076.5	12244	1.1
156	10	12	2104.7	1060	2	14457	58.5	4776	3.7	381538	17.5	3924	0.6	35496	25.6	10	10	156	2104.7	12090	1.7
157	10	12	2133.2	818	2.6	10326	50.6	4478	6.1	319105	19	3079	0.7	31526	19.4	10	10	157	2133.2	12398	1.3
158	10	12	2161.9	934	1.7	13575	57.5	5038	4.2	387573	19.3	3726	1.1	32429	25.8	10	10	158	2161.9	12129	1.3
159	10	12	2190.7	865	1.8	12010	56.6	4579	5.4	374323	18.8	3212	1.3	31591	19	10	10	159	2190.7	11833	1.5
160	10	12	2219.7	1040	1.9	12918	60.9	4401	4.6	369474	18.9	3250	1.2	32597	24.4	10	10	160	2219.7	12019	0.9
161	10	12	2248.9	835	0.7	12219	50.8	4515	6.2	355374	19.4	3436	0.5	33308	22	10	10	161	2248.9	12183	0.7
162	10	12	2278.3	789	0.8	11154	43.5	4498	6.5	368000	17.6	3041	0.6	29389	21.6	10	10	162	2278.3	12219	1.2
163	10	12	2307.8	738	0.7	10494	41.9	4523	7.5	367985	16.9	2920	0.3	28280	21	10	10	163	2307.8	12228	0.7
164	10	12	2337.5	638	1.5	10004	40.1	4647	4.3	356231	16.3	2716	0.4	27081	22	10	10	164	2337.5	11930	0.6
165	10	12	2367.3	830	1.4	12117	46.4	4637	5.3	367146	17.5	3138	0.3	30947	22	10	10	165	2367.3	12333	0.9
166	10	12	2397.3	913	1.3	11039	47.7	4747	7.2	343281	19.5	3024	0.5	29673	22.6	10	10	166	2397.3	11969	1.1
167	10	12	2427.5	819	2.3	13807	52.9	4709	4.5	394482	18.5	3660	1.3	30854	27.8	10	10	167	2427.5	11854	1
168	10	12	2457.8	982	1.3	13916	56	4834	6.1	383215	17.1	3558	1.1	32341	26.3	10	10	168	2457.8	12147	1.7
169	10	12	2488.2	899	1.1	13420	49.7	5075	7.7	411727	18.4	3421	0.7	33405	23.3	10	10	169	2488.2	12723	0.8
170	10	11	2518.7	378	0.9	4200	16.1	4769	4.4	182039	14.9	2212	0.7	26050	10.8	10	10	170	2518.7	12677	0.8
171	10	11	2549.4	282	0.7	3507	11.6	4701	3.1	162935	13.8	1616	0.6	22293	10.8	10	10	171	2549.4	11488	0.7
172	10	11	2580.2	402	0.9	5193	21	4455	4.2	220941	15.9	2157	0.6	25626	14.1	10	10	172	2580.2	10640	0.9
173	10	11	2611.2	307	1.2	3646	13	4550	3.5	162617	13.4	1951	0.6	22884	9.9	10	10	173	2611.2	10852	1.2

174	10	12	2642.2	695	1.1	9957	44.5	4638	6.1	309866	18.8	3032	1.5	29258	20.9	10	10	174	2642.2	10057	8.5
175	10	12	2673.4	807	2.4	9161	44.5	4864	4.1	290572	17.9	2975	1.1	29705	17	10	10	175	2673.4	11157	1
176	10	12	2704.7	635	2.4	8570	41	4914	4.7	294512	17.6	2719	0.5	27794	17.1	10	10	176	2704.7	11474	1.1
177	10	12	2736.1	765	1.3	11104	47.2	4101	5.1	337729	19.6	2833	0.9	27633	24.2	10	10	177	2736.1	11315	1.2
178	10	12	2767.5	806	1.4	13156	55.2	4186	7.3	381593	18.7	3202	1.2	31456	22.9	10	10	178	2767.5	12174	1.2
179	10	12	2799.1	1084	2.3	14464	59.7	4615	6.9	360875	20	3677	1.4	34799	24.1	10	10	179	2799.1	12105	0.7
180	10	12	2830.8	984	1.4	13364	55.2	4771	5.2	365443	21.8	3827	1.3	34400	21.8	10	10	180	2830.8	11926	1.2
181	10	12	2862.5	1108	1.5	15214	59.6	4959	6.1	382136	19.9	3835	1	35341	24.8	10	10	181	2862.5	11895	0.9
182	10	12	2894.3	1035	2	15319	65.6	4675	6.5	355552	20.4	3850	0.6	36533	27.1	10	10	182	2894.3	11744	0.8
183	10	12	2926.2	1040	2.5	13752	55.3	4535	6.5	347651	19.7	3958	1.2	36188	23	10	10	183	2926.2	11972	1.1
184	10	12	2958.2	781	1.5	12206	50.2	4687	7.1	349042	18.3	3096	0.8	31248	22.3	10	10	184	2958.2	11604	0.8
185	10	12	2990.2	1137	1.1	14365	63.1	4626	8	356631	20.8	3759	1.1	35971	25.4	10	10	185	2990.2	12057	0.6
186	10	12	3022.3	996	2.1	12920	62.8	4639	9.5	354333	20.8	3608	0.9	34082	28.2	10	10	186	3022.3	11832	1
187	10	12	3054.5	908	1.9	12592	53	4675	8.8	373084	19	3200	0.9	31475	26.9	10	10	187	3054.5	12775	0.9
188	10	11	3086.7	493	1.1	6020	24.4	4584	4.7	187077	16.6	2586	0.9	27643	11.9	10	10	188	3086.7	12263	1.3
189	10	11	3118.9	282	1.4	4667	18.6	4710	3.2	190923	16.7	2080	0.3	23599	11.4	10	10	189	3118.9	10850	0.9
190	10	12	3151.2	947	2	12591	54.2	4858	6.2	350981	19	2906	0.8	29006	24.9	10	10	190	3151.2	11352	0.7
191	10	12	3183.5	1003	1.1	15507	67.2	4912	4.4	393155	18.2	3448	0.8	33487	26.9	10	10	191	3183.5	11868	1
192	10	12	3215.8	964	1.7	13958	63.4	4548	6	373321	18.5	3535	1.2	34365	27.1	10	10	192	3215.8	11530	1.1
193	10	12	3248.2	862	1.6	12311	57.3	4701	7.9	382876	17	3499	1.2	31758	23.5	10	10	193	3248.2	12098	0.7
194	10	12	3280.6	1073	2	14664	56.5	4677	5.8	401632	18.6	3560	1	34994	24.9	10	10	194	3280.6	11925	0.8
195	10	12	3313	1229	2	14680	61.2	5024	7.5	376442	24.3	3938	0.7	34198	29.3	10	10	195	3313	11960	0.9
196	10	12	3345.4	801	1.9	10623	54.8	4459	4.1	302395	18.7	3505	1	34276	18.3	10	10	196	3345.4	11605	0.8
197	10	12	3377.8	691	1.5	8845	46.3	4374	3.6	296398	17.1	3368	0.6	32672	16.4	10	10	197	3377.8	11420	0.3
198	10	12	3410.2	367	1.4	5473	24.3	4387	3.4	276584	13.6	2667	0.5	27299	12.7	10	10	198	3410.2	11782	1.5
199	10	11	3442.7	207	0.9	2625	8.7	3549	4.9	139119	11.2	1925	0.6	23163	5.6	10	10	199	3442.7	12057	0.7
200	10	11	3475.1	345	0.9	4459	19.4	3523	4.7	217860	12.7	2280	0.2	26518	10.8	10	10	200	3475.1	11566	1.5
201	10	12	3507.5	380	0.9	7162	25.4	3490	5.6	327960	13	2660	1.1	28121	14.5	10	10	201	3507.5	12262	0.8
202	10	12	3539.8	460	1.2	7625	36.1	3220	4.9	351419	13.8	2883	1.2	28757	14.4	10	10	202	3539.8	12163	0.6
203	10	12	3572.2	364	0.9	6455	27.8	3114	6	314646	12.2	2905	0.8	27380	11.5	10	10	203	3572.2	11798	1.2
204	10	12	3604.5	485	1	5750	25.3	3146	4.4	253256	11.2	2799	1	27628	10.4	10	10	204	3604.5	11543	0.5
205	10	12	3636.8	552	1.5	8875	44.5	3227	4.1	333955	12.3	3049	1.2	30993	15.6	10	10	205	3636.8	11572	0.8
206	10	12	3669	563	1.3	8490	47.7	3059	4.2	309702	12.8	3363	0.9	33236	11.6	10	10	206	3669	11724	1.1
207	10	12	3701.2	620	2.2	8406	42.6	2991	6.6	326008	12.5	3377	1.1	32454	13.9	10	10	207	3701.2	11847	1
208	10	12	3733.4	508	1.8	9463	50.2	3244	6.1	325146	15	3961	0.7	34708	15.1	10	10	208	3733.4	11819	1
209	10	12	3765.5	748	2	9535	56.2	3252	4.9	324240	19.2	3563	0.5	34606	15.7	10	10	209	3765.5	11890	1

210	10	12	3797.5	562	1.3	6903	34.6	3022	4.9	287039	11.1	3165	1.1	29327	12.7	10	10	210	3797.5	12039	0.7
211	10	12	3829.5	600	2.1	9018	48.8	2908	6.8	316121	12.2	3608	0.5	34436	13.4	10	10	211	3829.5	11691	1.4
212	10	12	3861.4	625	2.2	8533	48.1	3314	4.5	301473	15.4	3210	0.7	34060	12.9	10	10	212	3861.4	11610	1.3
213	10	12	3893.3	471	1.1	6927	32.1	3028	5	314925	10.5	2669	0.8	29032	11.6	10	10	213	3893.3	11794	0.7
214	10	12	3925	378	2	6934	34.3	3043	5.2	302769	9.5	2856	0.4	29244	10.4	10	10	214	3925	11599	1
215	10	12	3956.7	431	1.5	6862	31.9	2993	5.2	300394	11.7	2817	1.1	28302	13.1	10	10	215	3956.7	11983	0.9
216	10	12	3988.3	406	1.1	6930	32.7	3142	6.3	300647	11.2	3263	0.7	30107	10.9	10	10	216	3988.3	10964	5.9
217	10	12	4019.8	482	0.7	7895	40.6	3186	4	317182	14.4	3033	0.5	28557	14.5	10	10	217	4019.8	11805	0.9
218	10	12	4051.2	468	1.6	8572	49.8	3381	3.9	318918	17.1	3223	0.6	33188	16.7	10	10	218	4051.2	11495	0.6
219	10	12	4082.5	594	1.5	8602	41.3	3609	4.4	327759	13.1	3410	0.5	31965	14.1	10	10	219	4082.5	11648	1
220	10	12	4113.7	559	1.5	8418	40.9	3344	4.9	328863	12.2	3063	0.7	30881	13.5	10	10	220	4113.7	11802	1.2
221	10	12	4144.8	503	1.9	7129	37	3295	2.7	280115	13.5	2857	0.6	29303	14.5	10	10	221	4144.8	11506	0.9
222	10	12	4175.8	566	1.1	9358	43.3	3267	5.5	326413	14.7	3430	1.3	32204	15	10	10	222	4175.8	11418	0.8
223	10	12	4206.7	704	1.7	10194	60	3182	6	342325	15.9	3462	0.9	33986	17.5	10	10	223	4206.7	11536	0.9
224	10	12	4237.4	832	2.8	10337	58.9	3093	5.4	313126	15.2	3689	0.5	38322	13.7	10	10	224	4237.4	11490	0.7
225	10	12	4268.1	1132	1.8	13667	71.9	3895	7.2	272806	21.1	4647	1	46871	15.4	10	10	225	4268.1	10152	1.3
226	10	12	4298.5	1607	4.7	17898	96.2	4340	5.5	297510	26.2	5784	0.6	54383	20.7	10	10	226	4298.5	10869	1.1
227	10	12	4328.9	480	1.1	6381	29.9	3156	5.9	256534	13	2485	0.5	28287	14.5	10	10	227	4328.9	11988	1.3
228	10	11	4359.1	544	0.9	6172	28.2	3141	4.2	235616	15.1	2528	1	27523	10.8	10	10	228	4359.1	11335	1
229	10	11	4389.2	302	1.3	6221	23	3067	4.1	262395	12.1	2549	0.6	25558	13.1	10	10	229	4389.2	10677	0.9
230	10	12	4419.1	741	2.3	9616	48.7	3557	3.2	320632	15.3	3134	0.9	32062	15	10	10	230	4419.1	10982	0.8
231	10	12	4448.9	1025	3.3	11687	64.5	3788	4.9	349515	15.4	3687	1.1	36602	18.5	10	10	231	4448.9	11344	0.7
232	10	12	4478.5	718	2.7	9535	46.6	3865	3	311688	16.6	3327	0.7	34877	16.6	10	10	232	4478.5	11557	0.7
233	10	12	4507.9	805	1.5	9655	46.9	3722	7.7	324138	16.1	2859	0.7	31308	16	10	10	233	4507.9	11303	0.6
234	10	12	4537.2	802	1.5	10552	50	3821	5.5	324375	18.9	3498	0.7	35969	18.3	10	10	234	4537.2	11221	1.3
235	10	12	4566.4	752	3.1	10230	52.7	3969	4.6	296764	20.2	3746	0.8	36854	16.4	10	10	235	4566.4	11165	0.9
236	10	12	4595.3	743	2.3	8987	53.2	3272	4.6	298277	19.8	3115	1	31423	16.8	10	10	236	4595.3	11521	1.4
237	10	12	4624.1	639	2.7	9845	52	3752	5.8	286729	20.9	3113	0.6	34648	17.1	10	10	237	4624.1	11211	0.5
238	10	12	4652.7	473	1.4	7199	33.1	3627	4.5	306630	14	2656	0.6	28202	14.3	10	10	238	4652.7	11662	0.7
239	10	12	4681.1	612	1	9462	47.7	3855	5.4	330661	18.1	3178	0.7	29849	18.4	10	10	239	4681.1	11736	1.1
240	10	12	4709.3	546	1	8067	32.9	3571	5.3	333002	15.9	3019	0.8	28509	16.4	10	10	240	4709.3	11508	0.7
241	10	12	4737.4	607	0.8	9730	45.2	3570	5	330866	17	2952	0.5	31629	18.4	10	10	241	4737.4	11318	0.7
242	10	12	4765.2	903	2	11793	58.3	3815	6.6	346144	19.8	3608	0.7	35966	20.4	10	10	242	4765.2	11655	1.4
243	10	12	4792.9	537	1.3	9628	44.6	3872	4.2	338604	18.4	3232	0.5	30942	16.7	10	10	243	4792.9	11433	1.5
244	10	12	4820.4	577	1.2	8939	38.7	3596	5.3	325636	14.9	2719	0.4	28866	15.9	10	10	244	4820.4	11514	0.5
245	10	12	4847.6	497	0.8	7483	25.7	3754	3.7	307104	13.3	2973	0.9	27753	16.1	10	10	245	4847.6	11644	1.1

246	10	12	4874.7	550	1.3	8070	34.7	3747	4.6	318508	14.3	2589	0.3	27061	18.6	10	10	246	4874.7	11504	0.9
247	10	12	4901.5	645	2.3	9592	41.2	3933	5.7	318599	15.3	3395	0.4	31606	17.6	10	10	247	4901.5	5846	203.5
248	10	12	4928.2	710	1.6	10361	45.8	3831	4.8	334477	19.3	3488	1	32902	20.9	10	10	248	4928.2	11166	1.5
249	10	12	4954.6	611	1.2	8860	40.9	3841	3.5	328848	19.1	3135	0.9	29978	19.7	10	10	249	4954.6	11411	0.9
250	10	12	4980.8	566	1	9652	44.3	3852	5.2	326708	15.4	3027	1	30925	19	10	10	250	4980.8	11176	1.1
251	10	12	5006.8	751	2.6	11030	56.2	4156	4.5	333335	16.4	3447	0.4	35001	18.2	10	10	251	5006.8	10796	1
252	10	12	5032.6	602	1.6	9178	41.2	3805	5.1	319320	15.8	2846	0.6	30419	17.9	10	10	252	5032.6	11514	1.2
253	10	12	5058.1	487	1.5	6964	29.3	3525	3.8	297571	16	2657	1.2	26969	14.9	10	10	253	5058.1	11368	0.4
254	10	12	5083.4	619	2	9467	46.6	3691	5.2	310533	15.1	3408	0.6	30649	18.2	10	10	254	5083.4	10942	0.7
255	10	12	5108.5	605	1.3	10432	43.3	3682	5.2	326958	14.6	3345	0.5	32485	15	10	10	255	5108.5	10874	0.9
256	10	12	5133.4	791	1.7	11361	52.3	3647	3.5	324881	19.5	3370	0.4	34612	18.1	10	10	256	5133.4	10779	0.6
257	10	11	5158	340	1	5349	24.5	3622	4.4	191561	13.2	2424	0.5	28381	9.7	10	10	257	5158	10457	2.1
258	10	12	5182.4	360	0.4	6465	25.9	3752	4.4	261277	13.8	2612	0.8	26992	13.5	10	10	258	5182.4	11005	0.9
259	10	12	5206.5	567	1.2	7504	38	3620	3.9	293753	15.4	2485	1.1	27551	18	10	10	259	5206.5	11126	0.9
260	10	12	5230.4	572	1.7	8087	39.3	3694	4.9	303859	16.6	2988	0.5	30158	17.9	10	10	260	5230.4	11003	1
261	10	12	5254.1	725	1.6	9647	51	3773	5.1	320955	16.4	3158	0.6	32200	17.8	10	10	261	5254.1	10620	0.7
262	10	11	5277.5	299	1	3914	13.7	3628	4	151906	12.5	1849	0.3	23533	8.1	10	10	262	5277.5	10751	0.5
263	10	11	5300.7	179	0.8	2841	10.6	3473	2.9	99371	7.6	1785	0.4	21470	4.1	10	10	263	5300.7	11316	1.7
264	10	12	5323.6	469	1.2	6894	27.5	3657	5.9	252168	16	2650	0.7	24492	15.2	10	10	264	5323.6	11512	0.7
265	10	11	5346.3	412	1	4083	15.6	3776	2.8	167076	15.1	1703	0.7	21518	12.3	10	10	265	5346.3	10711	1.3
266	10	11	5368.8	491	1.5	7001	28.8	3492	6	251233	16.8	2070	0.6	24538	15.8	10	10	266	5368.8	10892	1.4
267	10	12	5391	547	0.8	7699	31.5	3658	4.1	282605	14.2	2417	0.6	26720	14.2	10	10	267	5391	11689	0.8
268	10	11	5412.9	435	0.5	5628	21.5	3634	3.1	214469	14.8	2274	1	24768	12.1	10	10	268	5412.9	10375	1
269	10	12	5434.6	690	1.5	10506	50.2	3861	3	296161	16.8	2994	0.9	29519	21.4	10	10	269	5434.6	10334	0.9
270	10	12	5456	462	1.4	8591	36.5	3883	2.8	285966	15.5	2802	1	28310	15.7	10	10	270	5456	10809	1.4
271	10	12	5477.2	513	1.6	9349	46.7	3817	4.4	298113	18	2949	0.2	29715	19.8	10	10	271	5477.2	10333	0.5
272	10	12	5498.1	994	1.4	14768	67.7	4212	5.3	367069	22.6	4097	0.9	37036	25.8	10	10	272	5498.1	11040	0.8
273	10	12	5518.8	755	1.8	10480	47.6	4187	6	312434	18.3	3247	0.5	33645	17.2	10	10	273	5518.8	10380	0.9
274	10	12	5539.2	459	1.7	7645	33.3	4103	4	261891	17.5	2982	0.8	29579	13	10	10	274	5539.2	10650	1
275	10	12	5559.4	401	1.2	7741	33.4	3629	4.8	300324	14.2	2798	0.7	27317	16.8	10	10	275	5559.4	10796	0.6
276	10	12	5579.3	776	1.2	10499	44.5	4065	5.1	315089	18.6	3251	0.6	33098	18.4	10	10	276	5579.3	10765	0.8
277	10	12	5598.9	894	0.6	12924	63.7	4535	5.8	312496	21.7	3846	0.7	35180	24.5	10	10	277	5598.9	10531	1
278	10	12	5618.3	750	1.5	12503	60.7	4032	4.4	319851	22.1	3826	1.1	38030	20.4	10	10	278	5618.3	10632	1
279	10	12	5637.4	859	0.7	12387	53	4309	3.3	329142	19.2	3383	0.7	33757	21.5	10	10	279	5637.4	10723	0.9
280	10	12	5656.3	611	1	10113	51	3581	6.4	312985	16.1	3004	0.7	31717	18.6	10	10	280	5656.3	10746	1.5
281	10	12	5674.9	878	1.5	12589	53.8	4413	5.2	329252	21.8	3263	1.3	34779	22	10	10	281	5674.9	10351	0.6

282	10	12	5693.3	693	1.8	10622	45.1	4115	3.7	302564	21.1	3188	1.2	33391	17.2	10	10	282	5693.3	10237	1.4
283	10	12	5711.4	686	1.5	10540	46.1	3837	4.5	319353	15.7	3218	1.5	31200	18.3	10	10	283	5711.4	10580	1.1
284	10	12	5729.3	745	1.7	12107	45.9	3931	5	339652	20.4	3304	1	32911	20.3	10	10	284	5729.3	10804	0.7
285	10	12	5746.9	656	1.5	11167	50.8	3784	5.8	332081	14.5	3406	0.6	31376	21	10	10	285	5746.9	10646	0.7
286	10	12	5764.2	498	1.4	10822	51	3595	4.2	326382	15.9	3412	1.1	32167	17.8	10	10	286	5764.2	10822	0.8
287	10	12	5781.3	655	1.2	11717	51.9	3930	4.9	336920	19.8	3438	0.9	33363	20.1	10	10	287	5781.3	10783	1.2
288	10	12	5798.2	716	0.9	10830	44.6	3784	4.6	306252	18.7	3192	0.4	29967	20.3	10	10	288	5798.2	10394	1.2
289	10	12	5814.8	802	2	11188	53.2	3931	2.6	316432	17.6	3230	0.6	30891	21.2	10	10	289	5814.8	10464	1.2
290	10	12	5831.2	965	1.4	14282	62	4369	6	327518	23.1	3508	1.1	37707	19.8	10	10	290	5831.2	9958	0.9
291	10	12	5847.3	877	1.5	13060	59	4374	2.1	330147	22.6	3070	1.4	33620	21.6	10	10	291	5847.3	10400	0.8
292	10	12	5863.2	521	1.2	10587	45.8	4238	3.2	320319	15.9	2905	0.9	28702	20.8	10	10	292	5863.2	10570	0.6
293	10	11	5878.8	190	0.8	4048	13	2896	3.4	190756	14.2	1875	0.3	20500	11.2	10	10	293	5878.8	8522	0.6
294	10	11	5894.2	406	1.8	7501	40	2949	3.3	252850	14.1	2513	0.5	25851	14.2	10	10	294	5894.2	8850	1
295	10	11	5909.4	435	0.6	5706	26.5	3864	2	158780	16.9	7199	0.8	24246	9.9	10	10	295	5909.4	7672	1.1
296	10	12	5924.3	583	1	9306	45.4	4755	3.5	266726	18.8	3721	1	30090	17.6	10	10	296	5924.3	10162	1.1
297	10	12	5939	838	1.7	11057	43.6	4675	5	272171	18.5	3329	0.6	32425	20.2	10	10	297	5939	10678	0.9
298	10	12	5953.4	619	1.4	9156	43.9	4600	4.1	255422	19.6	2750	1	29560	18	10	10	298	5953.4	10275	0.8
299	10	11	5967.7	308	0.7	2683	7.9	4064	2.3	71197	12.5	1569	1	21674	3.3	10	10	299	5967.7	10363	1.8
300	10	11	5981.7	298	0.6	3374	10.6	4206	3.8	122588	15.3	1802	0.5	23439	6.9	10	10	300	5981.7	10368	1.1
301	10	11	5995.5	384	0.7	6548	24.7	4102	3.8	208294	15.6	2594	0.5	29799	10.9	10	10	301	5995.5	10533	0.5
302	10	12	6009.1	521	1.6	8908	41.7	3938	7	244713	17.9	3190	1	32543	15.9	10	10	302	6009.1	10460	1.2
303	10	12	6022.5	764	1.7	13382	58.1	3912	4.5	312771	21	3611	0.7	36274	23.4	10	10	303	6022.5	10730	1.6
304	10	12	6035.6	735	1.1	12205	54.2	3850	5.1	315980	19.2	3822	0.7	34664	19.2	10	10	304	6035.6	10788	1.1
305	10	12	6048.6	585	1.3	10317	48.4	3811	3.6	297729	18.9	3862	0.5	33458	17.4	10	10	305	6048.6	10679	0.9
306	10	11	6061.3	242	1	3153	11.3	3996	2.6	114914	10.1	1530	0.6	21450	5.8	10	10	306	6061.3	10762	0.9
307	10	11	6073.9	228	0.3	2785	7.5	4022	3.2	100523	14.3	1953	0.4	22240	5.7	10	10	307	6073.9	10171	0.5
308	10	11	6086.3	358	1.8	5087	19.4	3855	3.2	167418	15.4	2295	0.6	24536	10.3	10	10	308	6086.3	10052	1.3
309	10	11	6098.4	268	0.9	5877	21.3	3633	4	201596	13.7	2237	0.8	25204	12.7	10	10	309	6098.4	10473	1
310	10	11	6110.4	429	2.2	5230	24	3901	5.6	184326	12	2531	0.2	26836	9	10	10	310	6110.4	10312	0.7
311	10	11	6122.2	458	0.9	6735	29.9	3592	4.7	234769	18.7	2720	0.4	28068	14.6	10	10	311	6122.2	10524	1.2
312	10	12	6133.9	808	0.9	11929	49.6	3668	4.3	324507	17.4	3279	1	31624	19.5	10	10	312	6133.9	10431	1
313	10	12	6145.4	685	0.7	13460	57.4	3747	3.9	319054	21.9	3933	0.5	35585	23.8	10	10	313	6145.4	10682	0.8
314	10	11	6156.7	299	0.3	5147	23.9	3571	1.7	184146	18.4	2617	0.9	26889	10.3	10	10	314	6156.7	9566	1.2
315	10	11	6167.8	446	0.6	5890	22.6	3635	3.6	197588	13.3	2229	0.5	26223	11.2	10	10	315	6167.8	9549	1.4
316	10	12	6178.8	671	1.1	10913	48	3685	3	270186	19.2	3529	0.7	33110	19.4	10	10	316	6178.8	9890	0.8
317	10	12	6189.7	933	2.4	15090	56.1	3860	3.6	342454	20.5	3657	0.9	35604	26.2	10	10	317	6189.7	9995	1.3

318	10	12	6200.4	468	2.2	8876	38.2	3490	4	231968	16.9	3292	0.5	33255	12.3	10	10	318	6200.4	9744	1.4
319	10	12	6211	566	1.2	9186	46.4	3828	4.2	261534	16.7	3006	0.8	31918	17.8	10	10	319	6211	9981	1
320	10	12	6221.4	509	1.1	8554	38	3577	3.9	261386	18.9	3151	0.7	30453	15.3	10	10	320	6221.4	10268	0.8
321	10	12	6231.7	678	1.6	10840	50.2	3925	3.1	300509	17.9	3107	0.7	29930	20.1	10	10	321	6231.7	10126	1.1
322	10	12	6242	733	0.8	13105	56.2	3990	3.9	335400	18.8	3777	1.3	32978	21.8	10	10	322	6242	10472	1
323	10	12	6252.1	619	0.7	12414	52.7	3901	4.4	343612	16.8	3022	1	32263	20.2	10	10	323	6252.1	10271	0.9
324	10	12	6262.1	390	0.5	7607	30.9	3645	4.1	232414	16	2425	1	26153	14.8	10	10	324	6262.1	9987	1.3
325	10	11	6272	369	0.3	4839	20.8	3638	5.4	190588	13	2175	0.3	24431	12.6	10	10	325	6272	10335	0.9
326	10	12	6281.8	444	1.3	8280	44.6	4184	2.8	262790	17.4	2747	0.7	27679	17.5	10	10	326	6281.8	10040	0.9
327	10	11	6291.6	424	1.4	8585	37.4	3942	2.6	252500	19.2	2510	0.8	26554	18.8	10	10	327	6291.6	9709	0.8
328	10	12	6301.2	597	1.1	9733	41.9	4052	2.6	264743	17.9	3104	0.7	30531	18.6	10	10	328	6301.2	10149	0.7
329	10	12	6310.8	667	1.6	11855	51.2	3643	3.7	311033	19.9	3285	1.6	32744	22	10	10	329	6310.8	9914	0.7
330	10	12	6320.4	957	1.7	13642	61.7	3796	3.5	327118	20.3	3908	1.2	35811	23.2	10	10	330	6320.4	10323	0.5
331	10	12	6329.9	639	1	13068	52.6	3480	4.4	301617	21.6	3713	1	34251	23.1	10	10	331	6329.9	10085	0.7
332	10	12	6339.4	927	1.2	17251	70.7	3551	4.1	341572	22.2	4198	0.5	36133	26	10	10	332	6339.4	9723	0.7
333	10	12	6348.9	1083	1.5	15464	63.4	3701	5.8	326223	23.2	4277	1.7	36431	24.5	10	10	333	6348.9	9834	1.1
334	10	12	6358.3	816	1.4	14212	61.3	3716	3.6	317168	22.7	4296	0.6	35600	23.3	10	10	334	6358.3	9501	0.7
335	10	11	6367.7	422	1.2	6472	27.7	3465	2	192108	18.8	2920	0.6	28991	11	10	10	335	6367.7	9157	0.8
336	10	11	6377.1	352	0.9	7889	28.8	3706	4.2	227608	19.5	2867	0.5	28060	16	10	10	336	6377.1	9272	1
337	10	11	6386.6	282	2	3961	16.2	3985	4.1	187225	14.6	2624	0.5	25317	11.1	10	10	337	6386.6	8817	0.8
338	10	11	6396	387	1	6586	27.9	3718	3.5	229153	16.5	2869	0.7	28925	12.4	10	10	338	6396	8915	1.2
339	10	12	6405.5	653	1.4	11217	49.8	3569	3.2	292393	19.1	3615	0.8	34046	21.7	10	10	339	6405.5	9787	0.5
340	10	12	6415	1034	1.4	17225	71.2	4003	4.6	337969	20.2	4116	0.5	36890	28.2	10	10	340	6415	10013	0.4
341	10	12	6424.6	586	0.9	12020	49	3730	6	303672	20.8	3308	0.5	33654	20.7	10	10	341	6424.6	9886	0.7
342	10	12	6434.2	615	0.8	11715	48.8	3719	3.2	286642	18.3	3275	2.2	31106	20.8	10	10	342	6434.2	9672	0.7
343	10	12	6443.9	435	0.3	10605	48.3	3980	3.8	307291	18.9	3116	1.2	30112	22.9	10	10	343	6443.9	10061	0.5
344	10	12	6453.7	585	0.8	9828	53.1	3724	4.4	340570	19.8	3249	1.1	32468	19.2	10	10	344	6453.7	10362	0.9
345	10	12	6463.6	548	0.9	9597	41.8	3732	3.7	363486	15.9	2979	1.4	30381	21.1	10	10	345	6463.6	10189	0.8
346	10	12	6473.6	470	0.6	9560	42.8	3613	5.1	294808	17.6	3239	0.5	29538	17.4	10	10	346	6473.6	9900	0.9
347	10	12	6483.7	818	1.8	13548	53.3	3726	3.2	322426	20.7	3477	0.7	33690	24.3	10	10	347	6483.7	9863	1.4
348	10	12	6493.9	861	0.8	14080	58.3	3864	4.4	334005	22.5	3650	0.8	35891	26.4	10	10	348	6493.9	9581	1.1
349	10	12	6504.3	812	1.5	15859	63.3	3697	6.1	329536	21.2	4342	0.8	36188	24.9	10	10	349	6504.3	9639	0.6
350	10	12	6514.8	810	1.2	13862	51.2	3570	4.1	313377	19.3	3854	1.2	35205	21.9	10	10	350	6514.8	9646	1.1
351	10	11	6525.5	290	1.2	6085	25.5	3541	4.1	204517	16	2692	0.6	27280	12.1	10	10	351	6525.5	9662	0.6
352	10	11	6536.4	408	0.8	7766	37.4	3591	3.7	215650	21.9	2843	0.2	28104	15.1	10	10	352	6536.4	9397	1.8
353	10	12	6547.4	620	0.6	11406	51.8	3711	4.4	287664	20.3	3183	0.9	29631	21.8	10	10	353	6547.4	9470	0.6

354	10	12	6558.7	819	1.2	15607	60	3301	2	328424	21.2	3885	0.7	34763	23.3	10	10	354	6558.7	10132	0.5
355	10	12	6570.2	908	1.3	16917	61.6	3649	3.8	330034	22.1	4143	0.5	35824	27.8	10	10	355	6570.2	9563	1.2
356	10	11	6581.9	146	0.4	3089	8.7	3427	2.5	82557	10.9	1116	0.5	16270	5.3	10	10	356	6581.9	9246	0.5
357	10	11	6593.9	144	0.7	967	2	3575	2.8	9682	1.2	461	0.8	8810	1.3	10	10	357	6593.9	8945	0.9
358	10	11	6606.2	720	1.2	9898	47.1	3861	1.7	238081	18	3288	0.9	29526	19.5	10	10	358	6606.2	9512	1.2
359	10	11	6618.7	333	1	7722	31.8	3632	3.4	206405	16.4	2923	0.8	26815	13.4	10	10	359	6618.7	9192	1.2
360	10	12	6631.5	822	1.4	13783	47.1	3688	4.3	308966	19.8	3313	0.8	30434	23.2	10	10	360	6631.5	9665	1.1
361	10	12	6644.6	665	1	13577	56.3	3857	4	312975	20	3693	0.9	34709	22	10	10	361	6644.6	9735	0.7
362	10	12	6658.1	466	1.8	10733	49.6	3962	2.5	278919	17.7	3501	1	31696	17	10	10	362	6658.1	9698	0.5
363	10	12	6671.8	506	1.3	11091	51.4	4099	2.9	274896	18.5	3118	1.2	30234	20.8	10	10	363	6671.8	9646	1.1
364	10	11	6686	591	1.4	11161	45.9	3666	2.9	257274	21	3129	1	29175	20	10	10	364	6686	9447	0.9
365	10	12	6700.5	506	0.6	9844	40.1	3439	3.6	262622	15.9	2833	0.7	29239	17.6	10	10	365	6700.5	9897	0.7
366	10	11	6715.4	311	0.9	7332	24.4	3545	4.4	203727	18.1	2763	0.6	29721	10.5	10	10	366	6715.4	10118	0.7
367	10	11	6730.6	219	0.5	4307	16.3	3284	3	138453	18.8	2058	0.9	22500	9.1	10	10	367	6730.6	9873	1.5
368	10	12	6746.4	487	1.4	9828	44.6	3671	3.6	255454	17.9	2979	0.5	30084	18.8	10	10	368	6746.4	9904	0.8
369	10	12	6762.5	846	0.9	15245	61.9	3800	4	319760	20.8	4215	0.7	35179	27.5	10	10	369	6762.5	5039	194.7
370	10	12	6779.1	682	0.9	12913	52.9	3886	3.8	307050	20.6	3562	1.3	33840	20.9	10	10	370	6779.1	9908	0.9
371	10	12	6796.2	660	0.8	13181	56.3	3822	4.2	307498	20.7	3466	0.9	33481	22.2	10	10	371	6796.2	9863	1.6
372	10	12	6813.7	428	2	9985	37.5	3888	5.3	273749	17	3303	0.5	30876	17.7	10	10	372	6813.7	9872	1.1
373	10	11	6831.8	276	1.8	4900	20.4	3729	4.8	180437	16.1	2794	0.5	27169	11.7	10	10	373	6831.8	9623	1.2
374	10	12	6850.4	451	1.5	9905	43.9	3946	3.5	267667	18.4	3293	1.3	31496	19	10	10	374	6850.4	9855	1.6
375	10	12	6869.5	737	2.6	13074	58.3	3867	4.1	300135	21.3	3664	0.6	32971	22.9	10	10	375	6869.5	9611	0.6
376	10	12	6889.2	638	1	10906	53.9	4049	4.4	293904	23.7	3328	0.4	30893	25.4	10	10	376	6889.2	9769	0.8
377	10	12	6909.5	833	0.7	12960	57.9	4042	3.5	292307	23.5	3456	0.7	35063	23.9	10	10	377	6909.5	9610	0.9
378	10	12	6930.4	688	2.6	14921	59.3	4069	2.3	308767	25	3548	0.5	34064	24.6	10	10	378	6930.4	9898	0.5
379	10	12	6951.9	762	1.5	16696	59.1	3923	3.6	317931	24.5	3978	1.1	34906	26.5	10	10	379	6951.9	9780	1.2
380	10	12	6974	745	1	13704	53.4	3858	2.9	310164	21.5	3202	0.7	30979	25.1	10	10	380	6974	9834	1.8
381	10	12	6996.8	748	1.4	17383	59.4	3806	2.5	310465	21.8	3888	0.6	34088	27.2	10	10	381	6996.8	9650	0.6
382	10	12	7020.3	1142	1.5	19678	64.6	4089	2.2	335059	23.3	3972	1.2	35032	33.5	10	10	382	7020.3	9804	1.1
383	10	12	7044.5	1397	2.8	21794	76.5	4362	3.2	349403	30.3	4373	0.7	38338	39.4	10	10	383	7044.5	9851	1.1
384	10	12	7069.4	838	1.2	18329	67.6	4334	2.5	325433	27.7	4123	1.2	35912	30.8	10	10	384	7069.4	9636	1
385	10	11	7095.1	570	1.7	10495	48.9	3280	4.6	249508	19.1	3008	1	27347	23.5	10	10	385	7095.1	8465	1.1
386	10	11	7121.5	296	0.5	5428	30.7	1653	2.6	158526	11.1	1976	0.6	18710	9.6	10	10	386	7121.5	6188	1.2
387	10	11	7148.7	265	0.8	6514	33.2	1860	1.9	162775	15.4	2218	0.6	18997	12.9	10	10	387	7148.7	5184	0.9

Bulk grain size data CBT-CS11

Depth (cm)	Age (yrs cal BP)	D10 (μm)	D50 (μm)	D90 (μm)
4	25.406	26.7	123.8	267.9
8	99.289	43.8	129.0	260.5
14	191.42	27.9	124.7	252.3
17	230.22	42.6	127.3	253.2
24	305.34	49.2	129.8	259.8
27	332.04	43.6	127.4	256.0
34	384.67	48.1	130.5	259.1
37	404.02	57.4	135.7	271.8
44	444.39	63.5	143.1	282.7
47	460.44	54.7	141.7	343.1
54	497.18	56.3	137.1	266.5
57	513.29	52.3	137.9	274.5
64	553.5	51.9	141.5	317.3
67	572.4	48.3	133.9	268.6
75	629.53	52.9	136.9	271.6
84	708.52	57.3	145.9	304.5
87	738.89	44.8	138.7	291.8
110	1050.1	57.9	144.4	285.6
113	1101.5	60.6	146.1	288.3
120	1231.6	54.9	145.9	293.0
123	1291.6	52.6	141.2	277.1

**CaCO₃-free grain size data CBT-
CS11**

Depth (cm)	Age (yrs cal BP)	D10 (μm)	D50 (μm)	D90 (μm)
0.5	-48.65	4.7975	68.561	279.54
4.5	35.243	3.8262	47.822	179.61
11	147.95	5.8792	59.802	175.24
13	177.47	5.3491	50.078	175.49
21	275.55	6.396	60.564	183.32
23	295.78	4.7308	49.691	181.76
31	363.56	5.0795	62.413	196.3
33	377.84	5.3491	50.078	175.49
41	427.74	5.387	54.434	200.98
43	438.92	4.8261	49.465	179.62
51	481.41	4.1757	53.151	182.5
61	535.7	3.9859	43.318	182.47
71	599.62	3.9662	59.267	187.96
81	680.24	4.8173	56.124	185.78
91	782.84	3.8073	50.221	186.49
93.5	812.38	4.8067	61.524	193.15
98	869.73	5.762	60.614	185.31
100	896.99	5.2077	61.77	192.61
106	985.45	5.9858	64.123	186.36
116	1155.6	5.791	60.617	194.51
118	1193	4.0655	65.666	191.83

130	1441.2	51.7	143.1	288.8	126	1354.1	5.0199	53.86	185.66
133	1509.4	60.3	146.3	287.3	128	1397.1	4.9446	49.084	184.74
140	1677.5	50.6	139.6	273.5	136	1579.9	5.1953	75.716	216.6
143	1753.2	59.2	146.7	302.8	138	1628.2	5.339	61.543	190.78
153	2020.5	61.7	147.2	290.7	146	1831.1	4.8025	55.351	190.89
161	2248.9	56.2	145.6	297.6	148	1884.1	4.3363	44.218	184.74
170	2518.7	55.7	143.5	293.0	156.5	2119	4.9525	54.218	189.08
173	2611.2	64.2	153.5	357.9	158	2161.9	4.2872	62.559	192.95
180	2830.8	49.2	138.6	272.3	166	2397.3	3.9643	45.499	191.59
183	2926.2	48.9	141.3	289.8	168	2457.8	5.7815	69.311	193.44
191	3183.5	57.4	146.1	296.6	176	2704.7	5.3567	64.888	194.5
194	3280.6	43.9	138.5	276.9	178	2767.5	4.6177	48.282	183.83
197	3377.8	51.2	137.3	270.5	186	3022.3	5.1287	55.187	196.56
200	3475.1	46.8	137.5	271.4	188	3086.7	5.6935	58.743	191.45
207	3701.2	51.2	143.0	350.7	203.5	3588.3	6.5416	82.508	203.17
210	3797.5	49.1	135.5	266.5	213.5	3909.2	6.7536	82.406	201.87
217	4019.8	51.6	139.3	281.7	223.5	4222.1	6.1005	79.59	200.43
220	4113.7	45.3	132.4	259.6	233.5	4522.6	5.0266	70.34	199.79
227	4328.9	30.0	134.3	323.6	243.5	4806.7	5.0183	72.281	189.72
230	4419.1	42.0	135.5	275.2	244.5	4834	4.6073	65.611	187.05
237	4624.1	40.2	132.5	267.5	253.5	5070.8	4.8342	69.536	190.17
240	4709.3	46.7	131.3	256.4	256.5	5145.7	5.5291	63.664	187.86
247	4901.5	37.4	128.6	253.4	263.5	5312.2	5.6106	77.018	195.72
252	5032.6	32.7	128.3	254.1	264.5	5335	6.0979	74.257	195.54
257	5158	43.8	133.7	276.7	266.5	5379.9	5.8767	63.664	195.24
260	5230.4	42.9	142.6	826.9	273.5	5529	5.7136	81.601	204.21
267	5391	40.1	126.6	255.8	276.5	5589.1	5.0424	74.995	200.08
271	5477.2	38.6	126.7	260.5	283.5	5720.4	4.5833	65.841	184.27
277	5598.9	51.8	128.6	255.5	286.5	5772.8	4.4155	55.081	188.95
280	5656.3	32.1	120.5	249.2	292.5	5871	6.2824	73.649	188.84
287	5781.3	47.1	123.0	252.4	296.5	5931.7	5.8568	75.929	208.94
290	5831.2	39.6	120.3	243.5	305.5	6055	6.6137	76.475	188.74
300	5981.7	33.3	117.9	263.1	315.5	6173.3	5.9551	67.726	177.51
307	6073.9	29.1	110.4	234.1	325.5	6276.9	7.3479	73.093	180.98
310	6110.4	42.3	127.9	667.8	335.5	6372.4	9.5867	79.341	184.66
320	6221.4	37.5	115.3	243.9	345.5	6468.6	6.9248	70.066	169.28

328	6301.2	42.0	118.0	247.9	346.5	6478.6	15.667	99.236	441.77
331	6329.9	31.2	108.2	225.1	355.5	6576.1	8.9659	71.805	169.72
339	6405.5	34.7	110.6	232.1	356.5	6587.9	9.1749	78.717	173.17
342	6434.2	37.0	110.8	228.6	366.5	6723	5.1482	67.899	210.9
349	6504.3	30.4	105.0	217.0	375.5	6879.3	8.2594	73.697	169.4
352	6536.4	41.2	110.7	242.7	376.5	6899.3	12.549	79.152	174.12
359	6618.7	41.1	109.5	228.8	385.5	7108.2	11.9	80.278	172.25
362	6658.1	41.4	108.6	224.7	386.5	7135	8.4605	75.725	168.24
368	6746.4	38.5	108.2	220.8					
371	6796.2	37.5	107.7	219.8					
378	6930.4	39.6	105.5	213.8					
381	6996.8	40.0	103.6	207.5					

