

Supplemental Table 1. Elemental Concentrations in Obsidian Artifacts from Tikal, Guatemala, as Determined by pXRF. Concentrations are in ppm.

Sample	Date	Run by	Group	Source	K	Ca	Ti	Mn	Fe	Zn	Rb	Sr	Zr	Nb	Ba	Rb/Sr	Mn/Fe
#18 OCT 8	10/8/10	JM	Group 4	Pachuca	33344	9792	962	955	15459	221	202	3	943	76	279	67.33333333	0.061776312
Green 12K/52	10/28/10	JM	Group 4	Pachuca	44877	854	1472	1239	18294	283	244	3	1047	85		81.33333333	0.067727124
T0001 10A	12/16/10	JM	Group 1	EI Chayal	29502	5951	623	565	5466	35	158	163	112	16	637	0.969325153	0.103366264
T0001 10B	12/16/10	JM	Group 1	EI Chayal	30485	5435	630	562	5507	34	157	167	112	18	604	0.94011976	0.102051934
T0001 10C	12/16/10	JM	Group 1	EI Chayal	30942	5593	642	538	5584	36	159	172	112	17	658	0.924418605	0.096346705
T0001 10D	12/16/10	JM	Group 1	EI Chayal	29683	5299	716	521	5376	26	155	164	104	15	580	0.945121951	0.096912202
T0001 10E	12/16/10	JM	Group 1	EI Chayal	29329	15849	743	552	5779	62	173	175	125	21	656	0.988571429	0.095518256
T0001 10F	12/16/10	JM	Group 1	EI Chayal	37928	5489	714	577	5523	33	157	162	108	15	626	0.969135802	0.104472207
T0001 10G	12/16/10	JM	Group 1	EI Chayal	32273	5422	777	556	5691	36	151	164	108	15	520	0.920731707	0.09769812
T0001 10H	12/16/10	JM	Group 1	EI Chayal	30943	5915	651	564	5574	36	169	183	120	23	645	0.923497268	0.101184069
T0001 10I	12/16/10	JM	Group 1	EI Chayal	32502	6256	684	589	5885	33	193	203	124	26	673	0.950738916	0.100084962
T0001 10J	12/16/10	JM	Group 1	EI Chayal	31728	5703	659	562	5639	32	154	171	106	10	647	0.900584795	0.099663061
T0001 11A	12/16/10	JM	Group 1	EI Chayal	37660	5970	649	550	5300	25	166	168	109	17	646	0.988095238	0.103773585
T0001 11B	12/16/10	JM	Group 1	EI Chayal	30137	6539	669	553	5629	33	156	162	105	13	678	0.962962963	0.098241251
T0001 11C	12/16/10	JM	Group 1	EI Chayal	29773	5296	660	517	5360	37	150	167	100	15	612	0.898203593	0.096455224
T0001 11D	12/16/10	JM	Group 1	EI Chayal	30041	5972	648	565	5446	30	157	168	104	12	627	0.93452381	0.103745869
T0001 11E	12/16/10	JM	Group 1	EI Chayal	55074	5174	653	554	5453	32	156	166	114	16	592	0.939759036	0.101595452
T0001 11F	12/16/10	JM	Group 1	EI Chayal	29475	5069	613	557	5534	33	141	147	98	13	719	0.959183673	0.100650524
T0001 11G	12/16/10	JM	Group 1	EI Chayal	30104	5847	773	565	5681	33	162	162	105	18	605	1	0.099454321
T0001 11H	12/16/10	JM	Group 1	EI Chayal	30218	5651	717	587	5610	32	164	167	113	17	577	0.982035928	0.104634581
T0001 11I	12/16/10	JM	Group 1	EI Chayal	30684	5408	713	558	5575	32	143	155	102	15	706	0.922580645	0.100089686
T0001 11J	12/16/10	JM	Group 1	EI Chayal	30752	5453	668	574	5619	35	157	162	107	15	630	0.969135802	0.102153408
T0001 12A	12/16/10	JM	Group 1	EI Chayal	30209	5387	682	537	5485	25	142	154	104	13	587	0.922077922	0.097903373
T0001 12B	12/16/10	JM	Group 1	EI Chayal	30022	5544	690	548	5550	28	149	156	100	12	657	0.955128205	0.098738739
T0001 12C	12/16/10	JM	Group 1	EI Chayal	53715	5197	583	541	5564	35	175	185	116	21	716	0.945945946	0.097232207
T0001 12D	12/16/10	JM	Group 1	EI Chayal	32440	6146	702	606	5845	41	163	174	110	19	688	0.936781609	0.103678358
T0001 12E	12/16/10	JM	Group 1	EI Chayal	31355	6198	538	573	5606	31	163	174	113	19	676	0.936781609	0.102211916
T0001 12F	12/16/10	JM	Group 1	EI Chayal	30313	5625	622	577	5634	29	159	163	107	16	615	0.975460123	0.102413916
T0001 12G	12/16/10	JM	Group 1	EI Chayal	29602	5425	629	547	5483	29	151	159	105	16	647	0.949685535	0.099762904
T0001 12H	12/16/10	JM	Group 1	EI Chayal	32588	6545	633	601	5678	39	157	171	107	16	705	0.918128655	0.105847129
T0001 12I	12/16/10	JM	Group 1	EI Chayal	30220	5426	735	565	5524	32	148	166	108	15	591	0.891566265	0.102280956
T0001 12J	12/16/10	JM	Group 1	EI Chayal	30996	6113	776	560	5700	36	167	170	114	22	593	0.982352941	0.098245614
T0001 13A	12/16/10	JM	Group 1	EI Chayal	30640	5331	602	544	5559	29	161	171	107	16	761	0.941520468	0.097859327
T0001 13B	12/16/10	JM	Group 1	EI Chayal	29948	5067	649	570	5467	27	168	163	114	18	611	1.030674847	0.104261935
T0001 13C	12/16/10	JM	Group 1	EI Chayal	29887	5322	593	562	5472	29	161	168	115	19	701	0.958333333	0.102704678
T0001 13D	12/16/10	JM	Group 1	EI Chayal	29283	5392	698	553	5578	26	145	154	104	13	635	0.941558442	0.099139477
T0001 13E	12/16/10	JM	Group 1	EI Chayal	31426	6070	630	557	5654	31	161	169	105	16	687	0.952662722	0.098514326
T0001 13F	12/16/10	JM	Group 1	EI Chayal	31636	6744	806	597	5834	17	168	165	108	19	587	1.018181818	0.102331162
T0001 13G	12/16/10	JM	Group 1	EI Chayal	31163	5526	688	571	5626	27	156	172	112	16	637	0.906976744	0.101493068
T0001 13H	12/16/10	JM	Group 1	EI Chayal	30250	5698	639	557	5528	32	148	151	100	10	710	0.98013245	0.100759768
T0001 13I	12/16/10	JM	Group 1	EI Chayal	31454	6574	726	573	5538	32	155	169	112	17	612	0.917159763	0.103466956
T0001 13J	12/16/10	JM	Group 1	EI Chayal	30335	5542	589	568	5608	31	148	159	103	15	732	0.93081761	0.10128388
T0001 14A	12/16/10	JM	Group 1	EI Chayal	30507	5351	730	556	5557	39	179	189	125	23	581	0.947089947	0.100053986
T0001 14B	12/16/10	JM	Group 1	EI Chayal	30552	5387	548	555	5561	29	144	160	95	14	697	0.9	0.099802194
T0001 14C	12/16/10	JM	Group 1	EI Chayal	31195	6126	628	579	5710	28	153	161	105	13	659	0.950310559	0.101401051
T0001 14D	12/16/10	JM	Group 1	EI Chayal	32114	6107	671	598	5844	36	162	173	108	16	730	0.936416185	0.102327173

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T0001 14E	12/16/10	JM	Group 1	EI Chayal	29807	5407	628	552	5482	33	148	152	99	12	605	0.973684211	0.100693178
T0001 14F	12/16/10	JM	Group 1	EI Chayal	34062	6152	711	590	5928	42	172	173	113	18	695	0.994219653	0.099527665
T0001 14G	12/16/10	JM	Group 1	EI Chayal	30416	5547	683	547	5469	32	153	163	103	16	633	0.938650307	0.100018285
T0001 14H	12/16/10	JM	Group 1	EI Chayal	30300	5154	562	541	5542	31	143	157	101	11	624	0.910828025	0.097618188
T0001 14I	12/16/10	JM	Group 1	EI Chayal	30614	5772	763	579	5472	37	153	168	107	17	576	0.910714286	0.105811404
T0001 14J	12/16/10	JM	Group 1	EI Chayal	31339	5665	790	594	5685	38	156	170	111	17	537	0.917647059	0.104485488
T0001 15A	12/16/10	JM	Group 1	EI Chayal	30177	5470	697	554	5412	34	149	160	94	14	588	0.93125	0.102365115
T0001 15B	12/16/10	JM	Group 1	EI Chayal	29111	5606	635	562	5441	24	160	167	110	18	634	0.958083832	0.103289836
T0001 15C	12/16/10	JM	Group 1	EI Chayal	30352	5470	755	593	5590	27	150	165	105	18	600	0.909090909	0.10608229
T0001 15D	12/16/10	JM	Group 1	EI Chayal	32192	5481	736	586	5685	30	157	173	107	18	601	0.907514451	0.103078276
T0001 15E	12/16/10	JM	Group 1	EI Chayal	31743	5694	666	568	5882	27	169	179	117	19	688	0.944134078	0.096565794
T0001 15F	12/16/10	JM	Group 1	EI Chayal	30668	5477	714	574	5548	28	151	164	106	14	593	0.920731707	0.103460707
T0001 15G	12/16/10	JM	Group 1	EI Chayal	30644	5680	724	569	5676	32	164	175	111	21	645	0.937142857	0.100246653
T0001 15H	12/16/10	JM	Group 1	EI Chayal	30706	5338	618	568	5663	33	164	173	114	16	681	0.947976879	0.100300194
T0001 15I	12/16/10	JM	Group 1	EI Chayal	45878	5215	577	568	5458	27	164	169	109	16	613	0.970414201	0.104067424
T0001 15J	12/16/10	JM	Group 1	EI Chayal	31530	5548	744	596	5662	26	162	172	116	18	602	0.941860465	0.105263158
T0001 16A	12/23/10	JM	Group 1	EI Chayal	30375	6140	695	574	5892	135	148	161	103	15	629	0.919254658	0.097420231
T0001 16B	12/23/10	JM	Group 1	EI Chayal	29210	5839	602	518	5590	133	155	165	112	16	621	0.939393939	0.092665474
T0001 16C	12/23/10	JM	Group 1	EI Chayal	31105	5927	670	549	5727	121	157	171	114	15	620	0.918128655	0.095861708
T0001 16D	12/23/10	JM	Group 1	EI Chayal	32741	7357	653	591	6244	176	156	162	111	14	728	0.962962963	0.094650865
T0001 16E	12/23/10	JM	Group 1	EI Chayal	44981	8270	719	527	5830	124	158	156	105	13	595	1.012820513	0.090394511
T0001 16F	12/23/10	JM	Group 1	EI Chayal	28551	6221	575	561	5733	146	155	169	107	16	642	0.917159763	0.097854526
T0001 16G	12/23/10	JM	Group 1	EI Chayal	30508	7276	674	577	6017	144	159	165	109	17	726	0.963636364	0.095894964
T0001 16H	12/23/10	JM	Group 1	EI Chayal	28521	6060	637	547	5828	154	155	161	105	15	643	0.962732919	0.093857241
T0001 16I	12/23/10	JM	Group 1	EI Chayal	31239	6412	763	576	6050	192	179	185	119	22	611	0.967567568	0.095206612
T0001 16J	12/23/10	JM	Group 1	EI Chayal	28952	6246	748	552	5810	140	166	170	113	16	592	0.976470588	0.095008606
T0001 17A	12/23/10	JM	Group 1	EI Chayal	29473	5376	688	519	5773	144	156	165	106	16	637	0.945454545	0.089901265
T0001 17B	12/23/10	JM	Group 1	EI Chayal	30065	5890	712	582	5950	164	184	197	138	32	528	0.934010152	0.097815126
T0001 17C	12/23/10	JM	Group 1	EI Chayal	31405	6036	666	551	5939	162	161	175	109	18	611	0.92	0.092776562
T0001 17D	12/23/10	JM	Group 1	EI Chayal	30093	6828	596	577	5986	138	158	172	114	16	759	0.918604651	0.09639158
T0001 17E	12/23/10	JM	Group 1	EI Chayal	32315	5740	646	579	5726	132	153	168	108	16	672	0.910714286	0.101117709
T0001 17F	12/23/10	JM	Group 1	EI Chayal	31307	6344	789	584	6172	148	171	182	125	23	550	0.93956044	0.094620868
T0001 17G	12/23/10	JM	Group 1	EI Chayal	31338	6371	661	589	6009	147	181	194	121	20	670	0.932989691	0.098019637
T0001 17H	12/23/10	JM	Group 1	EI Chayal	32054	6636	758	605	6171	166	164	172	114	17	620	0.953488372	0.098039216
T0001 17I	12/23/10	JM	Group 1	EI Chayal	31445	6216	718	549	5936	132	193	197	132	25	672	0.979695431	0.092486523
T0001 17J	12/23/10	JM	Group 1	EI Chayal	32823	6425	733	624	6326	173	201	199	140	30	734	1.010050251	0.098640531
T0001 18A	12/23/10	JM	Group 1	EI Chayal	32499	6217	767	553	5696	55	162	169	106	16	605	0.958579882	0.097085674
T0001 18B	12/23/10	JM	Group 1	EI Chayal	31935	5446	592	565	5744	54	158	167	102	11	731	0.946107784	0.09836351
T0001 18C	12/23/10	JM	Group 2	San Martin	30519	7306	595	481	6066	55	114	213	109	12	827	0.535211268	0.079294428
T0001 18D	12/23/10	JM	Group 1	EI Chayal	31797	5962	685	582	5732	48	163	170	110	10	652	0.958823529	0.101535241
T0001 18E	12/23/10	JM	Group 1	EI Chayal	31667	5442	703	544	5565	49	153	158	100	13	642	0.96835443	0.097753819
T0001 18F	12/23/10	JM	Group 1	EI Chayal	30524	5563	656	558	5479	57	156	164	106	15	698	0.951219512	0.101843402
T0001 18G	12/23/10	JM	Group 1	EI Chayal	30833	5583	698	593	5664	41	159	166	106	16	629	0.957831325	0.104696328
T0001 18H	12/23/10	JM	Group 1	EI Chayal	29319	5576	655	563	5569	42	156	167	107	14	658	0.934131737	0.101095349
T0001 18I	12/23/10	JM	Group 1	EI Chayal	45272	5810	680	564	5664	51	156	175	114	15	667	0.891428571	0.099576271
T0001 18J	12/23/10	JM	Group 1	EI Chayal	30988	5591	649	536	5550	46	150	158	104	11	635	0.949367089	0.096576577
T0001 19A	12/23/10	JM	Group 1	EI Chayal	30812	6377	653	576	5714	58	162	166	109	15	658	0.975903614	0.10080504

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T0001 19B	12/23/10	JM	Group 1	EI Chayal	30463	5409	614	590	5665	57	163	171	112	17	750	0.953216374	0.104148279
T0001 19C	12/23/10	JM	Group 1	EI Chayal	51472	5067	499	533	5352	48	148	153	104	11	654	0.967320261	0.099588939
T0001 19D	12/23/10	JM	Group 1	EI Chayal	31035	11961	691	554	5742	49	163	162	108	13	596	1.00617284	0.096482062
T0001 19E	12/23/10	JM	Group 1	EI Chayal	28744	6160	679	537	5612	48	152	158	105	16	587	0.962025316	0.095687812
T0001 19F	12/23/10	JM	Group 1	EI Chayal	30057	5732	586	545	5465	46	159	162	108	14	701	0.981481481	0.099725526
T0001 19G	12/23/10	JM	Group 1	EI Chayal	31256	5465	664	567	5613	47	179	186	124	19	598	0.962365591	0.1010155
T0001 19H	12/23/10	JM	Group 1	EI Chayal	29704	7183	712	574	5694	41	160	168	109	15	654	0.952380952	0.100807868
T0001 19I	12/23/10	JM	Group 1	EI Chayal	30426	5410	708	533	5586	39	159	179	112	17	600	0.888268156	0.095417114
T0001 19J	12/23/10	JM	Group 1	EI Chayal	33112	5916	764	611	6047	43	179	185	123	24	669	0.967567568	0.101041839
T0001 1A	12/3/10	JM	Group 1	EI Chayal	29923	5593	685	560	5441	32	141	155	91	8	612	0.909677419	0.102922257
T0001 1B	12/3/10	JM	Group 1	EI Chayal	29422	5461	651	545	5496	34	147	161	100	11	598	0.913043478	0.099163028
T0001 1C	12/3/10	JM	Group 1	EI Chayal	28795	5044	661	536	5345	30	144	151	101	11	668	0.953642384	0.100280636
T0001 1D	12/3/10	JM	Group 1	EI Chayal	28563	5248	628	544	5280	29	154	158	101	14	584	0.974683544	0.103030303
T0001 1E	12/3/10	JM	Group 1	EI Chayal	29280	6322	627	548	5479	31	152	155	102	11	590	0.980645161	0.100018252
T0001 1F	12/3/10	JM	Group 1	EI Chayal	29099	5496	644	522	5432	32	151	160	107	14	612	0.94375	0.096097202
T0001 1G	12/3/10	JM	Group 1	EI Chayal	32952	5662	672	545	5488	35	153	160	96	9	564	0.95625	0.09930758
T0001 1H	12/3/10	JM	Group 1	EI Chayal	30106	5475	700	569	5496	27	155	163	102	14	631	0.950920245	0.10352984
T0001 1I	12/3/10	JM	Group 1	EI Chayal	29997	5750	632	532	5462	36	150	157	97	10	660	0.955414013	0.09740022
T0001 1J	12/3/10	JM	Group 1	EI Chayal	29415	5555	732	547	5448	35	156	166	110	16	589	0.939759036	0.100403818
T0001 20A	12/23/10	JM	Group 1	EI Chayal	32842	6610	663	592	5744	39	159	177	113	16	725	0.898305085	0.103064067
T0001 20B	12/23/10	JM	Group 1	EI Chayal	29803	5323	600	550	5529	34	174	179	118	21	731	0.972067039	0.099475493
T0001 20C	12/23/10	JM	Group 1	EI Chayal	29812	5514	634	567	5593	44	167	175	114	21	617	0.954285714	0.101376721
T0001 20D	12/23/10	JM	Group 1	EI Chayal	31093	5851	730	598	5685	44	163	169	109	14	637	0.964497041	0.105189094
T0001 20E	12/23/10	JM	Group 1	EI Chayal	35831	5805	624	585	6043	45	184	189	124	24	744	0.973544974	0.096806222
T0001 20F	12/23/10	JM	Group 1	EI Chayal	33596	5689	741	562	5543	44	155	175	109	17	621	0.885714286	0.101389139
T0001 20G	12/23/10	JM	Group 1	EI Chayal	29421	6355	518	552	5550	44	163	169	109	16	738	0.964497041	0.099459459
T0001 20H	12/23/10	JM	Group 1	EI Chayal	29876	5249	724	555	5837	39	169	172	115	18	594	0.98255814	0.095083091
T0001 20I	12/23/10	JM	Group 1	EI Chayal	30413	6386	590	548	5596	41	157	164	110	15	674	0.957317073	0.097927091
T0001 20J	12/23/10	JM	Group 2	San Martin	56220	7118	720	470	6137	38	130	219	113	14	710	0.593607306	0.07658465
T0001 21A	12/23/10	JM	Group 1	EI Chayal	29993	5612	675	573	5606	46	174	186	125	24	582	0.935483871	0.102211916
T0001 21B	12/23/10	JM	Group 1	EI Chayal	56529	8402	720	544	5578	50	169	170	113	17	604	0.994117647	0.097525995
T0001 21C	12/23/10	JM	Group 1	EI Chayal	32329	5717	722	601	5726	44	174	184	122	20	667	0.945652174	0.104959832
T0001 21D	12/23/10	JM	Group 1	EI Chayal	31806	5634	633	587	5724	41	174	178	122	22	691	0.97752809	0.102550664
T0001 21E	12/23/10	JM	Group 1	EI Chayal	32280	5656	660	596	5839	48	167	182	126	21	653	0.917582418	0.102072273
T0001 21F	12/23/10	JM	Group 1	EI Chayal	31763	5922	687	582	5696	41	167	186	119	19	691	0.897849462	0.102176966
T0001 21G	12/23/10	JM	Group 1	EI Chayal	32047	5443	721	583	5711	42	162	173	114	14	634	0.936416185	0.102083698
T0001 21H	12/23/10	JM	Group 1	EI Chayal	33071	7646	640	616	5934	30	165	172	106	11	671	0.959302326	0.103808561
T0001 21I	12/23/10	JM	Group 1	EI Chayal	33123	5570	576	604	5750	33	168	175	111	17	758	0.96	0.105043478
T0001 21J	12/23/10	JM	Group 1	EI Chayal	32707	5890	723	581	5891	42	166	172	114	17	668	0.965116279	0.098625021
T0001 22A	12/23/10	JM	Group 1	EI Chayal	34106	5960	671	607	5877	43	176	189	120	23	673	0.931216931	0.103283988
T0001 22B	12/23/10	JM	Group 1	EI Chayal	34025	5722	647	569	5873	34	162	169	112	16	768	0.958579882	0.096884046
T0001 22C	12/23/10	JM	Group 1	EI Chayal	31686	5797	650	599	5766	43	158	163	109	11	641	0.969325153	0.103884842
T0001 22D	12/23/10	JM	Group 1	EI Chayal	31255	6027	598	553	5730	36	173	169	114	18	675	1.023668639	0.096509599
T0001 22E	12/23/10	JM	Group 1	EI Chayal	32692	6046	592	618	5778	30	166	171	111	13	744	0.970760234	0.106957425
T0001 22F	12/23/10	JM	Group 1	EI Chayal	31916	5778	706	597	5875	38	184	191	133	21	623	0.963350785	0.101617021
T0001 22G	12/23/10	JM	Group 1	EI Chayal	34063	6455	781	648	6126	38	169	188	119	20	624	0.89893617	0.105778648
T0001 22H	12/23/10	JM	Group 1	EI Chayal	31224	6210	584	581	5759	42	165	178	115	16	737	0.926966292	0.10088557

**Supplemental Table 1. Elemental Concentrations in Obsidian Artifacts from Tikal, Guatemala, as Determined by pXRF. Concentrations are in ppm.**

T0001 22I	12/23/10	JM	Group 1	EI Chayal	30091	5840	748	559	5574	33	159	170	114	18	582	0.935294118	0.100287047
T0001 22J	12/23/10	JM	Group 1	EI Chayal	33004	6176	687	635	6031	34	176	182	116	14	703	0.967032967	0.105289338
T0001 23 A	12/23/10	JM	Group 1	EI Chayal	31350	5407	685	581	5852	33	163	172	112	17	604	0.947674419	0.099282297
T0001 23 B	12/23/10	JM	Group 1	EI Chayal	33259	6618	566	629	5932	52	185	199	135	27	780	0.929648241	0.106035064
T0001 23 C	12/23/10	JM	Group 1	EI Chayal	30892	14277	803	579	5727	41	168	176	119	18	556	0.954545455	0.101100052
T0001 23 D	12/23/10	JM	Group 1	EI Chayal	57966	6306	698	544	5602	53	179	177	121	20	654	1.011299435	0.097108176
T0001 23 E	12/23/10	JM	Group 2	San Martin	34404	7833	691	543	6714	34	132	240	116	23	796	0.55	0.080875782
T0001 2A	12/3/10	JM	Group 1	EI Chayal	30135	5735	667	581	5521	37	155	166	105	15	609	0.93373494	0.105234559
T0001 2B	12/3/10	JM	Group 1	EI Chayal	29673	5405	561	531	5423	33	152	158	103	13	664	0.962025316	0.097916283
T0001 2C	12/3/10	JM	Group 1	EI Chayal	30305	5234	705	560	5503	26	147	159	114	14	551	0.924528302	0.101762675
T0001 2D	12/3/10	JM	Group 1	EI Chayal	58262	4815	507	507	5197	19	155	152	100	17	659	1.019736842	0.097556282
T0001 2E	12/3/10	JM	Group 1	EI Chayal	33406	5911	658	545	5630	27	162	166	112	21	691	0.975903614	0.096802842
T0001 2F	12/3/10	JM	Group 1	EI Chayal	29016	5435	712	559	5422	26	156	163	105	16	567	0.957055215	0.103098488
T0001 2G	12/3/10	JM	Group 1	EI Chayal	29970	5468	683	546	5591	29	162	171	108	18	598	0.947368421	0.097656949
T0001 2H	12/3/10	JM	Group 1	EI Chayal	30756	5399	662	558	5606	24	144	156	94	12	666	0.923076923	0.099536211
T0001 2I	12/3/10	JM	Group 1	EI Chayal	29660	5452	636	569	5501	32	146	158	106	14	652	0.924050633	0.103435739
T0001 2J	12/3/10	JM	Group 1	EI Chayal	44846	5187	682	546	5405	29	154	169	107	17	566	0.911242604	0.101017576
T0001 3A	12/3/10	JM	Group 1	EI Chayal	32059	6016	645	557	5632	36	158	168	104	12	721	0.94047619	0.098899148
T0001 3B	12/3/10	JM	Group 1	EI Chayal	30014	5857	844	543	5552	35	153	163	105	11	550	0.938650307	0.097802594
T0001 3C	12/3/10	JM	Group 1	EI Chayal	62624	7032	659	512	5230	30	165	150	98	10	523	1.1	0.09789675
T0001 3D	12/3/10	JM	Group 1	EI Chayal	30373	5108	631	553	5412	34	152	160	106	14	656	0.95	0.10218034
T0001 3E	12/3/10	JM	Group 1	EI Chayal	29254	5501	756	540	5371	41	142	148	104	10	543	0.959459459	0.100539937
T0001 3F	12/3/10	JM	Group 1	EI Chayal	29728	4887	608	546	5292	29	152	155	99	11	661	0.980645161	0.103174603
T0001 3G	12/3/10	JM	Group 1	EI Chayal	29232	5566	657	540	5481	30	148	158	99	14	608	0.936708861	0.098522167
T0001 3H	12/3/10	JM	Group 1	EI Chayal	28736	5552	697	543	5472	30	157	158	104	15	567	0.993670886	0.099232456
T0001 3I	12/3/10	JM	Group 1	EI Chayal	30785	5876	659	565	5592	28	155	163	104	17	646	0.950920245	0.101037196
T0001 3J	12/3/10	JM	Group 1	EI Chayal	41611	4799	664	508	5337	30	144	153	99	9	577	0.941176471	0.095184561
T0001 4A	12/3/10	JM	Group 1	EI Chayal	51198	4837	614	534	5260	31	152	162	101	12	598	0.938271605	0.101520913
T0001 4B	12/3/10	JM	Group 1	EI Chayal	29816	5266	572	548	5488	38	152	156	107	13	652	0.974358974	0.099854227
T0001 4C	12/3/10	JM	Group 1	EI Chayal	29141	7342	648	554	5487	37	164	171	114	17	599	0.959064327	0.100965919
T0001 4D	12/3/10	JM	Group 1	EI Chayal	29921	5573	645	536	5314	28	152	156	103	12	637	0.974358974	0.100865638
T0001 4E	12/3/10	JM	Group 1	EI Chayal	29749	5799	600	544	5488	36	149	162	106	14	690	0.919753086	0.099125364
T0001 4F	12/3/10	JM	Group 1	EI Chayal	31577	6245	553	584	5783	34	161	170	114	16	857	0.947058824	0.100985648
T0001 4G	12/3/10	JM	Group 1	EI Chayal	43508	5618	521	543	5347	25	141	152	97	13	642	0.927631579	0.101552272
T0001 4H	12/3/10	JM	Group 1	EI Chayal	30344	5374	619	549	5492	28	152	151	104	14	645	1.006622517	0.099963583
T0001 4I	12/3/10	JM	Group 1	EI Chayal	31053	5482	575	580	5598	32	149	148	100	12	690	1.006756757	0.103608432
T0001 4J	12/3/10	JM	Group 1	EI Chayal	30236	5472	720	549	5576	26	174	177	119	18	594	0.983050847	0.098457676
T0001 5A	12/3/10	JM	Group 1	EI Chayal	32933	7900	683	544	5536	30	152	159	102	16	591	0.955974843	0.098265896
T0001 5B	12/3/10	JM	Group 1	EI Chayal	30303	6030	567	560	5477	27	155	157	107	16	682	0.987261146	0.102245755
T0001 5C	12/3/10	JM	Group 1	EI Chayal	32135	6933	702	568	5719	41	150	156	102	9	665	0.961538462	0.099318063
T0001 5D	12/3/10	JM	Group 1	EI Chayal	30214	5554	644	558	5446	35	160	164	111	16	632	0.975609756	0.102460521
T0001 5E	12/3/10	JM	Group 1	EI Chayal	30180	5855	625	565	5533	36	171	180	117	24	623	0.95	0.102114585
T0001 5F	12/3/10	JM	Group 1	EI Chayal	30316	5399	686	566	5418	32	168	177	122	24	635	0.949152542	0.104466593
T0001 5G	12/3/10	JM	Group 1	EI Chayal	31171	12239	603	550	5540	30	163	173	116	17	700	0.942196532	0.099277978
T0001 5H	12/3/10	JM	Group 1	EI Chayal	32298	5692	699	580	5619	35	160	167	110	14	657	0.958083832	0.103221214
T0001 5I	12/3/10	JM	Group 1	EI Chayal	34385	5450	604	551	5460	30	161	162	108	17	683	0.99382716	0.100915751
T0001 5J	12/3/10	JM	Group 1	EI Chayal	32068	5469	691	570	5644	34	163	163	106	13	622	1	0.100992204

**Supplemental Table 1. Elemental Concentrations in Obsidian Artifacts from Tikal, Guatemala, as Determined by pXRF. Concentrations are in ppm.**

T0001 6A	12/3/10	JM	Group 1	EI Chayal	30598	5912	584	575	5509	24	147	156	107	13	669	0.942307692	0.10437466
T0001 6B	12/3/10	JM	Group 1	EI Chayal	31089	5395	701	563	5630	34	163	165	112	14	604	0.987878788	0.1
T0001 6C	12/3/10	JM	Group 1	EI Chayal	29898	5661	658	562	5384	34	151	162	109	13	633	0.932098765	0.104383358
T0001 6D	12/3/10	JM	Group 1	EI Chayal	29886	6444	637	576	5502	31	162	173	111	15	680	0.936416185	0.104689204
T0001 6E	12/3/10	JM	Group 1	EI Chayal	30479	6472	704	567	5661	28	166	167	115	19	596	0.994011976	0.100158983
T0001 6F	12/3/10	JM	Group 1	EI Chayal	55083	9639	691	514	5290	39	172	177	117	18	619	0.971751412	0.097164461
T0001 6G	12/3/10	JM	Group 1	EI Chayal	45651	6939	627	581	5690	37	176	174	119	22	658	1.011494253	0.102108963
T0001 6H	12/3/10	JM	Group 1	EI Chayal	32336	6022	667	590	5789	42	175	180	118	18	738	0.972222222	0.10191743
T0001 6I	12/3/10	JM	Group 1	EI Chayal	30811	6846	735	555	5496	36	145	161	101	13	574	0.900621118	0.100982533
T0001 6J	12/3/10	JM	Group 1	EI Chayal	30789	6189	583	578	5586	46	172	179	120	25	710	0.960893855	0.103472968
T0001 7A	12/3/10	JM	Group 1	EI Chayal	30382	5626	638	539	5509	31	155	161	104	14	654	0.962732919	0.097839898
T0001 7B	12/3/10	JM	Group 1	EI Chayal	29442	5367	521	544	5478	30	148	159	103	15	739	0.93081761	0.099306316
T0001 7C	12/3/10	JM	Group 1	EI Chayal	40903	5723	738	561	5587	36	163	174	113	16	583	0.936781609	0.10041167
T0001 7D	12/3/10	JM	Group 1	EI Chayal	32112	5943	730	597	5766	39	160	167	104	14	631	0.958083832	0.103537981
T0001 7E	12/3/10	JM	Group 1	EI Chayal	30906	5677	701	555	5585	26	160	165	107	17	608	0.96969697	0.099373321
T0001 7F	12/3/10	JM	Group 1	EI Chayal	32591	6355	770	601	5861	39	187	194	130	21	667	0.963917526	0.102542228
T0001 7G	12/3/10	JM	Group 1	EI Chayal	32146	6378	772	578	5668	28	151	169	110	15	630	0.893491124	0.101976006
T0001 7H	12/3/10	JM	Group 1	EI Chayal	32935	7723	644	581	5843	36	157	169	116	16	738	0.928994083	0.099435222
T0001 7I	12/3/10	JM	Group 1	EI Chayal	32199	5612	740	575	5778	34	149	161	103	11	642	0.925465839	0.099515403
T0001 7J	12/3/10	JM	Group 1	EI Chayal	28737	5299	622	543	5384	29	148	169	104	13	645	0.875739645	0.100854383
T0001 8A	12/16/10	JM	Group 1	EI Chayal	29038	5657	649	553	5326	32	141	156	94	9	558	0.903846154	0.103830267
T0001 8B	12/16/10	JM	Group 1	EI Chayal	41851	5644	608	536	5384	33	146	156	99	12	647	0.935897436	0.099554235
T0001 8C	12/16/10	JM	Group 1	EI Chayal	29620	5823	664	558	5474	28	157	165	109	15	606	0.951515152	0.101936427
T0001 8D	12/16/10	JM	Group 1	EI Chayal	31407	6674	627	577	5680	30	166	169	112	14	704	0.982248521	0.101584507
T0001 8E	12/16/10	JM	Group 1	EI Chayal	31927	6016	647	594	5731	36	165	173	113	14	652	0.953757225	0.103646833
T0001 8F	12/16/10	JM	Group 1	EI Chayal	31464	5869	577	564	5645	31	151	167	108	18	724	0.904191617	0.099911426
T0001 8G	12/16/10	JM	Group 1	EI Chayal	31488	6067	711	559	5433	32	162	166	114	16	630	0.975903614	0.102889748
T0001 8H	12/16/10	JM	Group 1	EI Chayal	31241	6063	546	611	5796	27	168	169	117	18	734	0.99408284	0.105417529
T0001 8I	12/16/10	JM	Group 1	EI Chayal	30866	7164	730	571	5669	30	172	178	119	16	660	0.966292135	0.100723232
T0001 8J	12/16/10	JM	Group 2	San Martin	31438	7959	744	481	6244	35	126	223	115	11	728	0.565022422	0.077033953
T0001 9A	12/16/10	JM	Group 1	EI Chayal	30598	5845	533	569	5627	37	155	168	106	16	732	0.922619048	0.101119602
T0001 9B	12/16/10	JM	Group 1	EI Chayal	29049	5474	552	543	5402	27	138	149	98	13	635	0.926174497	0.100518327
T0001 9C	12/16/10	JM	Group 1	EI Chayal	30688	5763	679	578	5484	46	161	172	111	18	641	0.936046512	0.10539752
T0001 9D	12/16/10	JM	Group 1	EI Chayal	30849	5847	695	567	5743	29	174	178	119	21	644	0.97752809	0.098728887
T0001 9E	12/16/10	JM	Group 1	EI Chayal	30070	5981	769	566	5577	39	174	181	119	20	564	0.961325967	0.101488255
T0001 9F	12/16/10	JM	Group 1	EI Chayal	29811	6163	683	572	5491	35	158	161	103	14	651	0.98136646	0.104170461
T0001 9G	12/16/10	JM	Group 1	EI Chayal	31769	7170	718	593	5920	41	163	176	111	16	670	0.926136364	0.100168919
T0001 9H	12/16/10	JM	Group 1	EI Chayal	32732	6452	671	599	5763	35	168	174	112	15	754	0.965517241	0.103938921
T0001 9I	12/16/10	JM	Group 1	EI Chayal	30514	5750	586	576	5655	22	174	186	123	23	656	0.935483871	0.101856764
T0001 9J	12/16/10	JM	Group 1	EI Chayal	30635	6019	710	594	5663	34	167	171	110	17	653	0.976608187	0.1048914
T0002 A	10/6/10	CK	Group 1	EI Chayal	28946	5515	560	544	5377	32	153	161	103	14	712	0.950310559	0.101171657
T0002 B	10/6/10	CK	Group 1	EI Chayal	29048	5282	585	531	5396	31	141	152	101	15	637	0.927631579	0.098406227
T0003 A	10/6/10	CK	Group 1	EI Chayal	29979	5335	619	536	5418	35	155	161	99	12	636	0.962732919	0.098929494
T0003 B	10/6/10	CK	Group 1	EI Chayal	30350	5505	592	547	5323	37	150	163	97	12	648	0.920245399	0.102761601
T0004	10/8/10	JM	Group 1	EI Chayal	30961	7647	689	558	5593	29	144	150	94	6	659	0.96	0.099767567
T0005 A	10/6/10	CK	Group 1	EI Chayal	29950	5361	634	549	5457	24	150	170	112	15	617	0.882352941	0.100604728
T0005 B	10/6/10	CK	Group 1	EI Chayal	28916	5082	611	532	5325	31	140	148	97	8	601	0.945945946	0.099906103

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T0006	10/6/10	CK	Group 1	El Chayal	28735	5896	617	529	5271	29	133	143	90	11	661	0.93006993	0.100360463
T0007 A	10/6/10	CK	Group 1	El Chayal	30636	5503	555	519	4958	31	170	169	95	18	629	1.00591716	0.104679306
T0007 B	10/6/10	CK	Group 1	El Chayal	29647	5355	654	542	5573	39	173	187	115	17	653	0.92513369	0.09725462
T0008 A	10/6/10	CK	Group 4	Pachuca	34250	3588	1033	991	15406	204	200	3	928	79		66.66666667	0.064325587
T0008 B	10/6/10	CK	Group 4	Pachuca	30118	2324	1004	950	14881	206	193	3	925	76	171	64.33333333	0.063839796
T0009 A	10/6/10	CK	Group 1	El Chayal	31581	6360	647	570	5664	42	149	162	102	12	741	0.919753086	0.100635593
T0009 B	10/6/10	CK	Group 1	El Chayal	29968	24424	764	541	5327	37	135	145	94	6	554	0.931034483	0.1015581
T0010	10/8/10	JM	Group 6	Otumba	34082	6742	886	370	8455	44	128	135	126	12	557	0.948148148	0.043761088
T0011	10/6/10	CK	Group 1	El Chayal	28871	6225	618	550	5423	34	144	146	99	7	651	0.98630137	0.101419878
T0012 A	10/6/10	CK	Group 8	Zaragoza	36684	2840	705	237	8623	32	138	32	183	18	381	4.3125	0.027484634
T0012 B	10/6/10	CK	Group 8	Zaragoza	37500	2902	707	229	8743	32	147	30	189	13	409	4.9	0.026192382
T0012 C	10/6/10	CK	Group 8	Zaragoza	36279	2781	777	222	8528	30	142	31	188	19	368	4.580645161	0.026031895
T0013	10/6/10	CK	Group 6	Otumba	32868	8368	878	367	8479	49	139	143	151	15	557	0.972027972	0.043283406
T0014	10/8/10	JM	Group 1	El Chayal	31303	9384	701	571	5714	84	179	191	125	22	809	0.937172775	0.099929996
T0015	10/6/10	CK	Group 3	Ixtepeque	31950	6545	1104	400	8064	16	95	155	157	8	618	0.612903226	0.049603175
T0016	10/6/10	CK	Group 8	Zaragoza	36209	5706	761	224	8563	37	142	34	184	16	445	4.176470588	0.026159056
T0017	10/6/10	CK	Group 4	Pachuca	34087	4764	1137	1012	15508	223	216	3	970	78	167	72	0.065256642
T0018	10/6/10	CK	Group 1	El Chayal	29965	5606	673	535	5443	30	148	158	102	13	647	0.936708861	0.098291383
T0019 A	10/6/10	CK	Group 8	Zaragoza	36592	3080	691	232	8539	36	129	32	172	14	422	4.03125	0.027169458
T0019 B	10/6/10	CK	Group 8	Zaragoza	36967	2978	694	212	8513	34	131	29	171	16	419	4.517241379	0.024903089
T0020	10/8/10	JM	Group 1	El Chayal	30821	6925	714	547	5600	34	148	163	105	12	571	0.90797546	0.097678571
T0021	10/6/10	CK	Group 1	El Chayal	30424	7740	631	530	5359	33	141	146	96	7	622	0.965753425	0.098899048
T0022	10/6/10	CK	Group 6	Otumba	32374	9284	825	348	8094	38	114	124	123	7	619	0.919354839	0.042994811
T0023	10/6/10	CK	Group 11	Ucareo	34942	7311	374	157	6831	32	133	16	108	9	242	8.3125	0.022983458
T0024	10/6/10	CK	Group 11	Ucareo	35512	2699	321	163	6761	33	142	13	99	7	172	10.92307692	0.02410886
T0025	10/6/10	CK	Group 1	El Chayal	37425	13123	697	556	5590	37	137	148	89	8	610	0.925675676	0.099463327
T0026 A	10/6/10	CK	Group 1	El Chayal	31645	5912	636	575	5801	38	186	201	131	23	650	0.925373134	0.099120841
T0026 B	10/6/10	CK	Group 1	El Chayal	32570	6062	672	596	5994	43	196	199	136	24	698	0.984924623	0.099432766
T0026 C	10/6/10	CK	Group 1	El Chayal	31753	6425	584	550	5735	38	182	191	128	21	691	0.952879581	0.095902354
T0026 D	10/6/10	CK	Group 1	El Chayal	30376	6067	679	563	5525	28	181	180	122	21	645	1.005555556	0.101900452
T0026 E	10/6/10	CK	Group 1	El Chayal	30435	7020	677	556	5539	40	190	201	135	26	719	0.945273632	0.10037913
T0026 F	10/6/10	CK	Group 1	El Chayal	31774	5771	757	558	5730	33	163	178	112	16	604	0.915730337	0.097382199
T0026 G	10/6/10	CK	Group 1	El Chayal	32124	5759	720	572	5703	36	169	179	122	15	680	0.944134078	0.100298089
T0026 H	10/6/10	CK	Group 1	El Chayal	31376	5532	725	527	5643	35	157	165	106	16	623	0.951515152	0.093390041
T0026 I	10/6/10	CK	Group 1	El Chayal	32917	5811	641	573	5878	27	159	168	110	14	662	0.946428571	0.097482137
T0026 J	10/6/10	CK	Group 1	El Chayal	32739	6312	683	594	5812	35	163	171	117	19	733	0.953216374	0.10220234
T0026 K	10/6/10	CK	Group 1	El Chayal	30419	5687	621	569	5526	38	181	189	127	18	697	0.957671958	0.102967789
T0026 L	10/6/10	CK	Group 1	El Chayal	30750	5722	629	576	5723	35	157	164	108	13	773	0.957317073	0.100646514
T0026 M	10/6/10	CK	Group 1	El Chayal	32261	5503	662	551	5661	39	171	178	114	17	679	0.960674157	0.097332627
T0026 N	10/6/10	CK	Group 1	El Chayal	32198	5662	588	561	5820	44	169	185	121	18	809	0.913513514	0.096391753
T0026 O	10/6/10	CK	Group 1	El Chayal	31237	6559	611	545	5582	36	169	181	119	19	711	0.933701657	0.097635256
T0026 P	10/6/10	CK	Group 1	El Chayal	32530	6139	707	563	6062	40	184	194	129	24	733	0.948453608	0.092873639
T0026 Q	10/6/10	CK	Group 1	El Chayal	29057	5123	710	549	5259	27	141	153	101	13	555	0.921568627	0.10439247
T0026 R	10/6/10	CK	Group 1	El Chayal	32872	5302	669	554	5629	49	176	186	116	15	645	0.946236559	0.098418902
T0026 S	10/6/10	CK	Group 1	El Chayal	31390	8309	568	523	5704	35	159	165	103	12	815	0.963636364	0.091690042
T0026 T	10/6/10	CK	Group 1	El Chayal	33182	6200	617	553	5770	32	159	172	109	15	731	0.924418605	0.095840555
T0026 U	10/6/10	CK	Group 1	El Chayal	31050	6052	725	570	5663	31	157	166	105	15	610	0.945783133	0.100653364

**Supplemental Table 1. Elemental Concentrations in Obsidian Artifacts from Tikal, Guatemala, as Determined by pXRF. Concentrations are in ppm.**

T0026 V	10/6/10	CK	Group 1	El Chayal	32399	6266	717	575	5836	35	161	171	111	12	691	0.941520468	0.098526388
T0026 W	10/6/10	CK	Group 1	El Chayal	31099	5570	581	559	5576	28	168	175	122	22	706	0.96	0.100251076
T0027	10/6/10	CK	Group 1	El Chayal	30736	8432	628	563	5652	31	142	150	103	9	687	0.946666667	0.099610757
T0028	10/6/10	CK	Group 1	El Chayal	30877	8331	658	550	5550	33	145	151	98	5	679	0.960264901	0.099099099
T0029	10/6/10	CK	Group 12	Zacualtipan	47054	9184	1035	146	9513	28	283	36	203	17	356	7.861111111	0.015347419
T0030	10/6/10	CK	Group 6	Otumba	32991	6701	834	345	8295	36	126	136	131	8	605	0.926470588	0.04159132
T0031	10/6/10	CK	Group 1	El Chayal	28834	5961	679	538	5373	31	144	151	100	14	639	0.953642384	0.100130281
T0032	10/8/10	JM	Group 11	Ucareo	37343	3672	300	162	6998	35	161	14	116	13	235	11.5	0.023149471
T0033	10/6/10	CK	Group 2	San Martin	31708	7983	736	467	6196	31	131	240	121	19	766	0.545833333	0.075371207
T0034	10/8/10	JM	Group 7	Cerro Varal	35840	11840	734	338	6792	49	144	95	134	21	509	1.515789474	0.049764429
T0035	10/6/10	CK	Group 6	Otumba	32048	6819	772	332	8112	31	118	128	125	12	538	0.921875	0.040927022
T0036 1A	1/31/11	JM	Group 1	El Chayal	28448	5084	712	537	5330	27	146	154	102	14	635	0.948051948	0.100750469
T0036 1B	1/31/11	JM	Group 1	El Chayal	31020	6061	642	559	5503	37	138	155	100	7	730	0.890322581	0.101580956
T0036 1C	1/31/11	JM	Group 1	El Chayal	29516	6905	640	560	5460	34	158	157	106	13	641	1.006369427	0.102564103
T0036 1D	1/31/11	JM	Group 1	El Chayal	30108	5199	612	531	5416	29	155	152	97	14	690	1.019736842	0.098042836
T0036 1E	1/31/11	JM	Group 1	El Chayal	30865	6102	677	593	5694	33	149	161	103	11	695	0.925465839	0.104144714
T0036 1F	1/31/11	JM	Group 1	El Chayal	29214	5584	593	559	5359	33	146	156	101	12	710	0.935897436	0.104310506
T0036 1G	1/31/11	JM	Group 1	El Chayal	29248	5367	707	525	5407	30	156	163	111	12	587	0.957055215	0.097096357
T0036 1H	1/31/11	JM	Group 1	El Chayal	30421	5872	711	560	5706	31	146	159	97	13	643	0.918238994	0.098142306
T0036 1I	1/31/11	JM	Group 1	El Chayal	29657	6117	655	565	5583	32	166	164	107	17	668	1.012195122	0.101200072
T0036 1J	1/31/11	JM	Group 1	El Chayal	28624	5650	725	574	5469	40	167	181	119	25	554	0.922651934	0.104955202
T0036 2A	1/31/11	JM	Group 1	El Chayal	28624	5756	664	536	5396	36	149	155	104	12	578	0.961290323	0.099332839
T0036 2B	1/31/11	JM	Group 1	El Chayal	29629	10712	767	540	5935	36	145	169	98	9	635	0.857988166	0.090985678
T0036 2C	1/31/11	JM	Group 1	El Chayal	28438	5508	703	564	5497	28	145	161	105	13	598	0.900621118	0.102601419
T0036 2D	1/31/11	JM	Group 1	El Chayal	29361	5374	602	551	5520	22	163	174	118	18	659	0.936781609	0.099818841
T0036 2E	1/31/11	JM	Group 1	El Chayal	29016	5426	638	531	5480	38	160	167	116	15	662	0.958083832	0.09689781
T0036 2F	1/31/11	JM	Group 1	El Chayal	29910	6394	541	581	5572	34	164	169	117	18	693	0.970414201	0.104271357
T0036 2G	1/31/11	JM	Group 1	El Chayal	30805	5357	740	563	5618	35	170	178	113	21	609	0.95505618	0.100213599
T0036 2H	1/31/11	JM	Group 1	El Chayal	30865	6102	663	556	5609	37	170	188	123	23	664	0.904255319	0.099126404
T0036 2I	1/31/11	JM	Group 1	El Chayal	30934	5656	727	585	5582	46	170	191	127	23	588	0.890052356	0.104801147
T0036 2J	1/31/11	JM	Group 1	El Chayal	30591	6666	726	580	5689	41	177	183	121	22	583	0.967213115	0.101951134
T0036 3A	1/31/11	JM	Group 1	El Chayal	27692	5446	652	522	5388	25	136	146	94	11	523	0.931506849	0.09688196
T0036 3B	1/31/11	JM	Group 1	El Chayal	29721	6181	661	567	5571	33	142	150	90	10	556	0.946666667	0.10177706
T0036 3C	1/31/11	JM	Group 1	El Chayal	29543	5230	615	545	5527	28	140	148	99	6	619	0.945945946	0.098606839
T0036 3D	1/31/11	JM	Group 1	El Chayal	32965	6147	658	584	5735	40	166	176	110	12	746	0.943181818	0.101830863
T0036 3E	1/31/11	JM	Group 1	El Chayal	29403	5678	642	552	5465	29	146	152	95	9	640	0.960526316	0.101006404
T0036 3F	1/31/11	JM	Group 1	El Chayal	28158	5949	581	535	5305	23	146	148	94	8	649	0.986486486	0.100848256
T0036 3G	1/31/11	JM	Group 1	El Chayal	31198	5911	713	561	5657	44	168	170	111	18	619	0.988235294	0.099169171
T0036 3H	1/31/11	JM	Group 1	El Chayal	32148	7269	707	575	5907	37	138	151	94	10	655	0.913907285	0.097342136
T0036 3I	1/31/11	JM	Group 1	El Chayal	33563	6320	566	576	5853	36	164	179	116	18	810	0.916201117	0.098411071
T0036 3J	1/31/11	JM	Group 1	El Chayal	30875	9552	661	567	5776	26	137	151	92	8	728	0.907284768	0.09816482
T0036 4A	1/31/11	JM	Group 1	El Chayal	30001	5621	583	524	5462	28	142	146	96	11	686	0.97260274	0.095935555
T0036 4B	1/31/11	JM	Group 1	El Chayal	29544	5706	646	543	5489	36	174	183	114	23	621	0.950819672	0.098925123
T0036 4C	1/31/11	JM	Group 1	El Chayal	29929	5558	610	560	5585	34	148	159	104	17	647	0.93081761	0.100268577
T0036 4D	1/31/11	JM	Group 1	El Chayal	30379	5340	701	542	5544	33	139	148	98	9	572	0.939189189	0.097763348
T0036 4E	1/31/11	JM	Group 1	El Chayal	32029	6160	650	599	5643	30	160	162	108	17	716	0.987654321	0.106149211
T0036 4F	1/31/11	JM	Group 1	El Chayal	28459	5353	658	556	5478	31	142	155	98	12	636	0.916129032	0.101496897

**Supplemental Table 1. Elemental Concentrations in Obsidian Artifacts from Tikal, Guatemala, as Determined by pXRF. Concentrations are in ppm.**

T0036 4G	1/31/11	JM	Group 1	EI Chayal	29966	5457	626	559	5449	33	153	161	104	15	587	0.950310559	0.102587631
T0036 4H	1/31/11	JM	Group 1	EI Chayal	30664	5391	651	561	5632	30	151	166	101	16	712	0.909638554	0.099609375
T0036 4I	1/31/11	JM	Group 1	EI Chayal	31368	6034	677	570	5739	31	145	160	97	11	629	0.90625	0.099320439
T0036 4J	1/31/11	JM	Group 1	EI Chayal	30501	5700	666	583	5648	36	159	166	112	15	639	0.957831325	0.10322238
T0036 5A	1/31/11	JM	Group 1	EI Chayal	30478	5572	775	552	5619	32	144	149	95	10	545	0.966442953	0.098238121
T0036 5B	1/31/11	JM	Group 1	EI Chayal	31932	6807	808	584	5720	42	178	180	123	23	587	0.988888889	0.102097902
T0036 5C	1/31/11	JM	Group 1	EI Chayal	29616	5560	617	540	5271	38	149	156	105	13	623	0.955128205	0.102447353
T0036 5D	1/31/11	JM	Group 1	EI Chayal	29197	5355	582	553	5335	27	137	151	94	11	592	0.907284768	0.103655108
T0036 5E	1/31/11	JM	Group 1	EI Chayal	30417	5740	722	594	5785	40	194	199	133	29	596	0.974874372	0.102679343
T0036 5F	1/31/11	JM	Group 1	EI Chayal	31617	5832	652	570	5660	38	155	164	108	14	671	0.945121951	0.100706714
T0036 5G	1/31/11	JM	Group 1	EI Chayal	32076	6334	689	573	5843	40	190	204	139	31	651	0.931372549	0.098066062
T0036 5H	1/31/11	JM	Group 1	EI Chayal	30931	6081	677	556	5507	31	160	163	104	12	656	0.981595092	0.100962411
T0036 5I	1/31/11	JM	Group 1	EI Chayal	29141	6405	755	560	5740	33	158	166	105	17	570	0.951807229	0.097560976
T0036 5J	1/31/11	JM	Group 1	EI Chayal	30764	5735	604	560	5570	38	153	170	110	16	783	0.9	0.1005386
T0036 6A	1/31/11	JM	Group 1	EI Chayal	31031	5522	680	576	5801	36	166	171	107	17	618	0.970760234	0.099293225
T0036 6B	1/31/11	JM	Group 1	EI Chayal	28788	5913	698	540	5397	33	151	155	111	15	554	0.974193548	0.100055586
T0036 6C	1/31/11	JM	Group 1	EI Chayal	33192	6720	663	613	6278	31	188	190	135	27	738	0.989473684	0.097642561
T0036 6D	1/31/11	JM	Group 1	EI Chayal	31257	5568	758	580	5643	36	152	162	98	12	572	0.938271605	0.102782208
T0036 6E	1/31/11	JM	Group 1	EI Chayal	30033	5574	604	551	5571	38	170	181	123	23	708	0.939226519	0.098905044
T0036 6F	1/31/11	JM	Group 1	EI Chayal	29967	5209	702	579	5685	31	157	161	112	18	586	0.97515528	0.101846966
T0036 6G	1/31/11	JM	Group 1	EI Chayal	31405	5734	635	577	5480	29	154	167	103	14	689	0.922155689	0.105291971
T0036 6H	1/31/11	JM	Group 1	EI Chayal	33355	5390	727	584	5930	36	177	185	125	24	561	0.956756757	0.098482293
T0036 6I	1/31/11	JM	Group 1	EI Chayal	30031	5713	753	579	5773	29	154	165	107	15	591	0.933333333	0.100294474
T0036 6J	1/31/11	JM	Group 1	EI Chayal	31843	5325	652	589	5760	30	159	166	104	15	645	0.957831325	0.102256944
T0037 1A	2/16/11	CK	Group 1	EI Chayal	29761	5792	720	523	5416	38	160	171	121	18	578	0.935672515	0.096565731
T0037 1B	2/16/11	CK	Group 1	EI Chayal	29755	7397	640	554	5405	40	169	172	113	20	684	0.98255814	0.102497687
T0037 1C	2/16/11	CK	Group 1	EI Chayal	30585	7287	605	539	5481	31	147	162	100	13	674	0.907407407	0.098339719
T0037 1D	2/16/11	CK	Group 1	EI Chayal	28094	7535	687	537	5329	24	151	156	105	13	571	0.967948718	0.100769375
T0037 1E	2/16/11	CK	Group 1	EI Chayal	31064	8633	693	591	5898	47	190	197	127	27	640	0.964467005	0.100203459
T0037 1F	2/16/11	CK	Group 1	EI Chayal	29180	10720	642	554	5359	31	168	172	119	19	573	0.976744186	0.103377496
T0037 1G	2/16/11	CK	Group 1	EI Chayal	28725	7757	653	548	5366	33	139	146	98	17	639	0.952054795	0.102124488
T0037 1H	2/16/11	CK	Group 1	EI Chayal	33806	6896	710	589	5964	43	177	188	127	20	702	0.941489362	0.098759222
T0037 1I	2/16/11	CK	Group 1	EI Chayal	29986	23259	467	547	5464	31	158	169	115	18	740	0.934911243	0.10010981
T0037 1J	2/16/11	CK	Group 1	EI Chayal	30396	9410	693	542	5646	29	183	175	125	23	643	1.045714286	0.095997166
T0037 1K	2/16/11	CK	Group 1	EI Chayal	30563	8912	534	579	5720	45	173	182	122	22	690	0.950549451	0.101223776
T0037 1L	2/16/11	CK	Group 1	EI Chayal	30661	8125	613	595	5728	31	164	184	121	22	720	0.891304348	0.103875698
T0037 1M	2/16/11	CK	Group 1	EI Chayal	28554	13773	588	535	5555	40	195	204	137	29	631	0.955882353	0.096309631
T0037 1N	2/16/11	CK	Group 1	EI Chayal	28116	15172	688	541	5614	45	184	189	120	25	565	0.973544974	0.096366227
T0037 1O	2/16/11	CK	Group 1	EI Chayal	31369	10962	567	574	5811	35	173	183	125	22	729	0.945355191	0.098778179
T0037 2A	2/21/11	JM	Group 1	EI Chayal	31487	6386	712	600	5862	30	168	179	108	24	626	0.938547486	0.102354145
T0037 2B	2/21/11	JM	Group 1	EI Chayal	29209	5317	554	580	5440	28	147	153	103	14	681	0.960784314	0.106617647
T0037 2C	2/21/11	JM	Group 1	EI Chayal	31768	6527	598	583	5883	27	154	167	116	19	728	0.922155689	0.099099099
T0037 2D	2/21/11	JM	Group 1	EI Chayal	32872	8359	648	587	5783	40	169	183	126	21	724	0.923497268	0.101504409
T0037 2E	2/21/11	JM	Group 1	EI Chayal	29127	6463	796	546	5384	26	156	177	114	23	501	0.881355932	0.10141159
T0037 2F	2/21/11	JM	Group 1	EI Chayal	30508	6253	707	566	5747	28	155	164	102	13	591	0.945121951	0.098486167
T0037 2G	2/21/11	JM	Group 1	EI Chayal	30448	6085	610	558	5585	44	151	156	105	9	732	0.967948718	0.099910474
T0037 2H	2/21/11	JM	Group 1	EI Chayal	28914	6719	678	542	5483	31	149	157	101	13	579	0.949044586	0.098850994



Supplemental Table 1. Elemental Concentrations in Obsidian Artifacts from Tikal, Guatemala, as Determined by pXRF. Concentrations are in ppm.

T0037 ZI	2/21/11	JM	Group 1	EI Chayal	31756	5508	684	576	5691	39	151	162	106	16	599	0.932098765	0.101212441
T0037 ZJ	2/21/11	JM	Group 1	EI Chayal	34156	7343	760	662	6193	40	179	195	114	24	731	0.917948718	0.106894881
T0038 A	12/15/10	CK	Group 1	EI Chayal	28587	5345	635	556	5451	33	154	157	103	13	585	0.98089172	0.101999633
T0038 AA	12/15/10	CK	Group 1	EI Chayal	31082	5665	614	554	5630	39	172	172	123	21	658	1	0.098401421
T0038 B	12/15/10	CK	Group 1	EI Chayal	30984	6577	646	543	5626	42	165	170	116	16	679	0.970588235	0.096516175
T0038 BB	12/15/10	CK	Group 1	EI Chayal	31207	6599	619	573	5781	29	160	178	121	24	748	0.898876404	0.0991178
T0038 C	12/15/10	CK	Group 1	EI Chayal	29336	7197	609	526	5488	30	150	157	103	13	664	0.955414013	0.095845481
T0038 CC	12/15/10	CK	Group 1	EI Chayal	30872	6395	641	614	5866	26	175	180	115	23	674	0.972222222	0.104670985
T0038 D	12/15/10	CK	Group 1	EI Chayal	31320	6084	725	590	5808	35	165	179	123	20	643	0.921787709	0.101584022
T0038 DD	12/15/10	CK	Group 1	EI Chayal	31273	6921	742	583	5765	41	185	192	133	27	625	0.963541667	0.101127493
T0038 E	12/15/10	CK	Group 1	EI Chayal	28448	6996	691	526	5420	28	173	180	115	21	597	0.961111111	0.09704797
T0038 EE	12/15/10	CK	Group 1	EI Chayal	30558	6244	617	562	5644	27	179	200	122	26	662	0.895	0.09957477
T0038 F	12/15/10	CK	Group 1	EI Chayal	30116	5807	608	549	5532	34	157	171	108	16	706	0.918128655	0.099240781
T0038 FF	12/15/10	CK	Group 1	EI Chayal	31878	7374	674	574	5777	38	175	194	126	27	692	0.902061856	0.099359529
T0038 G	12/15/10	CK	Group 1	EI Chayal	29354	6687	780	571	5636	32	138	150	94	10	552	0.92	0.101312988
T0038 GG	12/15/10	CK	Group 1	EI Chayal	31367	7042	720	580	5513	33	176	190	127	27	669	0.926315789	0.105205877
T0038 H	12/15/10	CK	Group 1	EI Chayal	31076	6444	467	516	4863	23	155	151	83	10	654	1.026490066	0.106107341
T0038 HH	12/15/10	CK	Group 1	EI Chayal	30899	5519	765	557	5614	41	184	196	122	24	556	0.93877551	0.099216245
T0038 I	12/15/10	CK	Group 1	EI Chayal	32903	8601	732	586	5833	49	163	179	122	16	699	0.910614525	0.100462884
T0038 II	12/15/10	CK	Group 1	EI Chayal	31065	6771	731	603	5741	34	170	182	123	21	550	0.934065934	0.105033966
T0038 J	12/15/10	CK	Group 1	EI Chayal	30584	6606	583	565	5592	34	156	168	113	14	759	0.928571429	0.101037196
T0038 JJ	12/15/10	CK	Group 1	EI Chayal	30294	9707	604	539	5455	42	160	177	113	17	671	0.903954802	0.098808433
T0038 K	12/15/10	CK	Group 1	EI Chayal	28960	6115	707	544	5534	37	203	215	137	31	584	0.944186047	0.098301409
T0038 KK	12/15/10	CK	Group 1	EI Chayal	30286	5741	762	571	5441	41	172	172	119	16	630	1	0.104943944
T0038 L	12/15/10	CK	Group 1	EI Chayal	30426	6118	664	571	5570	35	158	176	115	14	675	0.897727273	0.102513465
T0038 LL	12/15/10	CK	Group 1	EI Chayal	31266	28577	592	594	5904	41	174	179	117	22	680	0.972067039	0.100609756
T0038 M	12/15/10	CK	Group 1	EI Chayal	30315	7069	552	572	5523	50	158	165	103	11	680	0.957575758	0.103566902
T0038 MM	12/15/10	CK	Group 1	EI Chayal	30099	9872	644	551	5600	41	197	202	144	29	634	0.975247525	0.098392857
T0038 N	12/15/10	CK	Group 1	EI Chayal	30302	6102	581	589	5684	35	149	163	103	12	725	0.914110429	0.103624208
T0038 NN	12/15/10	CK	Group 1	EI Chayal	32091	6942	621	606	5889	31	199	207	134	31	753	0.961352657	0.102903719
T0038 O	12/15/10	CK	Group 1	EI Chayal	30410	6961	732	578	5537	48	190	202	130	25	626	0.940594059	0.104388658
T0038 OO	12/15/10	CK	Group 1	EI Chayal	31367	6221	714	609	5894	35	197	203	140	26	576	0.97044335	0.103325416
T0038 P	12/15/10	CK	Group 1	EI Chayal	29253	6283	660	551	5590	38	169	178	115	17	674	0.949438202	0.098568873
T0038 PP	12/15/10	CK	Group 1	EI Chayal	29523	11866	758	561	5491	30	158	183	106	21	570	0.863387978	0.102167183
T0038 Q	12/15/10	CK	Group 1	EI Chayal	29826	7118	691	548	5573	43	166	197	119	18	599	0.842639594	0.09833124
T0038 QQ	12/15/10	CK	Group 1	EI Chayal	33146	8392	687	643	6020	57	206	211	152	28	830	0.976303318	0.106810631
T0038 R	12/15/10	CK	Group 1	EI Chayal	31042	6109	685	569	5607	41	190	204	134	28	693	0.931372549	0.101480292
T0038 RR	12/15/10	CK	Group 1	EI Chayal	35184	7434	660	619	5968	36	190	194	127	22	727	0.979381443	0.103719839
T0038 S	12/15/10	CK	Group 1	EI Chayal	32750	16027	760	579	5826	30	185	201	139	29	691	0.92039801	0.09938208
T0038 SS	12/15/10	CK	Group 1	EI Chayal	36132	10755	803	615	6293	34	201	212	142	31	757	0.948113208	0.097727634
T0038 T	12/15/10	CK	Group 1	EI Chayal	29808	15732	744	544	5639	39	183	180	128	24	589	1.016666667	0.096471005
T0038 TT	12/15/10	CK	Group 1	EI Chayal	30827	7149	713	547	5481	37	168	175	117	15	603	0.96	0.099799307
T0038 U	12/15/10	CK	Group 1	EI Chayal	30737	8035	741	604	5801	38	186	191	138	22	632	0.97382199	0.104119979
T0038 UU	12/15/10	CK	Group 1	EI Chayal	31481	6211	735	585	5739	37	165	173	114	19	653	0.953757225	0.101934135
T0038 V	12/15/10	CK	Group 1	EI Chayal	30711	16492	483	562	5633	57	208	215	144	23	731	0.96744186	0.099769217
T0038 VV	12/15/10	CK	Group 1	EI Chayal	33774	8381	667	625	6099	41	178	203	138	21	815	0.876847291	0.102475816
T0038 W	12/15/10	CK	Group 1	EI Chayal	32753	6345	892	610	6059	21	186	201	133	29	623	0.925373134	0.100676679

**Supplemental Table 1. Elemental Concentrations in Obsidian Artifacts from Tikal, Guatemala, as Determined by pXRF. Concentrations are in ppm.**

T0038 WW	12/15/10	CK	Group 1	EI Chayal	34903	8710	1004	633	6276	56	208	206	140	37	609	1.009708738	0.100860421
T0038 X	12/15/10	CK	Group 1	EI Chayal	31115	6516	568	534	4938	21	191	178	103	27	499	1.073033708	0.108140948
T0038 XX	12/15/10	CK	Group 1	EI Chayal	34354	8525	721	636	6226	46	196	208	134	29	799	0.942307692	0.102152265
T0038 Y	12/15/10	CK	Group 1	EI Chayal	29897	5086	614	552	5427	31	163	164	120	18	671	0.993902439	0.101713654
T0038 YY	12/15/10	CK	Group 1	EI Chayal	34774	7686	677	676	6384	33	203	225	151	32	691	0.902222222	0.105889724
T0038 Z	12/15/10	CK	Group 1	EI Chayal	29360	5516	606	551	5406	39	169	172	123	23	660	0.98255814	0.101923788
T0039 A	11/18/10	JM	Group 1	EI Chayal	29616	6493	600	555	5428	34	150	162	101	15	661	0.925925926	0.102247605
T0039 B	11/18/10	JM	Group 1	EI Chayal	30158	5513	711	563	5578	40	173	182	115	19	614	0.950549451	0.100932234
T0039 C	11/18/10	JM	Group 1	EI Chayal	29078	15359	731	563	5595	34	148	159	102	13	677	0.93081761	0.100625559
T0039 D	11/18/10	JM	Group 1	EI Chayal	31621	6188	602	570	5766	43	178	186	125	23	732	0.956989247	0.098855359
T0039 E	11/18/10	JM	Group 1	EI Chayal	34446	7264	663	643	6212	58	218	216	145	31	827	1.009259259	0.103509337
T0039 F	11/18/10	JM	Group 1	EI Chayal	31825	7581	748	592	5899	35	190	194	133	24	619	0.979381443	0.100355993
T0039 G	11/18/10	JM	Group 1	EI Chayal	41470	8659	917	747	7145	62	228	243	150	39	823	0.938271605	0.104548635
T0039 H	11/18/10	JM	Group 1	EI Chayal	34164	6193	759	621	6143	47	227	230	150	31	702	0.986956522	0.101090672
T0039 I	11/18/10	JM	Group 1	EI Chayal	37943	6763	728	718	6785	45	231	243	151	38	862	0.950617284	0.105821665
T0039 J	11/18/10	JM	Group 1	EI Chayal	37527	6986	803	677	6449	45	209	225	143	28	707	0.928888889	0.104977516
T0039 K	11/18/10	JM	Group 1	EI Chayal	36227	7443	790	646	6567	49	222	218	145	33	659	1.018348624	0.098370641
T0040 A	11/11/10	JM	Group 1	EI Chayal	31332	5773	578	580	5604	37	158	165	108	12	689	0.957575758	0.103497502
T0040 B	11/11/10	JM	Group 1	EI Chayal	32462	6139	706	581	5646	35	157	164	109	14	658	0.957317073	0.102904711
T0040 C	11/11/10	JM	Group 1	EI Chayal	38005	8096	803	669	6567	57	234	241	156	35	812	0.970954357	0.101873001
T0040 D	11/11/10	JM	Group 1	EI Chayal	44057	10039	1188	699	7356		166	170	108	12	664	0.976470588	0.09502447
T0040 E	11/11/10	JM	Group 1	EI Chayal	30310	5909	758	563	5664	18	145	143	95		544	1.013986014	0.099399718
T0040 F(*)	11/11/10	JM	Group 1	EI Chayal	33549	6901	762	621	6055		150	155	90	9	708	0.967741935	0.102559868
T0040 G(*)	11/11/10	JM	Group 1	EI Chayal	35144	9709	713	636	6434	47	207	225	149	34	838	0.92	0.09884986
T0041 A	12/3/10	JM	Group 1	EI Chayal	29973	6835	595	557	5490	27	138	151	101	9	681	0.913907285	0.101457195
T0041 B	12/3/10	JM	Group 1	EI Chayal	32420	6396	731	628	5758	34	149	163	104	8	747	0.914110429	0.109065648
T0041 C	12/3/10	JM	Group 1	EI Chayal	30441	6758	724	561	5464	34	149	153	93	9	580	0.973856209	0.102672035
T0041 D	12/3/10	JM	Group 1	EI Chayal	29991	5492	579	550	5529	29	140	144	91	10	635	0.972222222	0.099475493
T0041 E	12/3/10	JM	Group 1	EI Chayal	27620	6885	703	535	5406	26	139	148	95	12	569	0.939189189	0.098964114
T0042 A	11/11/10	JM	Group 1	EI Chayal	28941	5513	640	534	5483	30	133	145	89	6	627	0.917241379	0.097391939
T0042 B	11/11/10	JM	Group 1	EI Chayal	30975	5861	716	571	5452	29	153	160	103	11	604	0.95625	0.104732208
T0042 C	11/11/10	JM	Group 1	EI Chayal	30308	6059	635	561	5522	32	148	155	99	9	604	0.95483871	0.101593625
T0042 D	11/11/10	JM	Group 1	EI Chayal	30592	6635	779	557	5580	29	168	181	114	22	563	0.928176796	0.099820789
T0042 E	11/11/10	JM	Group 1	EI Chayal	31072	7204	662	591	5714	48	190	199	133	31	721	0.954773869	0.103430172
T0042 F	11/11/10	JM	Group 1	EI Chayal	31383	7097	715	601	5792	41	152	166	104	13	689	0.915662651	0.103763812
T0042 G	11/11/10	JM	Group 1	EI Chayal	30062	7829	604	572	5535	38	155	161	101	12	657	0.962732919	0.103342367
T0043A	11/4/10	JM	Group 1	EI Chayal	30064	5282	683	517	5386	35	139	143	92	9	605	0.972027972	0.095989603
T0043B	11/4/10	JM	Group 1	EI Chayal	30159	5838	677	579	5499	36	150	155	100	11	600	0.967741935	0.105291871
T0043C	11/4/10	JM	Group 1	EI Chayal	34899	6120	844	630	6520	360	185	191	122	28	630	0.968586387	0.096625767
T0044A	11/4/10	JM	Group 1	EI Chayal	30380	7193	613	571	5356	35	152	158	105	13	624	0.962025316	0.10660941
T0044B	11/4/10	JM	Group 1	EI Chayal	30071	7164	650	562	5606	29	139	149	96	8	643	0.932885906	0.100249732
T0044C	11/4/10	JM	Group 1	EI Chayal	28179	5970	592	501	5262	29	133	139	95	9	594	0.956834532	0.095210946
T0044D	11/4/10	JM	Group 1	EI Chayal	31059	6479	602	557	5611	32	148	150	100	9	680	0.986666667	0.099269292
T0044E	11/4/10	JM	Group 1	EI Chayal	30980	6575	668	559	5628	35	164	166	112	20	670	0.987951807	0.099324805
T0044F	11/4/10	JM	Group 1	EI Chayal	27968	8032	446	500	5276	29	149	148	98	10	771	1.006756757	0.094768764
T0045 A	12/30/10	JM	Group 1	EI Chayal	27562	6566	545	548	5267	36	146	158	105	10	687	0.924050633	0.104044048
T0045 AA	12/30/10	JM	Group 1	EI Chayal	30734	5504	632	561	5593	37	159	164	111	18	614	0.969512195	0.100303951

**Supplemental Table 1. Elemental Concentrations in Obsidian Artifacts from Tikal, Guatemala, as Determined by pXRF. Concentrations are in ppm.**

T0045 B	12/30/10	JM	Group 1	EI Chayal	27927	5178	604	534	5188	29	131	141	86	9	595	0.929078014	0.102929838
T0045 BB	12/30/10	JM	Group 1	EI Chayal	29546	5965	604	557	5563	39	167	170	119	20	706	0.982352941	0.100125831
T0045 C	12/30/10	JM	Group 1	EI Chayal	34032	6696	710	612	6349	47	193	203	129	24	700	0.950738916	0.096393133
T0045 CC	12/30/10	JM	Group 1	EI Chayal	30727	5724	562	554	5672	40	157	167	109	16	709	0.94011976	0.097672779
T0045 D	12/30/10	JM	Group 1	EI Chayal	30012	5272	685	558	5572	30	162	162	109	17	661	1	0.100143575
T0045 DD	12/30/10	JM	Group 1	EI Chayal	33995	6502	794	622	6149	55	206	211	135	34	665	0.976303318	0.101154659
T0045 E	12/30/10	JM	Group 1	EI Chayal	29234	5051	641	557	5389	38	155	157	102	12	608	0.987261146	0.103358694
T0045 EE	12/30/10	JM	Group 1	EI Chayal	31302	8066	650	545	5794	47	194	209	133	27	772	0.928229665	0.094062824
T0045 F	12/30/10	JM	Group 1	EI Chayal	28940	6954	621	569	5379	36	149	152	101	9	658	0.980263158	0.105781744
T0045 FF	12/30/10	JM	Group 1	EI Chayal	30266	5528	647	549	5509	34	157	167	105	16	630	0.94011976	0.09965511
T0045 G	12/30/10	JM	Group 1	EI Chayal	33064	6729	681	608	5979	38	196	198	132	29	709	0.98989899	0.101689246
T0045 GG	12/30/10	JM	Group 1	EI Chayal	32587	5736	674	603	5920	47	204	210	138	31	715	0.971428571	0.101858108
T0045 H	12/30/10	JM	Group 1	EI Chayal	35868	5452	686	522	5478	43	156	159	105	14	653	0.981132075	0.095290252
T0045 I	12/30/10	JM	Group 1	EI Chayal	29486	6612	585	574	5721	40	178	193	130	25	697	0.922279793	0.10033211
T0045 J	12/30/10	JM	Group 3	Ixtepeque	36044	7687	1202	448	9009	35	117	196	183	14	768	0.596938776	0.04972805
T0045 K	12/30/10	JM	Group 1	EI Chayal	30197	5124	610	549	5475	28	150	160	101	12	675	0.9375	0.100273973
T0045 L	12/30/10	JM	Group 1	EI Chayal	29451	6757	636	558	5608	39	162	177	117	21	660	0.915254237	0.099500713
T0045 M	12/30/10	JM	Group 1	EI Chayal	30008	5884	655	560	5469	40	200	195	131	32	615	1.025641026	0.102395319
T0045 N	12/30/10	JM	Group 1	EI Chayal	29526	5354	669	549	5306	36	171	170	113	19	574	1.005882353	0.103467772
T0045 O	12/30/10	JM	Group 1	EI Chayal	28854	5588	684	548	5564	39	164	163	119	19	605	1.006134969	0.098490295
T0045 P	12/30/10	JM	Group 1	EI Chayal	29788	6275	827	567	5452	41	178	180	113	23	546	0.988888889	0.103998533
T0045 Q	12/30/10	JM	Group 1	EI Chayal	30793	6143	658	561	5601	32	138	156	103	14	624	0.884615385	0.100160686
T0045 R	12/30/10	JM	Group 1	EI Chayal	29777	5188	690	544	5390	32	152	157	109	13	569	0.968152866	0.100927644
T0045 S	12/30/10	JM	Group 1	EI Chayal	31742	8398	708	591	5783	33	183	185	129	25	739	0.989189189	0.102196092
T0045 T	12/30/10	JM	Group 1	EI Chayal	30838	5363	685	542	5589	47	193	196	131	30	672	0.984693878	0.096976203
T0045 U	12/30/10	JM	Group 1	EI Chayal	28608	4949	637	535	5376	27	147	149	96	12	602	0.986577181	0.099516369
T0045 V	12/30/10	JM	Group 1	EI Chayal	30854	7091	708	578	5787	48	194	202	131	30	693	0.96039604	0.099879039
T0045 W	12/30/10	JM	Group 1	EI Chayal	31167	5866	721	556	5769	39	186	194	132	27	689	0.958762887	0.096377188
T0045 X	12/30/10	JM	Group 1	EI Chayal	32210	6685	739	591	5896	48	193	196	134	28	660	0.984693878	0.100237449
T0045 Y	12/30/10	JM	Group 1	EI Chayal	30291	5204	561	533	5404	30	145	150	102	11	690	0.966666667	0.098630644
T0045 Z	12/30/10	JM	Group 1	EI Chayal	29108	5730	645	546	5429	33	150	161	108	14	631	0.931677019	0.100571008
T0046 1A	2/7/11	JM	Group 1	EI Chayal	30646	5311	433	521	4765	32	147	138	77	9	687	1.065217391	0.10933893
T0046 1B	2/7/11	JM	Group 1	EI Chayal	29870	6572	729	551	5740	22	165	168	111	17	639	0.982142857	0.095993031
T0046 1C	2/7/11	JM	Group 1	EI Chayal	29094	6318	722	539	5488	31	149	155	102	14	572	0.961290323	0.098214286
T0046 1D	2/7/11	JM	Group 1	EI Chayal	28667	6329	580	540	5364	26	163	171	117	20	708	0.953216374	0.100671141
T0046 1E	2/7/11	JM	Group 1	EI Chayal	30038	6370	581	557	5595	37	165	175	108	17	674	0.942857143	0.099553172
T0046 1F	2/7/11	JM	Group 1	EI Chayal	31102	6052	679	550	5680	33	157	176	111	18	668	0.892045455	0.096830986
T0046 1G	2/7/11	JM	Group 1	EI Chayal	30988	5994	736	582	5623	42	172	180	118	22	547	0.955555556	0.103503468
T0046 1H	2/7/11	JM	Group 1	EI Chayal	33230	8376	756	595	5965	41	155	167	105	11	723	0.928143713	0.099748533
T0046 1I	2/7/11	JM	Group 1	EI Chayal	34168	7300	733	631	6007	33	183	191	122	23	746	0.958115183	0.105044115
T0046 1J	2/7/11	JM	Group 1	EI Chayal	33276	8701	772	594	5879	43	176	184	115	20	673	0.956521739	0.101037591
T0046 2A	2/7/11	JM	Group 1	EI Chayal	28798	6382	555	536	5349	27	147	149	102	9	690	0.986577181	0.100205646
T0046 2B	2/7/11	JM	Group 1	EI Chayal	29667	7241	733	564	5594	29	147	158	102	7	649	0.930379747	0.10082231
T0046 2C	2/7/11	JM	Group 1	EI Chayal	31975	6414	633	534	5553	39	173	179	117	18	715	0.966480447	0.096164236
T0046 2D	2/7/11	JM	Group 1	EI Chayal	30478	5904	723	567	5627	41	147	157	102	10	608	0.936305732	0.100764173
T0046 2E	2/7/11	JM	Group 1	EI Chayal	31250	6077	652	593	5671	34	169	184	126	27	691	0.918478261	0.104567096
T0046 2F	2/7/11	JM	Group 1	EI Chayal	30918	8238	663	570	5568	37	145	164	98	8	645	0.884146341	0.10237069

**Supplemental Table 1. Elemental Concentrations in Obsidian Artifacts from Tikal, Guatemala, as Determined by pXRF. Concentrations are in ppm.**

T0046 2G	2/7/11	JM	Group 1	EI Chayal	30530	6209	583	540	5494	36	185	189	125	24	700	0.978835979	0.098289043
T0046 2H	2/7/11	JM	Group 1	EI Chayal	30385	6108	647	540	5535	29	162	165	112	17	668	0.981818182	0.097560976
T0046 2I	2/7/11	JM	Group 1	EI Chayal	30035	7334	611	549	5538	31	164	175	108	19	635	0.937142857	0.099133261
T0046 2J	2/7/11	JM	Group 1	EI Chayal	29869	5807	704	549	5586	38	176	183	120	22	643	0.961748634	0.098281418
T0046 3A	2/7/11	JM	Group 1	EI Chayal	30089	6061	649	543	5569	29	137	148	97	8	657	0.925675676	0.09750404
T0046 3B	2/7/11	JM	Group 1	EI Chayal	30523	5885	674	545	5587	31	153	151	100	10	682	1.013245033	0.097547879
T0046 3C	2/7/11	JM	Group 1	EI Chayal	30740	5763	633	570	5571	23	142	153	101	9	684	0.928104575	0.102315563
T0046 3D	2/7/11	JM	Group 1	EI Chayal	29844	6081	702	560	5413	36	157	160	107	17	560	0.98125	0.103454646
T0046 3E	2/7/11	JM	Group 1	EI Chayal	33888	6678	711	614	6031	44	193	204	141	23	766	0.946078431	0.101807329
T0046 3F	2/7/11	JM	Group 1	EI Chayal	31644	10518	706	560	5718	37	162	178	110	15	717	0.91011236	0.097936341
T0046 3G	2/7/11	JM	Group 1	EI Chayal	31099	6826	678	564	5762	32	169	177	118	19	694	0.95480226	0.09788268
T0046 3H	2/7/11	JM	Group 1	EI Chayal	29723	5888	643	541	5501	29	155	171	107	14	655	0.906432749	0.098345755
T0046 3I	2/7/11	JM	Group 1	EI Chayal	31906	6591	714	560	5760	35	171	189	121	16	679	0.904761905	0.097222222
T0046 3J	2/7/11	JM	Group 1	EI Chayal	31768	16514	707	614	6001	57	194	199	139	20	704	0.974874372	0.102316281
T0046 4A	2/7/11	JM	Group 1	EI Chayal	31582	5569	529	503	4757	24	143	140	75	8	617	1.021428571	0.105738911
T0046 4B	2/7/11	JM	Group 1	EI Chayal	29805	5727	665	524	5419	24	151	156	102	11	674	0.967948718	0.096696808
T0046 4C	2/7/11	JM	Group 1	EI Chayal	30488	5619	749	556	5630	37	155	164	107	16	561	0.945121951	0.098756661
T0046 4D	2/7/11	JM	Group 1	EI Chayal	30901	6440	687	587	5840	41	190	192	127	25	652	0.989583333	0.100513699
T0046 4E	2/7/11	JM	Group 1	EI Chayal	31395	7025	643	575	5831	39	180	180	121	19	713	1	0.098610873
T0046 4F	2/7/11	JM	Group 1	EI Chayal	33237	7263	813	599	6143	42	194	210	134	23	676	0.923809524	0.09750936
T0046 4G	2/7/11	JM	Group 1	EI Chayal	32846	6152	594	576	5733	34	166	174	114	17	775	0.954022989	0.100470958
T0046 4H	2/7/11	JM	Group 1	EI Chayal	31915	5905	728	563	5763	37	169	184	119	19	663	0.918478261	0.097692174
T0046 4I	2/7/11	JM	Group 1	EI Chayal	30863	7391	626	571	5652	33	161	172	106	15	733	0.936046512	0.101026185
T0046 4J	2/7/11	JM	Group 1	EI Chayal	33566	14628	829	600	6136	37	187	192	125	20	660	0.973958333	0.097783572
T0046 5A	2/7/11	JM	Group 1	EI Chayal	29790	6302	690	560	5584	24	174	177	121	25	652	0.983050847	0.100286533
T0046 5B	2/7/11	JM	Group 1	EI Chayal	30155	5577	623	557	5590	28	155	163	106	11	687	0.950920245	0.099642218
T0046 5C	2/7/11	JM	Group 1	EI Chayal	30345	6186	647	535	5522	33	156	168	111	18	637	0.928571429	0.096885187
T0046 5D	2/7/11	JM	Group 1	EI Chayal	31451	6668	688	551	5633	39	174	177	122	20	603	0.983050847	0.097816439
T0046 5E	2/7/11	JM	Group 1	EI Chayal	31302	6040	667	583	5885	47	162	181	123	15	709	0.895027624	0.099065421
T0046 5F	2/7/11	JM	Group 1	EI Chayal	31700	5912	761	587	5784	41	185	197	130	22	628	0.939086294	0.10148686
T0046 5G	2/7/11	JM	Group 1	EI Chayal	33713	8842	790	583	6100	40	193	193	119	23	743	1	0.09557377
T0046 5H	2/7/11	JM	Group 1	EI Chayal	31287	10778	672	566	5717	45	166	177	118	19	719	0.937853107	0.099002974
T0046 5I	2/7/11	JM	Group 1	EI Chayal	31230	6011	613	576	5862	45	176	191	128	22	743	0.921465969	0.09825998
T0046 5J	2/7/11	JM	Group 1	EI Chayal	32219	9652	757	591	5936	48	202	219	138	29	632	0.922374429	0.099561995
T0046 6A	2/9/11	CK	Group 1	EI Chayal	33900	8507	1031	652	6369		221	209	135	29	581	1.057416268	0.102370859
T0046 6B	2/9/11	CK	Group 1	EI Chayal	30349	12752	758	572	5601	30	180	185	126	24	531	0.972972973	0.102124621
T0046 6C	2/9/11	CK	Group 1	EI Chayal	30009	5896	604	591	5730	25	158	166	111	16	755	0.951807229	0.103141361
T0046 6D	2/9/11	CK	Group 1	EI Chayal	32442	8677	798	588	5860	37	150	166	103	16	671	0.903614458	0.100341297
T0046 6E	2/9/11	CK	Group 1	EI Chayal	30113	6836	607	541	5698	42	174	186	123	23	709	0.935483871	0.094945595
T0046 6F	2/9/11	CK	Group 1	EI Chayal	30737	36745	713	584	5724	38	173	177	116	18	650	0.97740113	0.102026555
T0046 6G	2/9/11	CK	Group 1	EI Chayal	31986	6356	587	576	5813	40	182	195	132	23	785	0.933333333	0.09908825
T0046 6H	2/9/11	CK	Group 1	EI Chayal	30088	12331	657	534	5493	41	175	185	122	22	623	0.945945946	0.097214637
T0046 6I	2/9/11	CK	Group 1	EI Chayal	32432	12855	478	521	4969	47	210	201	119	29	732	1.044776119	0.10485007
T0046 6J	2/9/11	CK	Group 1	EI Chayal	31649	14633	716	611	6135	33	192	208	146	33	676	0.923076923	0.099592502
T0046 6K	2/9/11	CK	Group 1	EI Chayal	34008	8500	694	627	6248	47	214	235	152	34	693	0.910638298	0.100352113
T0046 7A	2/9/11	CK	Group 1	EI Chayal	28340	10440	492	490	5390	35	165	176	116	21	694	0.9375	0.090909091
T0046 7B	2/9/11	CK	Group 1	EI Chayal	30752	12671	757	582	5776	36	149	170	109	12	674	0.876470588	0.100761773

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T0046 7C	2/9/11	CK	Group 1	EI Chayal	31059	11341	651	548	5530	38	159	167	106	17	626	0.952095808	0.099095841
T0046 7D	2/9/11	CK	Group 1	EI Chayal	29902	10587	680	552	5788	40	173	174	117	15	675	0.994252874	0.09536973
T0046 7E	2/9/11	CK	Group 1	EI Chayal	30923	14536	703	569	5672	40	182	189	121	21	634	0.962962963	0.100317348
T0046 7F	2/9/11	CK	Group 1	EI Chayal	30246	6492	593	550	5754	38	174	185	124	24	741	0.940540541	0.09558568
T0046 7G	2/9/11	CK	Group 1	EI Chayal	32953	7137	513	536	5069	38	191	189	110	25	689	1.010582011	0.105740777
T0046 7H	2/9/11	CK	Group 1	EI Chayal	30215	7443	721	600	5777	44	194	205	136	29	608	0.946341463	0.103860135
T0046 7I	2/9/11	CK	Group 1	EI Chayal	34635	9559	673	650	6292	69	212	219	148	33	769	0.96803653	0.103305785
T0046 7J	2/9/11	CK	Group 1	EI Chayal	30640	14764	698	547	5638	41	164	177	108	16	661	0.926553672	0.09702022
T0046 7K	2/9/11	CK	Group 1	EI Chayal	32188	6706	703	552	5630	36	178	195	117	23	672	0.912820513	0.098046181
T0046 7L	2/9/11	CK	Group 1	EI Chayal	29561	8679	740	564	5606	42	169	186	125	23	679	0.908602151	0.100606493
T0047 1A	2/21/11	JM	Group 1	EI Chayal	29305	5313	755	560	5506	43	182	200	131	28	629	0.91	0.101707228
T0047 1B	2/21/11	JM	Group 1	EI Chayal	30303	5482	732	568	5596	41	192	200	134	29	614	0.96	0.101501072
T0047 1C	2/21/11	JM	Group 1	EI Chayal	31670	6088	599	563	5875	41	180	194	128	22	671	0.927835052	0.095829787
T0047 1D	2/21/11	JM	Group 1	EI Chayal	30520	6203	734	590	5771	25	171	179	114	17	630	0.955307263	0.102235315
T0047 1E	2/21/11	JM	Group 1	EI Chayal	29513	5663	683	531	5522	41	174	177	119	22	585	0.983050847	0.096160811
T0047 1F	2/21/11	JM	Group 1	EI Chayal	30541	5931	627	546	5681	37	156	169	110	14	710	0.923076923	0.09610984
T0047 1G	2/21/11	JM	Group 1	EI Chayal	33129	6091	642	590	5901	30	156	165	104	17	782	0.945454545	0.099983054
T0047 1H	2/21/11	JM	Group 1	EI Chayal	35554	6719	826	641	6402	42	216	218	154	32	782	0.990825688	0.100124961
T0047 1I	2/21/11	JM	Group 1	EI Chayal	34782	6639	681	644	6285	42	197	205	139	26	817	0.96097561	0.102466189
T0047 1J	2/21/11	JM	Group 1	EI Chayal	36847	8661	778	655	6717	39	182	189	127	19	836	0.962962963	0.097513771
T0047 2A	2/21/11	JM	Group 1	EI Chayal	30870	5950	658	577	5706	31	159	162	110	16	720	0.981481481	0.101121626
T0047 2B	2/21/11	JM	Group 1	EI Chayal	30612	6116	670	560	5451	31	156	161	111	13	644	0.968944099	0.102733443
T0047 2C	2/21/11	JM	Group 1	EI Chayal	30316	6092	709	560	5513	28	160	169	114	17	612	0.946745562	0.101578088
T0047 2D	2/21/11	JM	Group 1	EI Chayal	33084	5997	663	581	5757	42	188	194	126	22	647	0.969072165	0.100920618
T0047 2E	2/21/11	JM	Group 1	EI Chayal	32899	6049	808	571	5760	38	189	196	121	23	641	0.964285714	0.099131944
T0047 2F	2/21/11	JM	Group 1	EI Chayal	30757	5692	707	566	5754	34	184	193	128	22	627	0.953367876	0.098366354
T0047 2G	2/21/11	JM	Group 1	EI Chayal	31284	5840	673	592	5842	39	194	199	134	29	675	0.974874372	0.101335159
T0047 2H	2/21/11	JM	Group 1	EI Chayal	38334	7379	968	730	7017		238	248	160	40	730	0.959677419	0.104033063
T0047 2I	2/21/11	JM	Group 1	EI Chayal	32025	5962	625	593	5889	33	188	190	131	26	683	0.989473684	0.100696213
T0047 2J	2/21/11	JM	Group 1	EI Chayal	36861	7247	749	646	6370	42	194	208	132	26	822	0.932692308	0.101412873
T0047 3A	2/21/11	JM	Group 1	EI Chayal	30845	6046	674	562	5772	35	177	191	126	24	652	0.926701571	0.097366597
T0047 3B	2/21/11	JM	Group 1	EI Chayal	29566	5575	753	547	5496	27	159	159	110	17	600	1	0.099526929
T0047 3C	2/21/11	JM	Group 1	EI Chayal	31011	5813	669	581	5741	31	168	167	119	21	651	1.005988024	0.101201881
T0047 3D	2/21/11	JM	Group 1	EI Chayal	30614	5909	595	570	5514	35	179	178	121	20	716	1.005617978	0.103373232
T0047 3E	2/21/11	JM	Group 1	EI Chayal	33174	5911	680	606	6156	43	204	210	130	30	734	0.971428571	0.098440546
T0047 3F	2/21/11	JM	Group 1	EI Chayal	32591	7185	673	613	6071	31	191	209	128	25	722	0.913875598	0.100971833
T0047 3G	2/21/11	JM	Group 1	EI Chayal	35491	7344	641	651	6556	50	229	236	154	35	892	0.970338983	0.099298353
T0047 3H	2/21/11	JM	Group 1	EI Chayal	33296	6778	804	644	6150	43	205	220	142	25	622	0.931818182	0.104715447
T0047 3I	2/21/11	JM	Group 1	EI Chayal	42323	8267	816	792	7381		225	221	135	27	996	1.018099548	0.107302534
T0047 3J	2/21/11	JM	Group 1	EI Chayal	35973	6607	570	648	6452	36	183	194	123	23	843	0.943298969	0.100433974
T0048 1A	2/9/11	CK	Group 1	EI Chayal	32800	6258	841	609	5710	43	157	159	110	8	618	0.987421384	0.106654991
T0048 1B	2/9/11	CK	Group 1	EI Chayal	28339	4929	646	514	5153	29	138	134	87	8	554	1.029850746	0.09974772
T0048 1C	2/9/11	CK	Group 1	EI Chayal	28465	5268	588	527	5243	18	133	146	89	10	657	0.910958904	0.100514972
T0048 1D	2/9/11	CK	Group 1	EI Chayal	31663	6183	702	564	5608	37	150	154	97	9	638	0.974025974	0.100570613
T0048 1E	2/9/11	CK	Group 1	EI Chayal	31349	5618	457	508	4748	31	160	152	93	13	642	1.052631579	0.106992418
T0048 1F	2/9/11	CK	Group 1	EI Chayal	28756	5623	801	535	5297	27	147	156	104	11	489	0.942307692	0.101000566
T0048 1G	2/9/11	CK	Group 1	EI Chayal	29257	5321	620	530	5425	28	139	152	92	11	674	0.914473684	0.097695853

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T0048 1H	2/9/11	CK	Group 1	EI Chayal	30215	5659	656	565	5377	30	136	149	97	10	580	0.912751678	0.105077181
T0048 1I	2/9/11	CK	Group 1	EI Chayal	26773	6993	745	556	5440	32	134	156	90	9	544	0.858974359	0.102205882
T0048 1J	2/9/11	CK	Group 1	EI Chayal	30396	5738	561	503	4786	30	157	161	92	14	639	0.97515528	0.105098203
T0048 2A	2/9/11	CK	Group 1	EI Chayal	28315	5760	627	519	5295	31	147	172	105	16	599	0.854651163	0.098016997
T0048 2B	2/9/11	CK	Group 1	EI Chayal	32416	5923	598	568	5720	38	154	155	101	7	748	0.993548387	0.099300699
T0048 2C	2/9/11	CK	Group 1	EI Chayal	29320	6274	783	565	5428	18	141	151	99	7	558	0.933774834	0.104089904
T0048 2D	2/9/11	CK	Group 1	EI Chayal	33171	7132	707	557	5730	39	155	166	108	10	716	0.93373494	0.097207679
T0048 2E	2/9/11	CK	Group 1	EI Chayal	30276	6285	694	560	5541	33	159	168	111	13	666	0.946428571	0.10106479
T0048 2F	2/9/11	CK	Group 1	EI Chayal	30533	5645	731	560	5616	32	142	152	97	7	628	0.934210526	0.0997151
T0048 2G	2/9/11	CK	Group 1	EI Chayal	29507	6372	694	539	5581	32	159	163	109	17	610	0.975460123	0.096577674
T0048 2H	2/9/11	CK	Group 1	EI Chayal	28108	5696	502	474	4582	24	159	151	90	17	568	1.052980132	0.103448276
T0048 2I	2/9/11	CK	Group 1	EI Chayal	29683	5802	694	537	5506	26	143	151	101	9	634	0.947019868	0.097529967
T0048 2J	2/9/11	CK	Group 1	EI Chayal	31161	6448	627	551	5624	47	196	206	138	29	672	0.951456311	0.097972973
T0048 3A	2/9/11	CK	Group 1	EI Chayal	31952	6321	637	582	5751	40	169	187	120	24	726	0.903743316	0.101199791
T0048 3B	2/9/11	CK	Group 1	EI Chayal	31548	6238	648	581	5735	31	162	169	109	16	689	0.958579882	0.101307759
T0048 3C	2/9/11	CK	Group 1	EI Chayal	30096	5560	714	542	5377	30	149	163	107	17	574	0.914110429	0.100799702
T0048 3D	2/9/11	CK	Group 1	EI Chayal	31826	6095	753	581	5964	35	168	175	112	19	688	0.96	0.09741784
T0048 3E	2/9/11	CK	Group 1	EI Chayal	28755	5470	670	558	5412	31	166	179	116	25	561	0.927374302	0.103104213
T0048 3F	2/9/11	CK	Group 1	EI Chayal	31124	6709	706	594	5731	33	176	176	115	18	656	1	0.103646833
T0048 3G	2/9/11	CK	Group 1	EI Chayal	31834	5624	874	578	5639	41	167	174	114	15	587	0.959770115	0.102500443
T0048 3H	2/9/11	CK	Group 1	EI Chayal	32449	6069	479	525	5012	44	179	174	98	18	739	1.028735632	0.104748603
T0048 3I	2/9/11	CK	Group 1	EI Chayal	33132	6689	691	563	5867	37	168	175	123	17	737	0.96	0.095960457
T0048 3J	2/9/11	CK	Group 1	EI Chayal	31791	9695	726	582	5892	39	167	179	112	15	615	0.932960894	0.098778004
T0049A	11/4/10	JM	Group 3	Ixtepeque	33445	7527	1094	407	8432	23	90	157	142	7	696	0.573248408	0.048268501
T0049B	11/4/10	JM	Group 3	Ixtepeque	32021	7445	1076	419	8388	30	120	181	173	18	648	0.662983425	0.049952313
T0050 1A	2/7/11	JM	Group 1	EI Chayal	29924	6160	607	558	5421	32	143	151	103	9	670	0.947019868	0.102933038
T0050 1B	2/7/11	JM	Group 1	EI Chayal	28625	6824	670	522	5319	29	144	151	96	9	605	0.953642384	0.098138748
T0050 1C	2/7/11	JM	Group 3	Ixtepeque	31953	6872	988	410	8284	21	107	170	166	10	650	0.629411765	0.049492999
T0050 1D	2/7/11	JM	Group 1	EI Chayal	30938	6672	748	557	5470	28	146	157	95	10	581	0.929936306	0.101828154
T0050 1E	2/7/11	JM	Group 1	EI Chayal	29326	7590	647	555	5443	21	136	146	94	10	642	0.931506849	0.101965828
T0050 1F	2/7/11	JM	Group 1	EI Chayal	30601	7606	652	551	5591	36	159	163	103	16	650	0.975460123	0.098551243
T0050 1G	2/7/11	JM	Group 1	EI Chayal	28970	7113	610	551	5537	25	145	153	96	9	656	0.947712418	0.099512371
T0050 1H	2/7/11	JM	Group 1	EI Chayal	29942	8387	703	523	5431	23	139	144	91	11	630	0.965277778	0.096299024
T0050 1I	2/7/11	JM	Group 3	Ixtepeque	30926	6237	1067	399	8219	27	94	157	151	6	699	0.598726115	0.048546052
T0050 1J	2/7/11	JM	Group 1	EI Chayal	30241	6935	755	588	5687	35	179	188	126	24	621	0.95212766	0.103393705
T0050 2A	2/7/11	JM	Group 1	EI Chayal	32145	6789	742	570	5745	34	161	178	114	15	685	0.904494382	0.09921671
T0050 2B	2/7/11	JM	Group 1	EI Chayal	31555	7188	704	603	5640	36	167	175	120	17	652	0.954285714	0.106914894
T0050 2C	2/7/11	JM	Group 1	EI Chayal	29767	6831	633	540	5542	34	144	150	97	13	600	0.96	0.097437748
T0050 2D	2/7/11	JM	Group 3	Ixtepeque	35508	7938	1084	443	9104	25	141	224	204	30	881	0.629464286	0.04865993
T0050 2E	2/7/11	JM	Group 1	EI Chayal	28168	7668	675	512	5314	28	133	146	94	8	577	0.910958904	0.096349266
T0050 2F	2/7/11	JM	Group 1	EI Chayal	31278	7218	699	567	5605	33	159	169	107	12	645	0.940828402	0.101159679
T0050 2G	2/7/11	JM	Group 1	EI Chayal	30140	5949	672	541	5502	37	163	176	115	17	657	0.926136364	0.098327881
T0050 2H	2/7/11	JM	Group 1	EI Chayal	29603	6173	595	540	5559	33	158	165	109	13	656	0.957575758	0.097139773
T0050 2I	2/7/11	JM	Group 1	EI Chayal	33644	6620	817	605	6107	42	166	184	117	21	702	0.902173913	0.099066645
T0050 2J	2/7/11	JM	Group 1	EI Chayal	30600	6284	674	564	5664	35	159	170	110	17	652	0.935294118	0.099576271
T0051 0	11/11/10	JM	Group 1	EI Chayal	29674	24820	684	579	5567	25	137	145	96	9	594	0.944827586	0.104005748
T0051 A	11/11/10	JM	Group 1	EI Chayal	26895	5189	624	531	5286	24	134	131	85	6	595	1.022900763	0.10045403

Supplemental Table 1. Elemental Concentrations in Obsidian Artifacts from Tikal, Guatemala, as Determined by pXRF. Concentrations are in ppm.

T0051 B	11/11/10	JM	Group 1	EI Chayal	61932	9809	647	528	5332	37	140	147	92	10	534	0.952380952	0.099024756
T0051 C	11/11/10	JM	Group 1	EI Chayal	30129	5789	686	555	5515	35	136	148	95	10	540	0.918918919	0.100634633
T0051 D	11/11/10	JM	Group 1	EI Chayal	32644	6811	685	593	5779	44	147	158	105	11	712	0.930379747	0.102612909
T0051 E	11/11/10	JM	Group 1	EI Chayal	30110	6344	730	552	5689	32	139	143	95	9	626	0.972027972	0.097029355
T0051 F	11/11/10	JM	Group 1	EI Chayal	31372	5910	561	568	5682	34	156	159	108	13	777	0.981132075	0.099964801
T0051 G	11/11/10	JM	Group 1	EI Chayal	30837	8398	660	554	5615	31	133	147	89	6	678	0.904761905	0.098664292
T0051 H	11/11/10	JM	Group 1	EI Chayal	31843	6066	654	580	5744	39	160	167	116	14	706	0.958083832	0.10097493
T0051 I	11/11/10	JM	Group 1	EI Chayal	29666	5062	649	505	5406	30	150	160	109	16	678	0.9375	0.093414724
T0051 J	11/11/10	JM	Group 1	EI Chayal	32504	7346	811	586	5858	35	165	175	118	13	556	0.942857143	0.100034141
T0051 K	11/11/10	JM	Group 1	EI Chayal	32672	6309	829	603	5938	29	159	162	107	11	606	0.981481481	0.101549343
T0051 L	11/11/10	JM	Group 1	EI Chayal	30154	6146	544	572	5618		142	146	100	15	740	0.97260274	0.101815593
T0051 M	11/11/10	JM	Group 1	EI Chayal	29537	6473	566	564	5651	34	141	155	96	8	628	0.909677419	0.099805344
T0051 N	11/11/10	JM	Group 1	EI Chayal	32235	6106	642	587	5858	37	145	159	101	11	764	0.911949686	0.100204848
T0051 P	11/11/10	JM	Group 1	EI Chayal	30687	6287	607	562	5550	32	150	162	105	13	680	0.925925926	0.101261261
T0051 Q	11/11/10	JM	Group 1	EI Chayal	31894	6832	623	577	5736	36	148	164	105	13	721	0.902439024	0.100592748
T0051 R	11/11/10	JM	Group 1	EI Chayal	32431	5941	709	571	5719	38	149	161	103	10	689	0.925465839	0.09984263
T0051 S	11/11/10	JM	Group 1	EI Chayal	30197	5467	590	548	5633	34	160	168	117	19	646	0.952380952	0.097283863
T0052A	11/4/10	JM	Group 1	EI Chayal	30978	6076	614	548	5576	38	166	169	111	14	658	0.982248521	0.098278336
T0052B	11/4/10	JM	Group 1	EI Chayal	29107	8964	635	525	5668	33	157	161	104	10	669	0.97515528	0.092625265
T0052C	11/4/10	JM	Group 1	EI Chayal	31652	7963	625	568	5633	39	165	174	110	16	718	0.948275862	0.100834369
T0052D	11/4/10	JM	Group 1	EI Chayal	29340	6683	567	532	5436	21	146	151	98	14	696	0.966887417	0.097866078
T0052E	11/4/10	JM	Group 1	EI Chayal	37106	8550	805	639	6602		188	203	120	25	833	0.926108374	0.096788852
T0052F(*)	11/4/10	JM	Group 1	EI Chayal	35728	7359	741	620	6405	29	221	217	152	37	767	1.01843318	0.096799375
T0052G(*)	11/4/10	JM	Group 1	EI Chayal	39041	12859	612	653	6930	23	196	198	122	21	894	0.98989899	0.094227994
T0052H(*)	11/4/10	JM	Group 1	EI Chayal	38369	9246	881	649	6941	31	211	216	135	29	804	0.976851852	0.093502377
T0052I(*)	11/4/10	JM	Group 1	EI Chayal	35035	10635	788	636	6780		194	189	135	26	764	1.026455026	0.09380531
T0053 A	11/18/10	JM	Group 1	EI Chayal	35995	9122	1138	631	6659		139	143	99	10	553	0.972027972	0.094758973
T0053 B	11/18/10	JM	Group 1	EI Chayal	30478	6357	751	556	5869	19	173	180	122	21	573	0.961111111	0.094735049
T0053 C(*)	11/18/10	JM	Group 1	EI Chayal	41356	10263	1083	701	7478		172	173	126	28	622	0.994219653	0.093741642
T0054 O	11/23/10	JM	Group 1	EI Chayal	31013	6383	730	582	5822	45	196	203	134	27	688	0.965517241	0.099965648
T0054 A	11/23/10	JM	Group 1	EI Chayal	30526	5353	578	550	5369	36	142	152	100	10	690	0.934210526	0.102439933
T0054 B	11/23/10	JM	Group 1	EI Chayal	29996	6139	668	539	5654	34	178	178	127	20	664	1	0.095330739
T0054 C	11/23/10	JM	Group 1	EI Chayal	28974	5309	643	544	5339	29	150	150	101	16	603	1	0.10189174
T0054 D	11/23/10	JM	Group 1	EI Chayal	30792	5752	620	558	5526	31	145	156	101	14	629	0.929487179	0.100977199
T0054 E	11/23/10	JM	Group 1	EI Chayal	27891	6283	533	523	5339	24	139	153	100	11	652	0.908496732	0.097958419
T0054 F	11/23/10	JM	Group 1	EI Chayal	29181	6110	696	573	5423	32	144	145	95	8	544	0.993103448	0.105661073
T0054 G	11/23/10	JM	Group 1	EI Chayal	31161	6509	537	555	5580	41	162	173	114	15	759	0.936416185	0.099462366
T0054 H	11/23/10	JM	Group 1	EI Chayal	30398	7872	664	559	5818	42	180	193	117	24	663	0.932642487	0.096081128
T0054 I	11/23/10	JM	Group 1	EI Chayal	29144	5844	759	542	5496	31	136	146	94	6	586	0.931506849	0.098617176
T0054 J	11/23/10	JM	Group 1	EI Chayal	30063	5972	607	540	5511	29	144	159	99	15	693	0.905660377	0.097985846
T0054 K	11/23/10	JM	Group 1	EI Chayal	31619	5983	721	577	5700	36	183	196	121	28	699	0.933673469	0.10122807
T0054 L	11/23/10	JM	Group 3	Ixtepeque	32647	6978	1101	383	8497	25	105	170	166	12	746	0.617647059	0.045074732
T0054 M	11/23/10	JM	Group 1	EI Chayal	30772	7849	771	575	5722	38	173	186	116	20	599	0.930107527	0.100489339
T0054 N	11/23/10	JM	Group 1	EI Chayal	30699	6710	705	566	5596	34	169	179	121	21	646	0.944134078	0.101143674
T0054 P	11/23/10	JM	Group 1	EI Chayal	30073	5646	711	555	5601	37	186	189	129	27	603	0.984126984	0.099089448
T0054 Q	11/23/10	JM	Group 1	EI Chayal	30568	7388	706	577	5771	32	159	172	105	17	658	0.924418605	0.099982672
T0054 R	11/23/10	JM	Group 1	EI Chayal	27914	5744	641	534	5270	28	146	152	96	11	713	0.960526316	0.101328273

**Supplemental Table 1. Elemental Concentrations in Obsidian Artifacts from Tikal, Guatemala, as Determined by pXRF. Concentrations are in ppm.**

T0054 S	11/23/10	JM	Group 1	EI Chayal	30379	7958	776	558	5546	34	154	172	114	14	652	0.895348837	0.100613054
T0054 T	11/23/10	JM	Group 1	EI Chayal	33466	7712	835	621	6033	32	178	189	121	20	625	0.941798942	0.102933864
T0055 A	11/11/10	JM	Group 1	EI Chayal	29252	5210	655	576	5624	3578	125	140	86	7	625	0.892857143	0.102418208
T0055 B	11/11/10	JM	Group 1	EI Chayal	31103	5831	730	558	5522	40	150	160	104	12	652	0.9375	0.101050344
T0055 C	11/11/10	JM	Group 1	EI Chayal	34146	6265	668	608	6129	33	170	175	120	19	772	0.971428571	0.099200522
T0056A	11/10/10	CK	Group 1	EI Chayal	29584	9954	647	552	5610	31	182	185	132	22	642	0.983783784	0.098395722
T0056B	11/10/10	CK	Group 1	EI Chayal	29467	31922	771	598	5883	33	199	208	138	26	646	0.956730769	0.101648819
T0056C	11/10/10	CK	Group 1	EI Chayal	34568	18091	863	658	6606	66	218	225	149	32	655	0.968888889	0.099606418
T0056D	11/10/10	CK	Group 1	EI Chayal	39346	11352	754	708	7391	33	192	200	143	24	921	0.96	0.09579218
T0056E	11/10/10	CK	Group 1	EI Chayal	32668	11128	670	610	6130	39	183	193	132	28	728	0.948186528	0.099510604
T0056F	11/10/10	CK	Group 1	EI Chayal	43737	10776	1042	770	7716		194	192	129	25	824	1.010416667	0.099792639
T0057A	11/4/10	JM	Group 2	San Martin	31821	7738	735	450	5523	35	110	185	95	5	702	0.594594595	0.081477458
T0057B	11/4/10	JM	Group 7	Cerro Varal	36042	8005	714	347	6935	41	174	109	165	32	546	1.596330275	0.050036049
T0058	11/11/10	JM	Group 1	EI Chayal	30523	5985	655	579	5490	30	152	156	106	12	637	0.974358974	0.105464481
T0059	11/11/10	JM	Group 1	EI Chayal	31693	5647	613	582	5654	37	156	171	107	15	611	0.912280702	0.102935975
T0060	11/4/10	JM	Group 1	EI Chayal	32415	6814	738	576	5714	41	181	186	124	21	618	0.97311828	0.10080504
T0061A	11/10/10	CK	Group 1	EI Chayal	35789	7676	761	671	6562		231	230	167	42	759	1.004347826	0.10225541
T0061AA	11/10/10	CK	Group 1	EI Chayal	33177	11137	585	520	5059	41	201	189	116	23	702	1.063492063	0.102787112
T0061B	11/10/10	CK	Group 1	EI Chayal	28638	6548	573	524	5373	28	157	158	110	13	644	0.993670886	0.09752466
T0061BB	11/10/10	CK	Group 1	EI Chayal	32081	8644	792	592	5765	40	181	189	129	21	640	0.957671958	0.102688638
T0061C	11/10/10	CK	Group 1	EI Chayal	29793	6335	662	541	5480	33	162	172	109	16	589	0.941860465	0.098722628
T0061CC	11/10/10	CK	Group 1	EI Chayal	35477	8126		709	6406	56	215	226	148	35	921	0.951327434	0.11067749
T0061D	11/10/10	CK	Group 1	EI Chayal	30227	7048	657	561	5591	33	185	191	130	23	716	0.968586387	0.100339832
T0061DD	11/10/10	CK	Group 1	EI Chayal	31278	34689	810	558	6049	57	226	240	159	37	661	0.941666667	0.092246652
T0061E	11/10/10	CK	Group 1	EI Chayal	31016	9567	738	591	5644	39	171	180	122	20	570	0.95	0.10471297
T0061F	11/10/10	CK	Group 1	EI Chayal	32944	7091	669	577	5885	52	204	211	142	31	710	0.966824645	0.098045879
T0061G	11/10/10	CK	Group 1	EI Chayal	31872	9827	769	593	5691	35	169	177	120	17	625	0.95480226	0.104199613
T0061H	11/10/10	CK	Group 1	EI Chayal	30929	7675	713	569	5766	40	181	188	125	19	695	0.962765957	0.098681929
T0061I	11/10/10	CK	Group 1	EI Chayal	36403	8178	794	657	6551	58	242	235	164	38	756	1.029787234	0.100290032
T0061J	11/10/10	CK	Group 1	EI Chayal	33006	16172	748	605	6000	47	193	196	128	25	663	0.984693878	0.100833333
T0061K	11/10/10	CK	Group 1	EI Chayal	31362	9612	772	572	5648	50	190	197	128	24	575	0.964467005	0.101274788
T0061L	11/10/10	CK	Group 1	EI Chayal	31844	9858	705	599	5935	50	193	205	135	20	678	0.941463415	0.100926706
T0061M	11/10/10	CK	Group 1	EI Chayal	28236	74405	718	494	5443	49	195	206	136	28	632	0.946601942	0.090758773
T0061N	11/10/10	CK	Group 1	EI Chayal	31605	18121	665	557	5637	34	202	222	140	29	698	0.90990991	0.098811425
T0061O	11/10/10	CK	Group 1	EI Chayal	31871	12676	789	601	5937	56	226	252	161	38	641	0.896825397	0.101229577
T0061P	11/10/10	CK	Group 1	EI Chayal	29963	24415	582	568	5735	47	201	216	143	31	699	0.930555556	0.099040976
T0061Q	11/10/10	CK	Group 1	EI Chayal	33612	7145	638	601	6081	45	179	193	125	21	803	0.92746114	0.098832429
T0061R	11/10/10	CK	Group 1	EI Chayal	28221	8483	621	538	5418	33	204	210	139	27	564	0.971428571	0.099298634
T0061S	11/10/10	CK	Group 1	EI Chayal	33293	6854	762	600	6025	42	222	237	154	35	719	0.936708861	0.099585062
T0061T	11/10/10	CK	Group 1	EI Chayal	37869	8062	716	671	6814	57	229	248	155	39	794	0.923387097	0.098473731
T0061U	11/10/10	CK	Group 1	EI Chayal	32928	21711	810	582	6266	42	211	219	145	30	682	0.96347032	0.092882222
T0061V	11/10/10	CK	Group 1	EI Chayal	30122	5655	697	552	5555	34	177	181	125	24	587	0.977900552	0.099369937
T0061W	11/10/10	CK	Group 1	EI Chayal	31371	6302	668	594	5905	28	187	191	135	24	706	0.979057592	0.100592718
T0061X	11/10/10	CK	Group 1	EI Chayal	29907	6349	604	563	5531	31	165	175	118	18	654	0.942857143	0.101789911
T0061Y	11/10/10	CK	Group 1	EI Chayal	31120	17476	593	554	5774	37	169	181	116	21	750	0.933701657	0.09594735
T0061Z	11/10/10	CK	Group 1	EI Chayal	30116	10296	734	565	5547	33	164	173	109	15	606	0.947976879	0.10185686
T0062 A	12/1/10	CK	Group 1	EI Chayal	32526	6532	588	568	5701	40	144	156	100	11	812	0.923076923	0.099631644



**Supplemental Table 1. Elemental Concentrations in Obsidian Artifacts from Tikal, Guatemala, as Determined by pXRF. Concentrations are in ppm.**

T0062 B	12/1/10	CK	Group 1	EI Chayal	28862	5385	613	511	4646	27	137	135	77	10	503	1.014814815	0.109987086
T0062 C	12/1/10	CK	Group 1	EI Chayal	30937	7477	810	550	5708	25	141	148	101	10	558	0.952702703	0.096355992
T0062 D	12/1/10	CK	Group 1	EI Chayal	32181	18886	651	595	5792	43	166	184	113	19	713	0.902173913	0.102727901
T0062 E	12/1/10	CK	Group 1	EI Chayal	30033	7498	694	540	5490	31	141	152	101	12	624	0.927631579	0.098360656
T0062 F	12/1/10	CK	Group 1	EI Chayal	30470	9629	753	543	5635	27	143	158	97	13	610	0.905063291	0.096362023
T0062 G	12/1/10	CK	Group 1	EI Chayal	28472	10057	732	546	5530	43	145	163	109	10	572	0.889570552	0.098734177
T0062 H	12/1/10	CK	Group 1	EI Chayal	30463	25795	660	558	5641	42	153	170	106	14	716	0.9	0.098918631
T0062 I	12/1/10	CK	Group 1	EI Chayal	28527	17483	807	524	5502	43	153	165	109	14	484	0.927272727	0.095238095
T0062 J	12/1/10	CK	Group 1	EI Chayal	30231	7943	628	552	5594	35	164	169	112	17	678	0.970414201	0.098677154
T0062 K	12/1/10	CK	Group 1	EI Chayal	29958	10130	713	544	5506	44	170	187	123	20	611	0.909090909	0.098801308
T0062 L	12/1/10	CK	Group 1	EI Chayal	32277	11116	676	596	5774	38	187	192	127	24	715	0.973958333	0.103221337
T0062 M	12/1/10	CK	Group 1	EI Chayal	31315	8294	659	561	5516	36	148	165	108	11	662	0.896969697	0.101704133
T0062 N	12/1/10	CK	Group 1	EI Chayal	32421	17535	645	578	5827	35	169	175	117	15	868	0.965714286	0.09919341
T0062 O	12/1/10	CK	Group 1	EI Chayal	30410	8625	703	572	5656	50	195	196	132	25	667	0.994897959	0.101131542
T0062 P	12/1/10	CK	Group 1	EI Chayal	28624	19533	751	517	5415	27	153	154	100	10	564	0.993506494	0.095475531
T0062 Q	12/1/10	CK	Group 1	EI Chayal	30863	7117	569	561	5605	44	166	178	113	19	789	0.93258427	0.100089206
T0062 R	12/1/10	CK	Group 1	EI Chayal	29011	5943	579	526	5505	32	148	161	92	10	662	0.919254658	0.0955495
T0062 S	12/1/10	CK	Group 1	EI Chayal	32394	7714	759	603	5792	43	186	199	131	23	636	0.934673367	0.104109116
T0062 T	12/1/10	CK	Group 1	EI Chayal	32119	7357	703	597	5828	44	204	206	137	33	679	0.990291262	0.102436513
T0062 U	12/1/10	CK	Group 1	EI Chayal	32008	9543	793	601	6026	41	188	197	138	24	648	0.954314721	0.099734484
T0062 V	12/1/10	CK	Group 1	EI Chayal	29212	27521	533	514	5450	43	155	181	117	17	764	0.856353591	0.094311927
T0062 W	12/1/10	CK	Group 1	EI Chayal	32696	30182	778	626	6130	72	220	238	153	37	657	0.924369748	0.102120718
T0062 X	12/1/10	CK	Group 1	EI Chayal	32016	15148	607	571	5856	37	178	187	121	17	765	0.951871658	0.097506831
T0062 Y	12/1/10	CK	Group 1	EI Chayal	34453	17660	802	621	6467	53	237	239	165	41	635	0.991631799	0.096025978
T0063 A	11/18/10	JM	Group 1	EI Chayal	32985	7431	712	624	6110	51	196	212	121	25	703	0.924528302	0.10212766
T0063 B	11/18/10	JM	Group 1	EI Chayal	34262	6774	661	584	5926	45	177	185	113	21	761	0.956756757	0.098548768
T0063 C	11/18/10	JM	Group 2	San Martin	30039	7778	734	475	6073	30	132	220	115	16	785	0.6	0.07821505
T0063 D	11/18/10	JM	Group 1	EI Chayal	33293	15713	800	584	5758	31	157	161	98	10	598	0.97515528	0.101424106
T0063 E	11/18/10	JM	Group 1	EI Chayal	33857	6704	767	589	5920	41	193	208	131	27	578	0.927884615	0.099493243
T0063 F	11/18/10	JM	Group 1	EI Chayal	33425	7011	684	639	6239	39	188	200	132	26	742	0.94	0.10242026
T0063 G	11/18/10	JM	Group 1	EI Chayal	35609	7384	744	652	6424	40	223	228	141	33	718	0.978070175	0.101494396
T0063 H	11/18/10	JM	Group 1	EI Chayal	36205	7444	696	642	5956	167	165	101	12	727	1.012121212	0.107790463	
T0063 I(*)	11/18/10	JM	Group 1	EI Chayal	38164	8067	810	722	7107	35	208	204	131	29	823	1.019607843	0.101589982
T0063 J(*)	11/18/10	JM	Group 1	EI Chayal	40348	8765	958	710	7036	207	226	135	30	639	0.915929204	0.100909608	
T0063 K(*)	11/18/10	JM	Group 1	EI Chayal	45463	13417	927	769	7885	236	254	150	38	971	0.929133858	0.09752695	
T0063 L(*)	11/18/10	JM	Group 1	EI Chayal	47269	11041	711	818	7717	223	227	152	39	1104	0.982378855	0.105999741	
T0064 A	11/11/10	JM	Group 1	EI Chayal	29716	8135	743	555	5590	24	144	148	101	9	599	0.972972973	0.099284436
T0064 B	11/11/10	JM	Group 1	EI Chayal	29135	7959	655	568	5510	30	151	167	108	13	603	0.904191617	0.103085299
T0064 C	11/11/10	JM	Group 1	EI Chayal	29012	13125	573	555	5652	40	176	194	127	20	694	0.907216495	0.098195329
T0065	11/11/10	JM	Group 1	EI Chayal	31809	6328	649	555	5829	46	186	203	135	26	686	0.916256158	0.095213587
T0066 A	11/11/10	JM	Group 1	EI Chayal	32350	5715	513	550	4931	25	146	138	77		677	1.057971014	0.111539244
T0066 B	11/11/10	JM	Group 1	EI Chayal	31346	5693	588	534	4778	32	146	144	79	9	625	1.013888889	0.111762244
T0067 A	11/11/10	JM	Group 1	EI Chayal	34884	7148	750	630	6257	43	195	197	130	22	672	0.989847716	0.10068723
T0067 B	11/11/10	JM	Group 1	EI Chayal	31341	6492	670	571	5756	42	168	179	114	21	673	0.938547486	0.099200834
T0067 C	11/11/10	JM	Group 1	EI Chayal	31850	6924	694	598	5873	155	159	110	14	628	0.974842767	0.101821897	
T0068	10/8/10	JM	Group 1	EI Chayal	31041	6766	747	548	5513	34	136	144	92	9	606	0.944444444	0.099401415
T0068 B	12/2/10	JM	Group 1	EI Chayal	29859	5442	611	544	5417	40	143	144	100	8	623	0.993055556	0.100424589

**Supplemental Table 1. Elemental Concentrations in Obsidian Artifacts from Tikal, Guatemala, as Determined by pXRF. Concentrations are in ppm.**

T0068 C	12/2/10	JM	Group 1	EI Chayal	33428	7500	715	577	5679	34	133	143	85	5	636	0.93006993	0.101602395
T0069	11/11/10	JM	Group 1	EI Chayal	30297	6432	663	577	5626	34	142	150	93	9	693	0.946666667	0.102559545
T0070	11/4/10	JM	Group 1	EI Chayal	30015	7928	585	542	5499	29	137	140	95	6	704	0.978571429	0.098563375
T0071 A	11/11/10	JM	Group 1	EI Chayal	31135	11152	665	566	5496	34	136	150	102	9	644	0.906666667	0.102983988
T0071 B	11/11/10	JM	Group 1	EI Chayal	29975	7039	627	552	5597	40	140	155	99	5	642	0.903225806	0.098624263
T0071 C	11/11/10	JM	Group 1	EI Chayal	31091	10740	672	534	5550	49	142	151	97	10	705	0.940397351	0.096216216
T0071 D	11/11/10	JM	Group 1	EI Chayal	31826	7100	638	557	5628	39	144	153	101	10	727	0.941176471	0.098969439
T0071 E	11/11/10	JM	Group 1	EI Chayal	31820	6152	651	574	5736	36	146	164	103	9	735	0.890243902	0.100069735
T0071 F	11/11/10	JM	Group 1	EI Chayal	31404	7533	586	561	5537	43	139	156	102	8	759	0.891025641	0.101318403
T0071 G	11/11/10	JM	Group 1	EI Chayal	30225	8304	597	535	5456	53	129	146	94	5	664	0.883561644	0.098057185
T0071 H	11/11/10	JM	Group 1	EI Chayal	30959	8439	678	595	5575	58	144	154	96	9	803	0.935064935	0.106726457
T0071 I	11/11/10	JM	Group 1	EI Chayal	30197	10127	590	538	5325	111	153	155	104	14	951	0.987096774	0.101032864
T0071 J	11/11/10	JM	Group 1	EI Chayal	31445	7194	638	564	5688	63	149	163	105	8	704	0.914110429	0.099156118
T0071 K	11/11/10	JM	Group 1	EI Chayal	31185	7828	666	550	5566	60	147	154	97	6	770	0.954545455	0.098814229
T0071 L	11/11/10	JM	Group 1	EI Chayal	30173	6786	681	556	5458	230	139	151	98	6	1049	0.920529801	0.101868816
T0072	11/4/10	JM	Group 1	EI Chayal	29414	5498	552	530	5342	30	140	149	96	7	692	0.939597315	0.099213778
T0073	11/4/10	JM	Group 1	EI Chayal	28783	5741	617	545	5313	30	134	137	91	13	651	0.97810219	0.102578581
T0074	11/4/10	JM	Group 1	EI Chayal	28909	7507	709	544	5427	28	133	143	95	8	593	0.93006993	0.100239543
T0075	11/11/10	JM	Group 1	EI Chayal	48897	7151	585	535	5393	48	150	147	101	10	690	1.020408163	0.09920267
T0076	12/2/10	JM	Group 10	Fuentezuelas	35003	1746	500	234	13957	137	163	6	616	29	337	27.16666667	0.016765781
T0077	11/4/10	JM	Group 1	EI Chayal	30371	10345	813	536	5547	31	145	154	97	9	581	0.941558442	0.096628808
T0078A	11/4/10	JM	Group 1	EI Chayal	30325	9620	708	547	5568	36	160	171	113	14	643	0.935672515	0.098239943
T0078B	11/4/10	JM	Group 1	EI Chayal	31469	6968	725	552	5646	38	178	181	117	18	667	0.983425414	0.097768332
T0079	12/1/10	CK	Group 1	EI Chayal	31351	6326	631	569	5715	41	160	163	108	15	697	0.981595092	0.099562555
T0080	11/11/10	JM	Group 1	EI Chayal	29598	9650	651	565	5434	29	140	163	101	8	585	0.858895706	0.103974972
T0081 A	11/11/10	JM	Group 1	EI Chayal	27401	7353	650	539	5315	43	135	151	92	10	683	0.894039735	0.101411101
T0081 B	11/11/10	JM	Group 1	EI Chayal	27766	7819	632	500	5183	31	133	135	92	7	592	0.985185185	0.096469226
T0081 C	11/11/10	JM	Group 1	EI Chayal	27774	8091	659	540	5139	156	141	148	96	9	1285	0.952702703	0.105078809
T0081 D	11/11/10	JM	Group 1	EI Chayal	26770	18570	637	523	5091	31	128	142	89	8	572	0.901408451	0.102730308
T0081 E	11/11/10	JM	Group 1	EI Chayal	27624	8398	563	526	5240	28	148	153	104	15	597	0.967320261	0.100381679
T0081 F	11/11/10	JM	Group 1	EI Chayal	30429	9538	678	550	5487	37	174	175	116	16	579	0.994285714	0.100236924
T0082 A	11/11/10	JM	Group 1	EI Chayal	30343	5931	692	571	5681	29	135	142	92	10	633	0.950704225	0.100510474
T0082 B	11/11/10	JM	Group 1	EI Chayal	31590	5853	722	563	5472	31	140	149	97	11	666	0.939597315	0.102887427
T0082 C	11/11/10	JM	Group 1	EI Chayal	29251	5609	711	524	5357	31	133	141	94	7	556	0.943262411	0.097815942
T0082 D	11/11/10	JM	Group 1	EI Chayal	30299	5750	633	573	5484	31	149	162	110	15	640	0.919753086	0.104485777
T0083 1A	2/14/11	JM	Group 1	EI Chayal	29082	4957	607	545	5461	26	138	146	99	7	703	0.945205479	0.099798572
T0083 1B	2/14/11	JM	Group 1	EI Chayal	30966	5743	679	562	5753	37	186	200	130	26	651	0.93	0.097688163
T0083 1C	2/14/11	JM	Group 1	EI Chayal	28887	6297	794	539	5627	37	151	158	106	16	551	0.955696203	0.095788164
T0083 1D	2/14/11	JM	Group 1	EI Chayal	29324	5648	629	564	5692	31	149	157	111	13	691	0.949044586	0.099086437
T0083 1E	2/14/11	JM	Group 1	EI Chayal	30305	5538	635	576	5651	45	143	151	98	10	651	0.947019868	0.101928862
T0083 1F	2/14/11	JM	Group 1	EI Chayal	28673	5549	570	537	5520	35	137	142	88	8	621	0.964788732	0.097282609
T0083 1G	2/14/11	JM	Group 1	EI Chayal	30156	5668	805	559	5669	35	183	191	123	25	539	0.958115183	0.098606456
T0083 1H	2/14/11	JM	Group 1	EI Chayal	30784	5691	671	557	5821	40	194	197	138	32	667	0.984771574	0.095688026
T0083 1I	2/14/11	JM	Group 1	EI Chayal	31014	5520	852	597	5813	32	157	169	100	12	555	0.928994083	0.102700843
T0083 1J	2/14/11	JM	Group 1	EI Chayal	28349	8370	670	558	5622	30	137	152	95	8	617	0.901315789	0.099252935
T0083 2A	2/14/11	JM	Group 1	EI Chayal	30898	5619	720	573	5667	30	140	150	96	9	699	0.933333333	0.101111699
T0083 2B	2/14/11	JM	Group 1	EI Chayal	29208	5845	738	568	5624	31	132	139	93	11	610	0.949640288	0.100995733

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T0083 2C	2/14/11	JM	Group 1	EI Chayal	28954	5172	656	550	5472	30	144	146	92	7	613	0.98630137	0.100511696
T0083 2D	2/14/11	JM	Group 1	EI Chayal	30550	9558	705	567	5707	40	151	156	98	9	690	0.967948718	0.099351673
T0083 2E	2/14/11	JM	Group 1	EI Chayal	29607	5401	691	558	5561	27	146	155	103	13	613	0.941935484	0.100341665
T0083 2F	2/14/11	JM	Group 1	EI Chayal	30117	5058	827	536	5361	31	142	155	98	13	529	0.916129032	0.099981347
T0083 2G	2/14/11	JM	Group 1	EI Chayal	30358	5112	639	533	5719	32	159	160	110	15	693	0.99375	0.093198112
T0083 2H	2/14/11	JM	Group 1	EI Chayal	31496	5770	737	597	5952	42	197	201	135	31	649	0.980099502	0.100302419
T0083 2I	2/14/11	JM	Group 1	EI Chayal	31009	6000	750	572	5757	38	168	178	117	18	652	0.943820225	0.099357304
T0083 2J	2/14/11	JM	Group 1	EI Chayal	31924	5951	688	589	5873	38	167	170	115	15	719	0.982352941	0.10028946
T0083 3A	2/14/11	JM	Group 1	EI Chayal	28666	5013	590	533	5393	24	135	134	88	10	617	1.007462687	0.098831819
T0083 3B	2/14/11	JM	Group 1	EI Chayal	30195	5156	796	540	5650	41	149	155	100	14	629	0.961290323	0.095575221
T0083 3C	2/14/11	JM	Group 1	EI Chayal	29717	5651	718	547	5654	24	134	136	88	7	581	0.985294118	0.096745667
T0083 3D	2/14/11	JM	Group 1	EI Chayal	29860	5671	743	547	5641	31	159	169	106	18	604	0.940828402	0.096968623
T0083 3E	2/14/11	JM	Group 1	EI Chayal	29680	5465	581	540	5716	36	170	182	117	22	786	0.934065934	0.094471659
T0083 3F	2/14/11	JM	Group 1	EI Chayal	30880	5167	661	551	5666	42	154	166	101	14	681	0.927710843	0.097246735
T0083 3G	2/14/11	JM	Group 1	EI Chayal	29097	5474	592	536	5502	28	148	152	97	9	645	0.973684211	0.09741912
T0083 3H	2/14/11	JM	Group 1	EI Chayal	30388	5682	735	548	5667	38	160	168	107	17	578	0.952380952	0.096700194
T0083 3I	2/14/11	JM	Group 1	EI Chayal	29009	5064	610	546	5454	41	141	149	103	10	686	0.946308725	0.100110011
T0083 3J	2/14/11	JM	Group 1	EI Chayal	30135	5688	721	564	5641	30	139	153	96	11	702	0.908496732	0.099982273
T0083 4A	2/14/11	JM	Group 1	EI Chayal	29103	5164	676	523	5471	29	141	150	96	9	574	0.94	0.095594955
T0083 4B	2/14/11	JM	Group 1	EI Chayal	29613	5427	744	541	5610	29	136	148	92	9	594	0.918918919	0.096434938
T0083 4C	2/14/11	JM	Group 1	EI Chayal	29890	5436	698	571	5651	32	149	150	98	13	714	0.993333333	0.101044063
T0083 4D	2/14/11	JM	Group 1	EI Chayal	30606	6248	750	600	5902	36	183	184	127	22	641	0.994565217	0.101660454
T0083 4E	2/14/11	JM	Group 1	EI Chayal	29599	5537	746	591	5857	28	152	157	107	24	689	0.968152866	0.1009049
T0083 4F	2/14/11	JM	Group 1	EI Chayal	30670	5686	724	550	5730	37	167	177	113	20	597	0.943502825	0.095986038
T0083 4G	2/14/11	JM	Group 1	EI Chayal	29293	4930	610	548	5582	28	150	157	110	10	670	0.955414013	0.098172698
T0083 4H	2/14/11	JM	Group 1	EI Chayal	30840	5863	713	583	5848	35	163	171	111	15	681	0.953216374	0.099692202
T0083 4I	2/14/11	JM	Group 1	EI Chayal	29344	5339	665	571	5567	31	143	158	98	12	600	0.905063291	0.102568708
T0083 4J	2/14/11	JM	Group 1	EI Chayal	32839	6147	836	582	5743	31	149	159	98	10	607	0.937106918	0.101340763
T0083 5A	2/14/11	JM	Group 1	EI Chayal	29538	5918	777	546	5679	28	175	181	123	24	562	0.966850829	0.096143687
T0083 5B	2/14/11	JM	Group 1	EI Chayal	52194	5370	643	571	5849	36	183	202	125	27	684	0.905940594	0.097623525
T0083 5C	2/14/11	JM	Group 1	EI Chayal	30773	5673	699	584	5764	39	196	206	139	34	654	0.951456311	0.101318529
T0083 5D	2/14/11	JM	Group 1	EI Chayal	30501	5669	863	563	5713	36	168	175	114	21	522	0.96	0.098547173
T0083 5E	2/14/11	JM	Group 1	EI Chayal	31139	5405	620	571	5585	39	171	185	122	21	696	0.924324324	0.102238138
T0083 5F	2/14/11	JM	Group 1	EI Chayal	30330	5558	712	562	5688	29	166	178	117	22	613	0.93258427	0.098804501
T0083 5G	2/14/11	JM	Group 1	EI Chayal	30553	5636	675	570	5612	41	164	166	116	18	667	0.987951807	0.101568068
T0083 5H	2/14/11	JM	Group 1	EI Chayal	27922	5582	622	549	5435	33	157	163	107	15	650	0.963190184	0.10101196
T0083 5I	2/14/11	JM	Group 1	EI Chayal	30162	6534	690	554	5698	34	164	168	114	15	661	0.976190476	0.097227097
T0083 5J	2/14/11	JM	Group 1	EI Chayal	32464	5634	808	576	5815	36	160	175	109	17	654	0.914285714	0.09905417
T0083 6A	2/14/11	JM	Group 1	EI Chayal	31665	5505	793	555	5687	42	184	189	124	21	641	0.973544974	0.097590997
T0083 6B	2/14/11	JM	Group 1	EI Chayal	30245	5952	659	557	5785	35	175	190	122	21	697	0.921052632	0.096283492
T0083 6C	2/14/11	JM	Group 1	EI Chayal	33908	6232	838	616	6199	36	223	229	151	32	664	0.973799127	0.099370866
T0083 6D	2/14/11	JM	Group 1	EI Chayal	33244	6517	650	602	5990	25	175	180	116	15	755	0.972222222	0.100500835
T0083 6E	2/14/11	JM	Group 1	EI Chayal	29778	5845	678	566	5545	28	152	160	102	13	596	0.95	0.10207394
T0083 6F	2/14/11	JM	Group 1	EI Chayal	31541	27376	729	593	5978	41	171	175	121	17	627	0.977142857	0.099197056
T0083 6G	2/14/11	JM	Group 1	EI Chayal	32744	6667	878	599	5896	39	175	195	124	22	563	0.897435897	0.101594301
T0083 6H	2/14/11	JM	Group 1	EI Chayal	32799	6499	736	586	5863	48	197	209	139	28	705	0.942583732	0.099948832
T0083 6I	2/14/11	JM	Group 1	EI Chayal	29275	6797	684	547	5389	32	144	142	94	8	659	1.014084507	0.101503062

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T0083 6J	2/14/11	JM	Group 1	EI Chayal	30050	6568	691	582	5660	39	169	189	123	19	696	0.894179894	0.102826855
T0084	11/11/10	JM	Group 1	EI Chayal	31343	6985	691	570	5658	35	144	155	89	12	625	0.929032258	0.100742312
T0085	11/4/10	JM	Group 1	EI Chayal	30272	6422	687	525	5634	28	138	145	97		628	0.951724138	0.093184239
T0086 0	11/18/10	JM	Group 1	EI Chayal	31933	5850	707	597	5788	29	153	161	105	13	640	0.950310559	0.103144437
T0086 A	11/18/10	JM	Group 1	EI Chayal	32983	7146	681	601	5932	36	145	154	101	9	707	0.941558442	0.101314902
T0086 B	11/18/10	JM	Group 1	EI Chayal	32169	7225	672	556	5697	35	148	163	98	13	721	0.90797546	0.097595226
T0086 C	11/18/10	JM	Group 1	EI Chayal	30721	7996	591	555	5555	41	145	159	101	12	705	0.911949686	0.099909991
T0086 D	11/18/10	JM	Group 1	EI Chayal	29975	6628	568	557	5667	31	145	156	98	12	665	0.929487179	0.098288336
T0086 E	11/18/10	JM	Group 1	EI Chayal	30670	7369	695	566	5642	41	141	156	97	9	645	0.903846154	0.100319036
T0086 F	11/18/10	JM	Group 1	EI Chayal	30242	6417	986	564	5643	425	148	149	96	6	2793	0.993288591	0.099946837
T0086 G	11/18/10	JM	Group 1	EI Chayal	32570	6810	673	570	5777	35	150	158	101	9	754	0.949367089	0.098667128
T0086 H	11/18/10	JM	Group 1	EI Chayal	31058	6010	737	570	5575	39	146	151	98	10	660	0.966887417	0.102242152
T0086 I	11/18/10	JM	Group 1	EI Chayal	30596	7910	735	552	5734	32	157	162	105	12	662	0.969135802	0.096267876
T0086 J	11/18/10	JM	Group 1	EI Chayal	32559	11749	724	609	5786	37	150	158	101	10	625	0.949367089	0.105254062
T0086 K	11/18/10	JM	Group 1	EI Chayal	30410	7569	637	541	5615	37	154	157	100	12	697	0.98089172	0.096349065
T0086 L	11/18/10	JM	Group 1	EI Chayal	30052	8423	723	536	5631	42	163	174	121	22	616	0.936781609	0.095187356
T0086 M	11/18/10	JM	Group 1	EI Chayal	31774	8602	759	592	5843	40	154	171	110	13	633	0.900584795	0.101317816
T0086 N	11/18/10	JM	Group 1	EI Chayal	31688	10176	723	580	5863	42	182	191	124	24	628	0.952879581	0.098925465
T0086 P	11/18/10	JM	Group 1	EI Chayal	29121	6619	536	548	5351		125	121	82		692	1.033057851	0.102410764
T0087 1A	2/16/11	CK	Group 1	EI Chayal	28547	11031	625	523	5564	29	170	180	118	23	690	0.944444444	0.093997124
T0087 1B	2/16/11	CK	Group 1	EI Chayal	30437	5783	670	594	5686	34	183	209	132	27	747	0.875598086	0.104467112
T0087 1C	2/16/11	CK	Group 1	EI Chayal	31273	11014	656	598	6326	50	201	211	139	27	821	0.952606635	0.094530509
T0087 1D	2/16/11	CK	Group 1	EI Chayal	28156	9425	779	561	5776	43	172	172	121	22	618	1	0.097126039
T0087 1E	2/16/11	CK	Group 1	EI Chayal	30169	6478	711	568	5434	37	145	160	97	12	549	0.90625	0.104527052
T0087 1F	2/16/11	CK	Group 1	EI Chayal	31419	5709	747	606	5723	36	167	173	118	18	612	0.965317919	0.10588852
T0087 1G	2/16/11	CK	Group 1	EI Chayal	29646	6183	721	545	5693	42	180	183	125	23	671	0.983606557	0.0957316
T0087 1H	2/16/11	CK	Group 1	EI Chayal	28101	8160	653	546	5576	31	150	158	101	12	573	0.949367089	0.097919656
T0087 1I	2/16/11	CK	Group 1	EI Chayal	30289	5465	629	526	5534	32	166	180	123	20	679	0.922222222	0.095048789
T0087 1J	2/16/11	CK	Group 1	EI Chayal	29899	7160	639	574	5812	46	163	172	107	17	743	0.947674419	0.098761184
T0087 2A	2/16/11	CK	Group 1	EI Chayal	28846	7602	667	547	5557	24	138	148	94	10	591	0.932432432	0.098434407
T0087 2B	2/16/11	CK	Group 1	EI Chayal	27037	5906	704	518	5431	37	172	190	120	21	559	0.905263158	0.095378383
T0087 2C	2/16/11	CK	Group 1	EI Chayal	29270	10448	725	553	5759	39	182	186	131	24	577	0.978494624	0.096023615
T0087 2D	2/16/11	CK	Group 1	EI Chayal	28586	5933	549	541	5401	27	138	155	94	11	701	0.890322581	0.100166636
T0087 2E	2/16/11	CK	Group 1	EI Chayal	38838	5676	773	554	5508	23	155	172	109	15	516	0.901162791	0.100580973
T0087 2F	2/16/11	CK	Group 1	EI Chayal	29843	7108	597	569	5598	37	168	182	123	19	614	0.923076923	0.101643444
T0087 2G	2/16/11	CK	Group 1	EI Chayal	29355	5382	582	554	5535	33	157	167	107	15	718	0.94011976	0.100090334
T0087 2H	2/16/11	CK	Group 1	EI Chayal	32076	7029	728	638	5989	44	219	220	152	38	718	0.995454545	0.106528636
T0087 2I	2/16/11	CK	Group 1	EI Chayal	29978	6275	734	602	5805	39	200	215	137	32	593	0.930232558	0.103703704
T0087 2J	2/16/11	CK	Group 1	EI Chayal	37204	10673	892	695	7029	61	234	250	168	45	776	0.936	0.098876085
T0087 2K	2/16/11	CK	Group 1	EI Chayal	36843	13283	943	686	7404	64	236	253	163	38	723	0.932806324	0.09265262
T0087 3A	2/16/11	CK	Group 1	EI Chayal	30603	6370	768	560	5562	32	161	172	109	15	664	0.936046512	0.100683207
T0087 3B	2/16/11	CK	Group 1	EI Chayal	29288	5917	534	530	5541	31	180	182	122	23	786	0.989010989	0.095650605
T0087 3C	2/16/11	CK	Group 1	EI Chayal	27079	5050	620	528	5311	28	130	145	88	8	558	0.896551724	0.099416306
T0087 3D	2/16/11	CK	Group 1	EI Chayal	28862	5601	777	539	5444	24	152	153	107	11	495	0.993464052	0.099008082
T0087 3E	2/16/11	CK	Group 1	EI Chayal	28235	5941	554	567	5374	32	137	150	99	9	674	0.913333333	0.105508001
T0087 3F	2/16/11	CK	Group 1	EI Chayal	28892	5884	693	543	5402	31	139	158	106	14	639	0.879746835	0.100518327
T0087 3G	2/16/11	CK	Group 1	EI Chayal	29225	11466	715	528	5507	36	194	202	139	27	648	0.96039604	0.095877973

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T0087 3H	2/16/11	CK	Group 1	EI Chayal	28194	11384	656	540	5655	34	155	168	105	15	671	0.922619048	0.095490716
T0087 3I	2/16/11	CK	Group 1	EI Chayal	30685	5404	711	581	5751	31	168	173	124	16	650	0.971098266	0.101025909
T0087 3J	2/16/11	CK	Group 1	EI Chayal	29373	9117	807	543	5478	38	157	154	108	13	518	1.019480519	0.099123768
T0087 4A	2/16/11	CK	Group 1	EI Chayal	27150	5353	572	512	5140	31	134	143	90		666	0.937062937	0.099610895
T0087 4B	2/16/11	CK	Group 1	EI Chayal	30465	5224	729	567	5606	34	184	181	125	18	678	1.016574586	0.101141634
T0087 4C	2/16/11	CK	Group 1	EI Chayal	28101	6932	727	578	5521	23	159	154	110	18	587	1.032467532	0.104691179
T0087 4D	2/16/11	CK	Group 1	EI Chayal	28796	10738	607	548	5559	38	159	166	113	15	613	0.957831325	0.098578881
T0087 4E	2/16/11	CK	Group 1	EI Chayal	30074	5915	530	548	5603	35	145	149	99	12	786	0.973154362	0.097804747
T0087 4F	2/16/11	CK	Group 1	EI Chayal	26611	5518	572	472	5152	21	131	138	96		595	0.949275362	0.091614907
T0087 4G	2/16/11	CK	Group 1	EI Chayal	30200	6207	612	558	5631	37	140	149	90	8	685	0.939597315	0.099094299
T0087 4H	2/16/11	CK	Group 1	EI Chayal	29848	5577	755	566	5648	34	166	182	126	17	620	0.912087912	0.100212465
T0087 4I	2/16/11	CK	Group 1	EI Chayal	32791	7261	709	597	6039	46	192	211	138	27	792	0.909952607	0.098857427
T0087 4J	2/16/11	CK	Group 1	EI Chayal	29799	6015	513	533	5549	28	157	164	106	14	740	0.957317073	0.096053343
T0087 4K	2/16/11	CK	Group 1	EI Chayal	30980	7078	652	552	5709	34	181	191	130	26	698	0.947643979	0.096689438
T0088 A	10/6/10	CK	Group 1	EI Chayal	29414	5678	543	522	5421	37	130	144	88	6	715	0.902777778	0.096292197
T0088 B	10/6/10	CK	Group 1	EI Chayal	30709	5822	758	592	5587	33	138	145	89	7	694	0.951724138	0.105960265
T0088 C	10/6/10	CK	Group 1	EI Chayal	29635	9428	607	556	5410	33	132	143	90	6	701	0.923076923	0.102772643
T0089 A	10/8/10	JM	Group 1	EI Chayal	29544	5656	641	536	5518	34	139	151	98	8	612	0.920529801	0.097136644
T0089 B	10/8/10	JM	Group 1	EI Chayal	29995	5387	695	551	5525	30	135	144	94	7	565	0.9375	0.099728507
T0089 C	10/8/10	JM	Group 1	EI Chayal	30379	5654	752	566	5544	35	132	150	93	7	595	0.88	0.102092352
T0089 D	10/8/10	JM	Group 1	EI Chayal	31292	5796	685	550	5573	29	136	145	95	7	611	0.937931034	0.098690113
T0090 A	10/8/10	JM	Group 1	EI Chayal	30031	5667	704	535	5549	35	132	146	91		622	0.904109589	0.096413768
T0090 B	10/8/10	JM	Group 1	EI Chayal	29548	5463	594	548	5566	28	139	155	97	9	653	0.896774194	0.098454905
T0090 C	10/8/10	JM	Group 1	EI Chayal	31914	5572	750	536	5571	42	150	159	100	9	628	0.943396226	0.096212529
T0091	10/6/10	CK	Group 4	Pachuca	34297	1127	1055	1008	15815	193	197	3	915	73	219	65.66666667	0.063736959
T0092	10/8/10	JM	Group 1	EI Chayal	30740	5858	642	569	5657	29	160	168	113	15	629	0.952380952	0.100583348
T0092 A	10/6/10	CK	Group 1	EI Chayal	31253	9626	777	578	5716	32	134	149	93	7	622	0.899328859	0.101119664
T0092 B	10/6/10	CK	Group 1	EI Chayal	29192	5593	608	537	5332	28	138	144	93	7	586	0.958333333	0.100712678
T0093	10/8/10	JM	Group 1	EI Chayal	35474	7583	681	566	5378	32	141	148	94	6	568	0.952702703	0.105243585
T0094	11/11/10	JM	Group 1	EI Chayal	29081	7406	688	537	5268	32	133	148	89	5	612	0.898648649	0.101936219
T0095A	11/10/10	CK	Group 1	EI Chayal	30157	7855	706	554	5542	26	136	152	97	8	647	0.894736842	0.099963912
T0095B	11/10/10	CK	Group 1	EI Chayal	29703	8907	641	536	5622	46	151	151	99	5	692	1	0.095339737
T0095C	11/10/10	CK	Group 1	EI Chayal	28649	7032	691	544	5195	21	141	146	89	7	605	0.965753425	0.104716073
T0095D	11/10/10	CK	Group 1	EI Chayal	30324	8071	659	564	5573	35	142	155	94	9	670	0.916129032	0.101202225
T0095E	11/10/10	CK	Group 1	EI Chayal	31550	7875	734	574	5491	38	160	166	107	11	627	0.963855422	0.104534693
T0096	11/11/10	JM	Group 1	EI Chayal	30505	6742	639	552	5580	54	139	140	90	9	653	0.992857143	0.098924731
T0097 0	1/24/11	JM	Group 1	EI Chayal	29069	5369	556	538	5445	27	142	148	101	10	680	0.959459459	0.098806244
T0097 A	1/24/11	JM	Group 1	EI Chayal	30278	5260	684	560	5452	27	137	146	89	9	624	0.938356164	0.1027146
T0097 B	1/24/11	JM	Group 1	EI Chayal	30227	5876	547	535	5318	28	137	150	97	5	686	0.913333333	0.10060173
T0097 C	1/24/11	JM	Group 1	EI Chayal	31193	6260	658	570	5565	35	149	158	99	9	669	0.943037975	0.102425876
T0097 D	1/24/11	JM	Group 1	EI Chayal	30440	5483	758	580	5604	27	143	150	94	9	615	0.953333333	0.103497502
T0097 E	1/24/11	JM	Group 1	EI Chayal	31603	6081	765	597	5858	21	135	133	83		519	1.015037594	0.101911915
T0097 F	1/24/11	JM	Group 1	EI Chayal	27192	5000	615	530	5235	24	134	136	89	7	634	0.985294118	0.101241643
T0097 G	1/24/11	JM	Group 1	EI Chayal	29262	6680	629	552	5406	39	139	143	94	9	641	0.972027972	0.102108768
T0097 H	1/24/11	JM	Group 1	EI Chayal	26820	4977	585	529	5100	23	131	132	89	7	509	0.992424242	0.10372549
T0097 I	1/24/11	JM	Group 1	EI Chayal	29947	5144	666	550	5418	24	142	146	92	9	614	0.97260274	0.101513474
T0097 J	1/24/11	JM	Group 1	EI Chayal	28912	5117	609	525	5221	34	135	145	89	7	606	0.931034483	0.100555449

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T0097 K	1/24/11	JM	Group 1	EI Chayal	28949	5832	589	551	5354	32	130	137	87	8	624	0.948905109	0.102913709
T0097 L	1/24/11	JM	Group 1	EI Chayal	29880	4977	622	536	5398	31	132	143	90	8	675	0.923076923	0.099296036
T0097 M	1/24/11	JM	Group 1	EI Chayal	30430	5859	680	546	5516	31	141	150	96	9	648	0.94	0.098984772
T0097 N	1/24/11	JM	Group 1	EI Chayal	29863	6161	613	566	5446	38	140	147	95	10	655	0.952380952	0.10392949
T0097 P	1/24/11	JM	Group 1	EI Chayal	31537	5542	678	541	5520	37	149	157	103	9	636	0.949044586	0.098007246
T0097 Q	1/24/11	JM	Group 1	EI Chayal	31364	5629	723	555	5537	42	152	152	94		615	1	0.100234784
T0098A	11/4/10	JM	Group 1	EI Chayal	29618	5213	591	542	5482	32	139	148	95	10	708	0.939189189	0.098869026
T0098B	11/4/10	JM	Group 1	EI Chayal	28393	5047	673	540	5267	26	142	142	95	8	602	1	0.102525157
T0098C	11/4/10	JM	Group 1	EI Chayal	29755	4765	475	485	4593	22	150	147	84	9	570	1.020408163	0.105595471
T0099 A	11/11/10	JM	Group 1	EI Chayal	31124	6708	656	579	5713	282	149	151	100	8	643	0.986754967	0.101347803
T0099 B	11/11/10	JM	Group 1	EI Chayal	30736	6256	716	562	5647	49	145	149	89	9	593	0.973154362	0.09952187
T0100	11/4/10	JM	Group 2	San Martin	29899	7156	572	468	6036	31	102	177	97	6	792	0.576271186	0.077534791
T0101 A	11/11/10	JM	Group 1	EI Chayal	29777	6400	612	539	5512	28	142	146	97	9	649	0.97260274	0.097786647
T0101 B	11/11/10	JM	Group 1	EI Chayal	30276	5286	636	544	5458	28	134	142	91	6	654	0.943661972	0.099670209
T0101 C	11/11/10	JM	Group 1	EI Chayal	28874	6108	683	538	5308	29	148	157	99	14	600	0.942675159	0.101356443
T0101 D	11/11/10	JM	Group 1	EI Chayal	31150	7829	643	561	5680	33	142	157	99	10	712	0.904458599	0.098767606
T0101 E	11/11/10	JM	Group 1	EI Chayal	31451	17530	629	575	5807	44	171	178	114	16	726	0.960674157	0.099018426
T0101 F	11/11/10	JM	Group 1	EI Chayal	32444	8877	754	568	5855	33	171	174	107	17	595	0.982758621	0.097011102
T0101 G	11/11/10	JM	Group 1	EI Chayal	32615	6291	666	585	5666	33	153	169	105	13	729	0.905325444	0.103247441
T0101 H	11/11/10	JM	Group 1	EI Chayal	32899	7212	840	557	5950	29	149	154	92	10	566	0.967532468	0.093613445
T0102	11/11/10	JM	Group 1	EI Chayal	29344	5876	628	542	5250	33	143	143	93	10	650	1	0.103238095
T0103 O	12/1/10	CK	Group 1	EI Chayal	31446	5721	636	576	5687	38	159	178	107	17	714	0.893258427	0.101283629
T0103 A	12/1/10	CK	Group 1	EI Chayal	28982	5473	670	549	5549	28	152	146	101	14	557	1.04109589	0.098936745
T0103 B	12/1/10	CK	Group 1	EI Chayal	32502	5531	555	534	4949	32	172	165	96	15	604	1.042424242	0.107900586
T0103 C	12/1/10	CK	Group 1	EI Chayal	29972	5960	758	550	5497	38	153	168	108	13	567	0.910714286	0.100054575
T0103 D	12/1/10	CK	Group 1	EI Chayal	31352	5619	468	517	4785	30	176	171	101	15	666	1.029239766	0.108045977
T0103 E	12/1/10	CK	Group 1	EI Chayal	30803	7257	713	574	5634	38	166	185	119	21	635	0.897297297	0.101881434
T0103 F	12/1/10	CK	Group 1	EI Chayal	32353	6691	783	609	5937	52	200	207	143	30	597	0.966183575	0.102577059
T0103 G	12/1/10	CK	Group 1	EI Chayal	31854	6181	536	532	4728	41	194	190	115	26	566	1.021052632	0.112521151
T0103 H	12/1/10	CK	Group 1	EI Chayal	31209	6099	628	583	5625	44	186	202	131	23	720	0.920792079	0.103644444
T0103 I	12/1/10	CK	Group 1	EI Chayal	31052	6161	507	497	4909	38	180	177	111	16	668	1.016949153	0.101242616
T0103 J	12/1/10	CK	Group 1	EI Chayal	31183	6390	646	587	5712	47	209	212	144	26	720	0.985849057	0.102766106
T0103 K	12/1/10	CK	Group 1	EI Chayal	29344	5993	711	582	5527	34	160	170	114	17	552	0.941176471	0.105301248
T0103 L	12/1/10	CK	Group 1	EI Chayal	32107	6106	632	559	5954	36	196	199	134	27	725	0.984924623	0.093886463
T0103 M	12/1/10	CK	Group 1	EI Chayal	30800	7296	678	550	5663	37	189	182	117	25	644	1.038461538	0.097121667
T0103 N	12/1/10	CK	Group 1	EI Chayal	31118	7329	699	577	5874	44	189	197	126	24	677	0.959390863	0.098229486
T0103 P	12/1/10	CK	Group 1	EI Chayal	33167	6537	741	637	6089	58	229	243	166	38	682	0.942386831	0.104614879
T0103 Q	12/1/10	CK	Group 1	EI Chayal	31178	7129	739	566	5751	57	209	219	141	28	595	0.9543379	0.098417666
T0103 R	12/1/10	CK	Group 1	EI Chayal	32609	7747	715	580	5714	45	202	210	140	27	741	0.961904762	0.101505075
T0103 S	12/1/10	CK	Group 1	EI Chayal	32936	6643	801	579	5858	45	198	205	135	25	638	0.965853659	0.098839194
T0103 T	12/1/10	CK	Group 1	EI Chayal	30067	6507	692	549	5470	52	163	175	114	14	647	0.931428571	0.100365631
T0103 U	12/1/10	CK	Group 1	EI Chayal	31756	7128	490	557	4967	34	184	184	103	23	621	1	0.112140125
T0103 V	12/1/10	CK	Group 1	EI Chayal	30530	11838	677	571	5599	49	198	211	138	26	656	0.938388626	0.101982497
T0103 W	12/1/10	CK	Group 1	EI Chayal	31906	8209	687	581	5833	38	171	194	120	22	667	0.881443299	0.099605692
T0104 A	11/11/10	JM	Group 1	EI Chayal	31105	6792	733	560	5589	37	144	157	98	10	573	0.917197452	0.100196815
T0104 B	11/11/10	JM	Group 1	EI Chayal	29421	5907	626	547	5367	109	136	146	88	6	623	0.931506849	0.101919135
T0105 A	11/18/10	JM	Group 1	EI Chayal	29688	5538	733	542	5503	32	152	156	97	7	589	0.974358974	0.098491732

Supplemental Table 1. Elemental Concentrations in Obsidian Artifacts from Tikal, Guatemala, as Determined by pXRF. Concentrations are in ppm.

T0105 B	11/18/10	JM	Group 1	El Chayal	28987	6750	706	542	5560	29	152	164	103	11	528	0.926829268	0.097482014
T0105 C	11/18/10	JM	Group 1	El Chayal	28981	6315	577	541	5469	28	157	162	111	11	746	0.969135802	0.098921192
T0105 D	11/18/10	JM	Group 1	El Chayal	28946	6067	663	530	5409	30	154	154	110	14	649	1	0.09798484
T0105 E	11/18/10	JM	Group 1	El Chayal	40081	9630	854	727	7114	41	214	214	132	22	952	1	0.102192859
T0105 F	11/18/10	JM	Group 1	El Chayal	39732	8033	900	662	5872		155	144	66		650	1.076388889	0.11273842
T0105 G	11/18/10	JM	Group 1	El Chayal	35816	7039	745	622	6067	40	178	192	118	22	739	0.927083333	0.102521839
T0105 H	11/18/10	JM	Group 1	El Chayal	32241	7378	691	596	5972	43	190	190	126	25	715	1	0.099799062
T0105 I	11/18/10	JM	Group 1	El Chayal	35698	9794	783	646	6395	52	215	229	137	29	752	0.938864629	0.101016419
T0105 J	11/18/10	JM	Group 1	El Chayal	32751	7457	564	597	6050	37	175	190	128	14	735	0.921052632	0.098677686
T0106 A	11/11/10	JM	Group 1	El Chayal	31118	5654	719	563	5483	29	140	145	97	9	601	0.965517241	0.102681014
T0106 B	11/11/10	JM	Group 1	El Chayal	30485	5721	647	548	5554	30	161	172	113	18	672	0.936046512	0.098667627
T0107	11/11/10	JM	Group 1	El Chayal	32316	5940	700	596	5793	37	166	172	114	16	721	0.965116279	0.10288279
T0108 A	2/21/11	JM	Group 1	El Chayal	30262	13987	637	506	5350	36	168	176	120	18	645	0.954545455	0.094579439
T0108 B	2/21/11	JM	Group 1	El Chayal	28461	7984	947	553	5803		170	178	115	17	416	0.95505618	0.095295537
T0108 C	2/21/11	JM	Group 1	El Chayal	34837	8524	709	654	6319	44	207	220	147	31	750	0.940909091	0.103497389
T0108 D	2/21/11	JM	Group 1	El Chayal	32888	6392	738	602	6153	45	219	219	147	32	766	1	0.097838453
T0108 E	2/21/11	JM	Group 1	El Chayal	36194	9159	833	635	6759		214	231	153	37	667	0.926406926	0.093948809
T0108 F	2/21/11	JM	Group 1	El Chayal	36972	8838	825	651	7034		188	187	129	33	696	1.005347594	0.092550469
T0108 G	2/21/11	JM	Group 1	El Chayal	36789	8389	725	671	6746	32	207	219	149	27	864	0.945205479	0.09946635
T0109	11/11/10	JM	Group 1	El Chayal	29699	5358	629	549	5488	31	139	140	92	6	650	0.992857143	0.100036443
T0110	11/4/10	JM	Group 1	El Chayal	30693	5257	605	560	5607	39	168	181	111	20	700	0.928176796	0.099875156
T0111	12/2/10	JM	Group 1	El Chayal	29504	5231	592	559	5507	27	141	150	101	10	602	0.94	0.101507173
T0112 A	11/11/10	JM	Group 1	El Chayal	28966	6230	523	536	5474	32	174	179	118	18	715	0.972067039	0.097917428
T0112 B	11/11/10	JM	Group 1	El Chayal	24828	6393	892	517	4952	661	141	151	94	8	3891	0.933774834	0.104402262
T0113	11/18/10	JM	Group 1	El Chayal	31404	9319	616	582	5589	29	139	145	95	6	803	0.95862069	0.104133119
T0114 A	10/6/10	CK	Group 1	El Chayal	30566	6090	588	594	5593	38	162	173	111	14	674	0.936416185	0.106204184
T0114 B	10/6/10	CK	Group 1	El Chayal	29576	14396	710	561	5448	36	177	166	113	17	561	1.06626506	0.102973568
T0115A	11/4/10	JM	Group 1	El Chayal	29899	5700	687	548	5496	27	158	171	110	16	623	0.923976608	0.099708879
T0115B	11/4/10	JM	Group 1	El Chayal	30943	10155	737	563	5587	32	159	161	103	13	564	0.98757764	0.100769644
T0116 A	11/18/10	JM	Group 1	El Chayal	28838	17098	606	544	5565	41	153	164	108	13	688	0.932926829	0.097753819
T0116 B	11/18/10	JM	Group 1	El Chayal	36501	14133	895	722	6727	28	211	220	143	23	778	0.959090909	0.107328675
T0117	11/11/10	JM	Group 1	El Chayal	30399	7929	575	538	5444	34	138	146	92	9	634	0.945205479	0.098824394
T0118A	11/4/10	JM	Group 13	ingo/Rancho Tr	38188	5534	920	396	18650	199	151	13	750	49	902	11.61538462	0.021233244
T0118B	11/4/10	JM	Group 13	ingo/Rancho Tr	39000	4911	934	387	19184	233	164	23	831	53	925	7.130434783	0.020173061
T0118C	11/4/10	JM	Group 13	ingo/Rancho Tr	38014	5442	1029	416	19136	259	173	23	852	64	953	7.52173913	0.02173913
T0119A	11/4/10	JM	Group 1	El Chayal	29920	5456	678	543	5508	30	131	148	89	7	599	0.885135135	0.098583878
T0119B	11/4/10	JM	Group 1	El Chayal	31148	8003	718	555	5615	36	154	160	104	14	621	0.9625	0.098842386
T0119C	11/4/10	JM	Group 1	El Chayal	30768	5672	568	548	5534	29	140	152	102	9	754	0.921052632	0.099024214
T0119D	11/4/10	JM	Group 1	El Chayal	28003	6086	662	530	5520	27	151	160	102	16	599	0.94375	0.096014493
T0119E	11/4/10	JM	Group 2	San Martin	29517	9951	710	450	5830	29	119	194	107	11	721	0.613402062	0.077186964
T0119F	11/4/10	JM	Group 9	known not Teq	33741	7372	660	258	11402	59	155	140	184	21	642	1.103571429	0.022627609
T0119G	11/4/10	JM	Group 6	Otumba	38142	8223	927	435	9728	51	176	181	180	27	728	0.972375691	0.044716283
T0119H	11/4/10	JM	Group 1	El Chayal	34989	5912	692	615	6163	29	190	200	140	24	725	0.95	0.099789064
T0119I	11/4/10	JM	Group 1	El Chayal	31898	6277	695	568	5756	42	188	190	125	24	675	0.989473684	0.098679639
T0119J	11/4/10	JM	Group 1	El Chayal	30217	10463	743	561	5613	25	151	154	102	10	644	0.980519481	0.099946553
T0120	11/4/10	JM	Group 1	El Chayal	29527	5352	742	550	5474	29	141	150	96	8	558	0.94	0.100474973
T0121 A	11/18/10	JM	Group 1	El Chayal	30623	5817	684	558	5413	30	159	167	107	17	608	0.952095808	0.103085165

**Supplemental Table 1. Elemental Concentrations in Obsidian Artifacts from Tikal, Guatemala, as Determined by pXRF. Concentrations are in ppm.**

T0121 B	11/18/10	JM	Group 1	EI Chayal	32161	6658	695	582	5759	39	180	181	121	22	596	0.994475138	0.101059212
T0121 C	11/18/10	JM	Group 1	EI Chayal	30148	7705	625	561	5615	33	168	172	116	18	666	0.976744186	0.099910953
T0121 D	11/18/10	JM	Group 1	EI Chayal	32763	6844	685	576	5771	40	181	182	122	19	667	0.994505495	0.099809392
T0121 E	11/18/10	JM	Group 1	EI Chayal	33101	6673	625	620	5946	46	194	213	131	29	751	0.910798122	0.104271779
T0121 F	11/18/10	JM	Group 1	EI Chayal	29322	6613	654	541	5592	37	162	171	109	22	646	0.947368421	0.096745351
T0121 G	11/18/10	JM	Group 1	EI Chayal	31613	5955	694	585	5818	37	163	171	107	13	648	0.953216374	0.100550017
T0121 H	11/18/10	JM	Group 1	EI Chayal	31605	6116	674	573	5762	48	186	196	129	30	649	0.948979592	0.099444637
T0121 I	11/18/10	JM	Group 1	EI Chayal	30878	5999	695	562	5609	39	181	180	123	22	692	1.005555556	0.100196113
T0121 J	11/18/10	JM	Group 1	EI Chayal	32340	6494	664	618	6026	37	178	187	122	21	721	0.951871658	0.102555592
T0121 K	11/18/10	JM	Group 1	EI Chayal	34059	7356	734	609	6141	43	194	207	134	23	699	0.937198068	0.099169516
T0121 L	11/18/10	JM	Group 1	EI Chayal	34025	6878	643	623	6016	58	220	229	142	35	753	0.96069869	0.103557181
T0121 M	11/18/10	JM	Group 1	EI Chayal	35166	7940	792	650	6186	38	186	193	124	23	681	0.96373057	0.105075978
T0122 0(*)	11/18/10	JM	Group 1	EI Chayal	35057	6616	796	607	6427	60	228	244	158	36	752	0.93442623	0.094445309
T0122 A	11/18/10	JM	Group 1	EI Chayal	28845	5567	597	565	5418	25	158	160	103	15	663	0.9875	0.104282023
T0122 B	11/18/10	JM	Group 1	EI Chayal	31340	6394	627	561	5547	44	183	197	129	23	647	0.92893401	0.101135749
T0122 C	11/18/10	JM	Group 1	EI Chayal	33044	6226	608	597	5898	40	191	190	120	22	727	1.005263158	0.101220753
T0122 D	11/18/10	JM	Group 1	EI Chayal	31370	6533	701	561	5645	45	168	188	118	19	640	0.893617021	0.099379982
T0122 E	11/18/10	JM	Group 1	EI Chayal	30809	5834	634	560	5455	44	175	179	123	23	637	0.977653631	0.102658112
T0122 F	11/18/10	JM	Group 1	EI Chayal	30415	6686	631	552	5642	40	174	174	115	19	639	1	0.097837646
T0122 G	11/18/10	JM	Group 1	EI Chayal	32618	6419	806	589	5940	34	184	183	130	25	613	1.005464481	0.099158249
T0122 H	11/18/10	JM	Group 1	EI Chayal	31271	6310	655	589	5749	52	200	205	130	27	729	0.975609756	0.1024526
T0122 I	11/18/10	JM	Group 1	EI Chayal	30746	6212	627	557	5521	40	169	188	115	20	690	0.89893617	0.10088752
T0122 J	11/18/10	JM	Group 1	EI Chayal	31510	8686	657	558	5613	36	163	169	110	14	704	0.964497041	0.099412079
T0122 K	11/18/10	JM	Group 1	EI Chayal	31486	6997	734	565	5745	37	154	168	103	14	652	0.916666667	0.098346388
T0122 L	11/18/10	JM	Group 1	EI Chayal	30948	5961	623	569	5757	33	169	184	113	16	712	0.918478261	0.098836199
T0122 M	11/18/10	JM	Group 1	EI Chayal	30870	6076	634	574	5478	30	145	161	102	9	665	0.900621118	0.104782767
T0122 N	11/18/10	JM	Group 1	EI Chayal	32445	6128	692	585	5717	39	173	185	124	17	694	0.935135135	0.102326395
T0122 P	11/18/10	JM	Group 1	EI Chayal	34254	6225	596	605	5859	30	162	174	109	12	775	0.931034483	0.103259942
T0123	11/11/10	JM	Group 1	EI Chayal	31939	7551	597	579	5710	37	157	180	117	19	723	0.872222222	0.101401051
T0124	10/8/10	JM	Group 1	EI Chayal	31402	7450	581	579	5641	32	145	158	102	9	699	0.917721519	0.102641376
T0125 A	10/28/10	JM	Group 2	San Martin	31485	10995	763	477	6282	43	124	218	113	12	728	0.568807339	0.075931232
T0125 B	10/28/10	JM	Group 2	San Martin	34076	10203	798	530	6897	48	143	246	129	17	909	0.581300813	0.076845005
T0126	10/28/10	JM	Group 1	EI Chayal	30088	7488	727	554	5491	39	167	176	114	16	561	0.948863636	0.100892369
T0127	10/8/10	JM	Group 1	EI Chayal	43083	6121	724	584	5784	37	158	166	116	15	634	0.951807229	0.100968188
T0128	10/22/10	JM	Group 1	EI Chayal	28149	5763	552	542	5450	26	147	158	96	13	706	0.930379747	0.099449541
T0129	10/14/10	JM	Group 12	Zacualtipan	41422	4795	1008	156	9466	30	297	37	215	22	396	8.027027027	0.016480034
T0130 A	10/13/10	CK	Group 1	EI Chayal	29809	5878	684	574	5684	36	173	178	117	21	648	0.971910112	0.100985222
T0130 B	10/13/10	CK	Group 1	EI Chayal	28884	5763	615	543	5564	26	160	167	112	16	687	0.958083832	0.097591661
T0130 C	10/13/10	CK	Group 2	San Martin	38268	12408	650	425	5859	25	114	200	101	13	698	0.57	0.072537976
T0131 A	10/28/10	JM	Group 1	EI Chayal	54650	10290	736	551	5446	38	175	168	114	17	532	1.041666667	0.101175174
T0131 B	10/28/10	JM	Group 1	EI Chayal	41452	8919	813	572	5632	44	151	166	106	12	590	0.909638554	0.1015625
T0132	10/8/10	JM	Group 1	EI Chayal	30172	18240	721	547	5656	136	164	187	117	17	558	0.877005348	0.096711457
T0133	10/14/10	JM	Group 1	EI Chayal	31721	5807	608	577	5782	38	165	175	114	17	715	0.942857143	0.099792459
T0134	10/22/10	JM	Group 1	EI Chayal	26881	7762	643	532	5414	39	147	167	101	16	616	0.880239521	0.098263761
T0135	10/13/10	CK	Group 1	EI Chayal	31209	5795	714	547	5501	33	140	151	95	11	630	0.927152318	0.099436466
T0136	10/28/10	JM	Group 1	EI Chayal	28786	6374	612	558	5530	36	165	178	120	16	661	0.926966292	0.100904159
T0137	10/14/10	JM	Group 1	EI Chayal	28611	8000	689	560	5359	28	149	156	104	13	627	0.955128205	0.104497108



**Supplemental Table 1. Elemental Concentrations in Obsidian Artifacts from Tikal, Guatemala, as Determined by pXRF. Concentrations are in ppm.**

T0138	10/14/10	JM	Group 1	El Chayal	57945	6158	625	536	5419	39	168	172	116	19	668	0.976744186	0.098911238
T0139	10/28/10	JM	Group 1	El Chayal	30719	6806	697	546	5428	38	157	164	108	11	595	0.957317073	0.100589536
T0140	10/8/10	JM	Group 1	El Chayal	30651	6424	703	548	5626	39	148	157	101	15	602	0.942675159	0.097404906
T0141 A	10/14/10	JM	Group 1	El Chayal	28051	5077	567	535	5288	27	147	150	96	11	661	0.98	0.101172466
T0141 B	10/14/10	JM	Group 1	El Chayal	30209	5963	706	582	5724	32	150	161	103	14	615	0.931677019	0.101677149
T0142 A	10/14/10	JM	Group 1	El Chayal	30342	5604	628	527	5488	33	153	157	103	16	619	0.974522293	0.096027697
T0142 B	10/14/10	JM	Group 1	El Chayal	29888	5837	683	550	5459	35	150	157	96	10	614	0.955414013	0.100751053
T0142 C	10/14/10	JM	Group 1	El Chayal	29835	6918	551	557	5490	38	158	172	111	20	680	0.918604651	0.101457195
T0143 A	10/8/10	JM	Group 1	El Chayal	32588	6061	744	597	5805	40	153	168	109	13	661	0.910714286	0.102842377
T0143 B	10/8/10	JM	Group 1	El Chayal	31537	6593	703	563	5625	31	164	164	112	17	645	1	0.100088889
T0143 C	10/8/10	JM	Group 1	El Chayal	32732	9036	764	606	6021	34	192	199	133	26	657	0.964824121	0.100647733
T0144 A	10/14/10	JM	Group 1	El Chayal	29369	5782	650	560	5391	35	141	149	95	9	638	0.946308725	0.103876832
T0144 B	10/14/10	JM	Group 1	El Chayal	29013	5663	624	554	5366	27	149	159	100	11	661	0.937106918	0.103242639
T0145 A	10/22/10	JM	Group 1	El Chayal	30805	6817	678	549	5670	41	152	163	107	13	669	0.932515337	0.096825397
T0145 B	10/22/10	JM	Group 1	El Chayal	47910	6384	664	516	5599	33	158	171	114	14	576	0.923976608	0.092159314
T0146 A	10/14/10	JM	Group 1	El Chayal	30122	5904	732	568	5520	27	156	165	111	14	539	0.945454545	0.102898551
T0146 B	10/14/10	JM	Group 1	El Chayal	31419	5903	665	556	5561	34	172	187	126	22	654	0.919786096	0.099982018
T0146 C	10/14/10	JM	Group 1	El Chayal	30907	12024	666	568	5717	38	158	164	105	15	711	0.963414634	0.099352807
T0147	10/8/10	JM	Group 1	El Chayal	29214	6398	628	550	5439	36	149	152	103	14	630	0.980263158	0.10112153
T0148 A	10/8/10	JM	Group 1	El Chayal	30476	5741	671	561	5698	41	166	177	114	18	654	0.937853107	0.098455598
T0148 B	10/8/10	JM	Group 1	El Chayal	51522	6104	565	539	5550	37	171	177	116	16	661	0.966101695	0.097117117
T0149	10/14/10	JM	Group 1	El Chayal	31038	6666	628	563	5697	34	151	159	105	11	637	0.949685535	0.098823942
T0150 A	10/28/10	JM	Group 1	El Chayal	25666	5224	623	518	5262	26	131	143	93	7	633	0.916083916	0.098441657
T0150 B	10/28/10	JM	Group 1	El Chayal	30789	7085	673	555	5534	37	163	177	109	16	656	0.920903955	0.100289122
T0150 C	10/28/10	JM	Group 1	El Chayal	30569	5694	663	538	5535	41	178	181	118	22	630	0.983425414	0.097199639
T0150 D	10/28/10	JM	Group 1	El Chayal	30194	6151	667	560	5614	36	160	182	107	17	636	0.879120879	0.099750623
T0151	10/8/10	JM	Group 1	El Chayal	29398	8742	685	542	5278	41	139	145	96	12	524	0.95862069	0.102690413
T0152 A	10/14/10	JM	Group 1	El Chayal	32000	6560	725	595	5693	36	149	162	100	12	666	0.919753086	0.104514316
T0152 B	10/14/10	JM	Group 1	El Chayal	30831	8691	690	537	5577	40	151	159	107	14	560	0.949685535	0.096288327
T0153 A	10/14/10	JM	Group 1	El Chayal	30854	5874	597	562	5604	33	147	158	106	13	700	0.930379747	0.10028551
T0153 B	10/14/10	JM	Group 1	El Chayal	29566	7315	653	550	5559	33	152	163	109	19	622	0.932515337	0.098938658
T0153 C	10/14/10	JM	Group 1	El Chayal	61806	7403	680	524	5401	41	172	173	110	18	562	0.994219653	0.097019071
T0154	10/8/10	JM	Group 1	El Chayal	29920	6535	647	538	5453	38	154	163	113	15	638	0.944785276	0.098661287
T0155	10/14/10	JM	Group 1	El Chayal	30592	5956	717	574	5730	34	147	152	97	11	584	0.967105263	0.10017452
T0156	10/14/10	JM	Group 1	El Chayal	29917	6582	814	542	5438	36	165	170	116	15	567	0.970588235	0.099668996
T0157	10/14/10	JM	Group 1	El Chayal	28499	10797	748	536	5633	37	140	149	99	9	630	0.939597315	0.095153559
T0158	10/28/10	JM	Group 1	El Chayal	29794	6311	664	563	5597	36	147	157	104	14	599	0.936305732	0.100589602
T0159	10/14/10	JM	Group 1	El Chayal	28145	8030	638	532	5408	47	149	159	103	13	619	0.937106918	0.098372781
T0160	10/28/10	JM	Group 2	San Martin	28089	14108	494	416	5560	23	127	191	81	13	716	0.664921466	0.074820144
T0161	10/14/10	JM	Group 1	El Chayal	30477	7195	722	538	5634	34	165	175	114	18	654	0.942857143	0.095491658
T0162	10/14/10	JM	Group 2	San Martin	31482	8190	699	470	5746	27	111	181	95	5	721	0.613259669	0.081796032
T0163	10/22/10	JM	Group 1	El Chayal	31387	7408	672	581	5618	42	158	172	109	18	669	0.918604651	0.103417586
T0164 A	10/8/10	JM	Group 1	El Chayal	49304	5979	586	553	5459	34	169	184	121	23	663	0.918478261	0.101300605
T0164 B	10/8/10	JM	Group 1	El Chayal	32308	6756	727	567	5869	41	170	184	120	21	670	0.923913043	0.096609303
T0164 C	10/8/10	JM	Group 1	El Chayal	31662	5716	667	567	5537	32	165	170	116	20	640	0.970588235	0.102402023
T0164 D	10/8/10	JM	Group 1	El Chayal	30973	12010	706	583	5798	55	175	187	120	19	670	0.935828877	0.100551914
T0164 E	10/8/10	JM	Group 1	El Chayal	32042	7145	587	596	5819	39	162	170	116	16	805	0.952941176	0.102423097

**Supplemental Table 1. Elemental Concentrations in Obsidian Artifacts from Tikal, Guatemala, as Determined by pXRF. Concentrations are in ppm.**

T0164 F	10/8/10	JM	Group 1	El Chayal	32755	6514	671	575	5751	35	151	166	103	10	619	0.909638554	0.099982612
T0165 A	10/14/10	JM	Group 1	El Chayal	31542	5865	711	582	5708	34	178	182	127	22	627	0.978021978	0.101962158
T0165 B	10/14/10	JM	Group 1	El Chayal	33134	6399	606	590	5944	43	199	217	137	27	703	0.917050691	0.099259758
T0165 C	10/14/10	JM	Group 1	El Chayal	34556	6105	760	609	6146	44	181	196	135	26	682	0.923469388	0.099088838
T0166	10/22/10	JM	Group 1	El Chayal	28316	7263	637	532	5418	30	149	164	107	13	630	0.908536585	0.098191214
T0167	10/22/10	JM	Group 1	El Chayal	30249	9365	694	580	5761	33	169	185	118	21	580	0.913513514	0.100676966
T0168	10/8/10	JM	Group 1	El Chayal	40836	6434	636	535	5130	26	141	152	97	13	546	0.927631579	0.104288499
T0169	10/8/10	JM	Group 1	El Chayal	32149	6244	682	573	5878	40	152	164	104	15	742	0.926829268	0.097482137
T0170	10/28/10	JM	Group 7	Cerro Varal	34630	5137	752	343	6715	31	153	97	137	26	440	1.577319588	0.051079672
T0171	10/8/10	JM	Group 2	San Martin	32124	8181	865	477	6179	38	125	227	117	11	652	0.550660793	0.077196957
T0172 A	10/8/10	JM	Group 1	El Chayal	30150	5289	568	532	5440	24	147	157	103	11	679	0.936305732	0.097794118
T0172 B	10/8/10	JM	Group 1	El Chayal	30922	6484	684	552	5512	24	144	151	98	9	638	0.953642384	0.100145138
T0173 A	10/14/10	JM	Group 1	El Chayal	30657	5493	666	554	5536	37	163	175	115	13	582	0.931428571	0.100072254
T0173 B	10/14/10	JM	Group 2	San Martin	29819	7258	626	443	5989	43	123	220	119	16	812	0.559090909	0.073968943
T0174 A	10/14/10	JM	Group 1	El Chayal	31986	11320	818	566	6080	33	151	165	104	12	627	0.915151515	0.093092105
T0174 A	10/14/10	JM	Group 1	El Chayal	36729	5943	662	559	5477	29	158	163	101	12	611	0.969325153	0.102063173
T0175 A	10/8/10	JM	Group 4	Pachuca	33914	4416	894	973	15349	222	212	3	980	81	287	70.66666667	0.063391752
T0175 B	10/8/10	JM	Group 4	Pachuca	35848	3096	1019	1055	16209	234	231	3	1007	86	286	77	0.065087297
T0175 C	10/8/10	JM	Group 4	Pachuca	34775	1648	1135	1117	16042	251	236	3	1034	89	176	78.66666667	0.069629722
T0175 D	10/8/10	JM	Group 1	El Chayal	31284	9451	737	574	5645	39	151	166	102	10	649	0.909638554	0.101682905
T0175 E	10/8/10	JM	Group 1	El Chayal	32843	6252	805	599	5808	42	176	186	117	21	544	0.946236559	0.103133609
T0175 F	10/8/10	JM	Group 1	El Chayal	31551	8695	671	587	5620	42	158	170	112	14	657	0.929411765	0.104448399
T0175 G	10/8/10	JM	Group 1	El Chayal	29818	5694	667	553	5503	41	160	175	114	18	610	0.914285714	0.100490641
T0175 H	10/8/10	JM	Group 1	El Chayal	32648	6041	717	583	5826	38	164	171	111	19	635	0.959064327	0.100068658
T0175 I	10/8/10	JM	Group 1	El Chayal	32024	6480	717	589	5749	35	167	183	117	19	612	0.912568306	0.1024526
T0175 J	10/8/10	JM	Group 1	El Chayal	30681	6176	565	555	5599	36	154	169	108	15	736	0.911242604	0.099124844
T0175 K	10/8/10	JM	Group 1	El Chayal	31846	6423	684	569	5641	36	162	176	116	16	624	0.920454545	0.100868664
T0175 L	10/8/10	JM	Group 1	El Chayal	51044	5985	609	538	5425	33	168	169	105	15	641	0.99408284	0.099170507
T0175 M	10/8/10	JM	Group 1	El Chayal	31090	5699	677	554	5515	42	167	172	117	16	594	0.970930233	0.100453309
T0177	10/14/10	JM	Group 1	El Chayal	29920	6163	662	558	5601	32	166	170	113	17	699	0.976470588	0.099625067
T0178	10/8/10	JM	Group 1	El Chayal	30328	6334	662	545	5434	26	147	155	95	14	688	0.948387097	0.100294442
T0179 A	10/14/10	JM	Group 2	San Martin	29576	7039	546	460	5994	33	115	200	103	8	845	0.575	0.07674341
T0179 B	10/14/10	JM	Group 1	El Chayal	30353	5351	653	539	5480	35	172	170	113	17	615	1.011764706	0.098357664
T0179 C	10/14/10	JM	Group 1	El Chayal	25914	5965	542	532	5377	39	165	175	113	17	632	0.942857143	0.098939929
T0180	10/8/10	JM	Group 1	El Chayal	28982	5370	623	508	5423	31	142	153	98	10	575	0.928104575	0.093675088
T0181	10/28/10	JM	Group 1	El Chayal	26330	9464	598	533	5361	30	161	173	120	19	633	0.930635838	0.09942175
T0182	10/8/10	JM	Group 4	Pachuca	36404	1258	1151	1071	16705	277	255	3	1091	89	198	85	0.064112541
T0183	10/8/10	JM	Group 1	El Chayal	37071	6182	752	558	5576	27	149	160	98	11	579	0.93125	0.100071736
T0184 A	10/8/10	JM	Group 1	El Chayal	30411	5929	655	541	5512	31	140	152	100	12	631	0.921052632	0.098149492
T0184 B	10/8/10	JM	Group 1	El Chayal	32031	5865	700	577	5771	38	179	190	121	23	662	0.942105263	0.099982672
T0185	10/22/10	JM	Group 1	El Chayal	29704	5534	673	532	5446	34	165	171	111	19	612	0.964912281	0.097686375
T0186	10/8/10	JM	Group 1	El Chayal	29002	5906	591	564	5453	27	136	143	92	9	680	0.951048951	0.103429305
T0187	10/14/10	JM	Group 1	El Chayal	28624	5708	700	544	5373	30	152	156	102	14	523	0.974358974	0.101246976
T0188	10/22/10	JM	Group 1	El Chayal	30238	6300	666	555	5527	34	147	160	99	13	641	0.91875	0.100416139
T0189	10/14/10	JM	Group 2	San Martin	26598	12700	624	424	5780	30	119	212	115	14	707	0.561320755	0.073356401
T0190 A	10/8/10	JM	Group 1	El Chayal	30322	5788	677	556	5419	35	160	172	116	18	574	0.930232558	0.102601956
T0190 B	10/8/10	JM	Group 1	El Chayal	30947	6577	655	576	5661	41	169	184	119	20	685	0.918478261	0.101748808

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T0191	10/28/10	JM	Group 1	EI Chayal	29067	5386	635	527	5217	30	138	149	94	7	628	0.926174497	0.10101591
T0193	10/14/10	JM	Group 1	EI Chayal	45092	5850	739	533	5489	39	153	163	104	13	533	0.938650307	0.097103298
T0194 A	10/28/10	JM	Group 1	EI Chayal	29801	6009	719	537	5411	31	144	159	95	9	595	0.905660377	0.099242284
T0194 B	10/28/10	JM	Group 1	EI Chayal	34334	8212	594	546	5364	28	143	151	101	10	650	0.947019868	0.101789709
T0195	10/14/10	JM	Group 1	EI Chayal	29402	5916	595	544	5490	35	161	173	112	16	636	0.930635838	0.099089253
T0196 A	10/8/10	JM	Group 1	EI Chayal	53627	5669	647	519	5361	35	146	161	102	13	613	0.906832298	0.096810297
T0196 A	10/14/10	JM	Group 1	EI Chayal	31187	6450	655	555	5624	27	148	152	100	13	672	0.973684211	0.098684211
T0196 B	10/8/10	JM	Group 1	EI Chayal	32140	13185	673	586	5814	48	160	175	117	14	627	0.914285714	0.100791194
T0196 B	10/14/10	JM	Group 1	EI Chayal	30595	5946	757	578	5648	31	140	153	103	10	564	0.91503268	0.10233711
T0197	10/8/10	JM	Group 1	EI Chayal	30067	7755	605	564	5558	30	151	157	107	14	633	0.961783439	0.101475351
T0198 A	10/8/10	JM	Group 1	EI Chayal	29078	6340	667	540	5441	34	150	153	97	12	667	0.980392157	0.099246462
T0198 B	10/8/10	JM	Group 1	EI Chayal	30608	8066	623	569	5640	44	144	153	102	14	760	0.941176471	0.100886525
T0199	10/28/10	JM	Group 1	EI Chayal	30579	5708	686	568	5683	42	148	151	101	10	685	0.98013245	0.099947211
T0200	10/28/10	JM	Group 1	EI Chayal	31709	5554	637	554	5428	30	153	163	100	12	595	0.938650307	0.102063375
T0201	10/8/10	JM	Group 1	EI Chayal	30079	6402	662	581	5540	38	149	155	102	14	606	0.961290323	0.104873646
T0202 A	10/28/10	JM	Group 1	EI Chayal	29653	6923	611	546	5706	27	143	148	100	11	653	0.966216216	0.095688749
T0202 B	10/28/10	JM	Group 1	EI Chayal	26471	11746	630	528	5638	43	158	160	109	15	638	0.9875	0.093650231
T0202 C	10/28/10	JM	Group 1	EI Chayal	26897	11625	652	565	5910	43	174	185	124	18	796	0.940540541	0.095600677
T0202 D	10/28/10	JM	Group 1	EI Chayal	26707	7199	616	546	5645	38	171	170	118	18	641	1.005882353	0.096722764
T0202 E	10/28/10	JM	Group 1	EI Chayal	29634	5691	618	554	5454	38	137	152	99	14	643	0.901315789	0.101576824
T0202 F	10/28/10	JM	Group 1	EI Chayal	25775	7138	635	516	5325	30	143	150	102	12	574	0.953333333	0.096901408
T0203	10/14/10	JM	Group 1	EI Chayal	28417	5398	569	561	5307	30	152	159	104	12	649	0.955974843	0.10570944
T0204	10/14/10	JM	Group 1	EI Chayal	48563	5198	575	504	5205	28	149	156	103	13	526	0.955128205	0.096829971
T0205	10/14/10	JM	Group 1	EI Chayal	28630	5444	711	508	5173	34	154	156	100	16	556	0.987179487	0.098202204
T0206 A	10/14/10	JM	Group 1	EI Chayal	54389	5808	669	529	5261	34	160	164	105	14	610	0.975609756	0.100551226
T0206 B	10/14/10	JM	Group 1	EI Chayal	29581	5473	634	548	5532	34	159	164	109	16	665	0.969512195	0.099060014
T0206 C	10/14/10	JM	Group 1	EI Chayal	29430	6787	637	537	5339	40	154	161	110	14	647	0.956521739	0.100580633
T0207	10/14/10	JM	Group 1	EI Chayal	28726	6256	565	538	5297	31	156	161	102	15	700	0.968944099	0.101566925
T0208	10/14/10	JM	Group 1	EI Chayal	29518	7481	642	528	5433	34	141	155	100	13	586	0.909677419	0.097183876
T0209 A	10/14/10	JM	Group 1	EI Chayal	31332	5311	663	585	5511	44	175	190	127	22	605	0.921052632	0.106151334
T0209 B	10/14/10	JM	Group 1	EI Chayal	29800	5885	644	540	5561	27	148	155	102	16	623	0.95483871	0.097104837
T0209 C	10/14/10	JM	Group 1	EI Chayal	30890	8060	707	551	5603	37	163	173	112	18	620	0.942196532	0.098340175
T0210	10/14/10	JM	Group 5	Paredon	38904	1884	655	319	8128	54	176	10	211	37	310	17.6	0.039247047
T0211 A	10/8/10	JM	Group 1	EI Chayal	29716	6150	602	575	5647	32	144	156	103	11	682	0.923076923	0.101823977
T0211 B	10/8/10	JM	Group 1	EI Chayal	30263	5554	693	553	5523	36	154	159	114	18	564	0.968553459	0.100126743
T0211 C	10/8/10	JM	Group 1	EI Chayal	30077	5875	667	550	5561	32	158	166	113	15	644	0.951807229	0.098903075
T0211 D	10/8/10	JM	Group 1	EI Chayal	30764	5738	632	571	5614	32	147	156	97	13	747	0.942307692	0.101710011
T0211 E	10/8/10	JM	Group 1	EI Chayal	29285	6173	535	544	5572	33	157	166	108	12	699	0.945783133	0.097631012
T0211 F	10/8/10	JM	Group 1	EI Chayal	32472	7482	702	538	5691	42	154	172	109	12	677	0.895348837	0.094535231
T0211 G	10/8/10	JM	Group 1	EI Chayal	33275	10828	688	558	5891	46	171	187	121	18	677	0.914438503	0.09472076
T0211 H	10/8/10	JM	Group 1	EI Chayal	30966	5854	668	568	5535	31	152	155	100	12	610	0.980645161	0.102619693
T0212 A	10/14/10	JM	Group 1	EI Chayal	30085	5424	679	550	5491	30	145	157	100	12	585	0.923566879	0.100163905
T0212 A	10/14/10	JM	Group 1	EI Chayal	30525	6329	644	577	5599	33	160	173	116	16	702	0.924855491	0.103054117
T0213	10/14/10	JM	Group 1	EI Chayal	30525	5686	661	572	5613	44	168	177	116	18	673	0.949152542	0.101906289
T0214	10/8/10	JM	Group 1	EI Chayal	30105	5820	704	552	5554	33	160	169	109	17	590	0.946745562	0.099387829
T0215	10/14/10	JM	Group 1	EI Chayal	30205	9276	555	562	5679	34	162	166	105	13	730	0.975903614	0.098961085
T0216	10/28/10	JM	Group 1	EI Chayal	30105	5982	670	555	5459	46	192	203	135	32	600	0.945812808	0.101666972

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T0217	10/28/10	JM	Group 1	El Chayal	29270	5525	635	547	5438	27	170	171	112	19	650	0.994152047	0.100588452
T0218	10/22/10	JM	Group 1	El Chayal	30698	6436	748	582	5627	37	157	171	108	16	605	0.918128655	0.103429892
T0219	10/14/10	JM	Group 1	El Chayal	34987	6979	635	543	5413	31	148	155	98	13	554	0.95483871	0.100314059
T0220	10/14/10	JM	Group 1	El Chayal	30580	6377	638	562	5687	31	146	158	105	12	687	0.924050633	0.098821874
T0221	10/14/10	JM	Group 1	El Chayal	30289	6153	699	552	5483	39	142	156	96	8	586	0.91025641	0.100674813
T0222	10/14/10	JM	Group 1	El Chayal	29837	7718	645	551	5529	39	156	164	104	14	661	0.951219512	0.099656357
T0223	10/14/10	JM	Group 1	El Chayal	27868	5357	494	525	5210	26	158	163	109	19	656	0.969325153	0.100767754
T0224	10/22/10	JM	Group 1	El Chayal	32893	5800	690	601	5653	41	173	190	119	21	658	0.910526316	0.106315231
T0224 A	10/13/10	CK	Group 1	El Chayal	29817	5407	669	541	5454	31	151	166	99	11	633	0.909638554	0.099193253
T0224 B	10/13/10	CK	Group 1	El Chayal	29855	6001	737	558	5540	36	148	160	104	11	586	0.925	0.100722022
T0224 C	10/13/10	CK	Group 1	El Chayal	30423	6300	764	543	5511	36	153	171	118	17	568	0.894736842	0.098530212
T0224 D	10/13/10	CK	Group 1	El Chayal	26096	5803	626	517	5300	33	162	169	111	19	566	0.958579882	0.09754717
T0224 E	10/13/10	CK	Group 1	El Chayal	25848	6908	593	536	5278	31	156	169	105	19	665	0.923076923	0.101553619
T0224 F	10/13/10	CK	Group 1	El Chayal	30739	6126	625	576	5722	35	174	189	122	25	677	0.920634921	0.100664103
T0224 G	10/13/10	CK	Group 1	El Chayal	34109	6866	650	610	5941	45	194	213	138	27	798	0.910798122	0.102676317
T0224 H	10/13/10	CK	Group 1	El Chayal	29478	10456	692	543	5654	38	159	171	112	15	661	0.929824561	0.096038203
T0224 I	10/13/10	CK	Group 2	San Martin	35125	7683	681	469	6127	37	136	240	127	19	790	0.566666667	0.076546434
T0225	10/13/10	CK	Group 1	El Chayal	32290	6607	811	582	5957	37	189	204	131	26	704	0.926470588	0.097700185
T0226 A	10/13/10	CK	Group 1	El Chayal	29682	7310	671	534	5489	41	154	161	103	11	630	0.956521739	0.09728548
T0226 B	10/13/10	CK	Group 1	El Chayal	37057	6918	3438	518	4917	35	164	160	89	14	557	1.025	0.10534879
T0226 C	10/13/10	CK	Group 1	El Chayal	33132	7174	2431	590	5593	41	182	194	123	19	738	0.93814433	0.105489004
T0227	10/13/10	CK	Group 2	San Martin	32475	8556	743	473	6229	29	126	219	111	12	797	0.575342466	0.075935142
T0228 A	10/13/10	CK	Group 1	El Chayal	34438	6399	761	579	5737	32	174	182	122	23	665	0.956043956	0.100923828
T0228 B	10/13/10	CK	Group 1	El Chayal	30543	7490	599	549	5638	32	172	181	121	22	724	0.950276243	0.097374956
T0228 C	10/13/10	CK	Group 1	El Chayal	25553	7130	689	529	5543	46	174	178	119	18	577	0.97752809	0.095435685
T0229 A	10/22/10	JM	Group 2	San Martin	30645	6817	728	449	5949	23	126	210	111	16	677	0.6	0.07547487
T0229 B	10/22/10	JM	Group 2	San Martin	29934	7621	785	464	5669	26	118	202	104	11	714	0.584158416	0.081848651
T0229 C	10/22/10	JM	Group 2	San Martin	29325	7820	717	443	5981	38	104	199	98	9	720	0.522613065	0.074067882
T0230 A	10/22/10	JM	Group 2	San Martin	27774	8709	690	438	5859	30	110	193	99	7	644	0.569948187	0.074756784
T0230 B	10/22/10	JM	Group 2	San Martin	30093	6723	668	465	6020	28	119	220	118	16	768	0.540909091	0.077242525
T0230 C	10/22/10	JM	Group 2	San Martin	31062	7634	695	477	6198	37	132	235	116	17	792	0.561702128	0.07696031
T0230 D	10/22/10	JM	Group 2	San Martin	32685	7347	666	495	6368	38	151	260	138	24	807	0.580769231	0.077732412
T0231 A	10/22/10	JM	Group 1	El Chayal	30547	7465	690	547	5527	35	154	156	106	14	668	0.987179487	0.098968699
T0231 B	10/22/10	JM	Group 1	El Chayal	32282	6372	588	586	5672	38	167	174	107	18	746	0.959770115	0.103314528
T0232 A	10/22/10	JM	Group 2	San Martin	30235	7085	695	428	5935	31	119	212	101	13	723	0.561320755	0.072114575
T0232 B	10/22/10	JM	Group 2	San Martin	30440	6430	655	453	5548	26	113	187	99	10	735	0.604278075	0.081651045
T0232 C	10/22/10	JM	Group 2	San Martin	44331	4621	577	440	5735	28	126	214	106	12	710	0.588785047	0.076721883
T0232 D	10/22/10	JM	Group 2	San Martin	48340	11504	630	422	5706	30	133	196	102	11	751	0.678571429	0.073957238
T0232 E	10/22/10	JM	Group 2	San Martin	46923	6549	651	432	5674	25	116	189	98	11	698	0.613756614	0.076136764
T0232 F	10/22/10	JM	Group 2	San Martin	30029	7128	647	468	5903	21	115	196	101	9	764	0.586734694	0.079281721
T0232 G	10/22/10	JM	Group 2	San Martin	30208	7179	640	458	6087	35	123	224	119	14	762	0.549107143	0.07524232
T0233	10/22/10	JM	Group 2	San Martin	30759	6490	682	431	5936	30	107	192	97	7	676	0.557291667	0.072607817
T0234	10/22/10	JM	Group 2	San Martin	29991	8675	734	486	6141	29	120	216	116	15	678	0.555555556	0.079140205
T0235	10/22/10	JM	Group 2	San Martin	29818	6895	678	450	5884	29	108	193	96	9	795	0.559585492	0.076478586
T0236	10/22/10	JM	Group 1	El Chayal	30732	11554	656	567	5524	36	145	155	103	12	680	0.935483871	0.102643012
T0237	10/22/10	JM	Group 2	San Martin	27168	7628	760	479	6007	36	110	206	103	9	678	0.533980583	0.079740303
T0238	10/22/10	JM	Group 2	San Martin	52088	10876	603	403	5573	22	128	201	94	6	660	0.63681592	0.072312937

**Supplemental Table 1. Elemental Concentrations in Obsidian Artifacts from Tikal, Guatemala, as Determined by pXRF. Concentrations are in ppm.**

T0239	10/22/10	JM	Group 2	San Martin	29483	8183	817	432	5988	32	115	208	108	15	671	0.552884615	0.072144289
T0241	10/22/10	JM	Group 2	San Martin	31522	7530	715	472	6009	31	123	219	115	15	761	0.561643836	0.078548843
T0242	10/22/10	JM	Group 2	San Martin	31094	8080	757	501	6206	25	117	202	108	10	688	0.579207921	0.080728327
T0242(*)	10/27/10	CK	Group 1	EI Chayal	31731	6008	704	548	5660	40	167	177	118	16	657	0.943502825	0.096819788
T0243 A	10/28/10	JM	Group 1	EI Chayal	30052	8044	685	556	5495	26	140	152	98	9	649	0.921052632	0.101182894
T0243 B	10/28/10	JM	Group 1	EI Chayal	29158	6034	596	540	5376	26	138	148	99	7	641	0.932432432	0.100446429
T0243 C	10/28/10	JM	Group 1	EI Chayal	30907	6003	713	577	5648	42	150	159	104	15	578	0.943396226	0.102160057
T0243 D	10/28/10	JM	Group 1	EI Chayal	30174	6387	659	563	5601	38	153	175	104	19	674	0.874285714	0.100517765
T0243 E	10/28/10	JM	Group 1	EI Chayal	31024	5976	677	560	5597	27	149	160	107	11	690	0.93125	0.1000536
T0243 F	10/28/10	JM	Group 1	EI Chayal	30547	7001	806	555	5632	28	161	168	115	19	584	0.958333333	0.098544034
T0243 G	10/28/10	JM	Group 1	EI Chayal	31012	5481	614	543	5564	34	160	170	105	16	670	0.941176471	0.097591661
T0243 H	10/28/10	JM	Group 1	EI Chayal	31304	8787	653	570	5806	47	158	169	107	16	765	0.934911243	0.098174302
T0243 I	10/28/10	JM	Group 1	EI Chayal	32674	5954	623	585	5881	39	161	170	109	16	668	0.947058824	0.099472879
T0243 J	10/28/10	JM	Group 1	EI Chayal	32313	5952	751	583	5886	26	171	181	121	25	686	0.944751381	0.09904859
T0243 K	10/28/10	JM	Group 1	EI Chayal	30424	7355	589	597	5722	43	168	173	110	18	726	0.971098266	0.104334149
T0243 L	10/28/10	JM	Group 1	EI Chayal	29702	6944	676	545	5490	33	145	155	102	12	639	0.935483871	0.099271403
T0243 M	10/28/10	JM	Group 1	EI Chayal	37257	8981	729	541	5483	37	152	150	94	12	595	1.013333333	0.098668612
T0243 N	10/28/10	JM	Group 1	EI Chayal	32129	5919	754	600	5858	36	160	164	106	15	641	0.975609756	0.102424036
T0243 O	10/28/10	JM	Group 1	EI Chayal	30435	5769	596	572	5636	31	150	158	107	17	650	0.949367089	0.101490419
T0243 P	10/28/10	JM	Group 1	EI Chayal	31164	6490	686	547	5585	32	151	154	103	14	604	0.980519481	0.097940913
T0243 Q	10/28/10	JM	Group 1	EI Chayal	31849	6527	665	590	5838	42	173	185	122	18	708	0.935135135	0.101062008
T0243 R	10/28/10	JM	Group 1	EI Chayal	29676	7102	711	567	5646	31	157	174	111	13	683	0.902298851	0.10042508
T0243 S	10/28/10	JM	Group 1	EI Chayal	31989	6902	763	569	5714	34	168	173	118	17	667	0.971098266	0.099579979
T0243 T	10/28/10	JM	Group 1	EI Chayal	29637	7311	618	555	5659	29	170	183	113	23	649	0.928961749	0.098073865
T0243 U	10/28/10	JM	Group 1	EI Chayal	30636	7099	658	548	5790	36	161	173	118	16	675	0.930635838	0.094645941
T0243 V	10/28/10	JM	Group 1	EI Chayal	31531	5917	763	574	5718	38	173	191	122	21	658	0.905759162	0.10038475
T0244	10/27/10	CK	Group 1	EI Chayal	28743	5674	723	528	5435	33	140	156	95	10	589	0.897435897	0.097148114
T0245A	10/27/10	CK	Group 2	San Martin	53618	10448	717	441	5654	37	113	201	101	10	639	0.562189055	0.077997878
T0245B	10/27/10	CK	Group 1	EI Chayal	28023	5556	562	553	5378	32	152	151	103	13	657	1.006622517	0.102826329
T0245C	10/27/10	CK	Group 1	EI Chayal	29308	6917	615	523	5404	37	147	155	99	13	643	0.948387097	0.096780163
T0245D	10/27/10	CK	Group 1	EI Chayal	30278	7390	757	541	5697	36	151	166	106	11	576	0.909638554	0.094962261
T0246	10/27/10	CK	Group 1	EI Chayal	30223	6004	695	553	5511	39	146	157	102	13	599	0.929936306	0.100344765
T0248	10/27/10	CK	Group 1	EI Chayal	28898	8053	703	526	5438	35	144	154	98	7	554	0.935064935	0.096726738
T0249	10/27/10	CK	Group 1	EI Chayal	30986	6799	635	553	5603	38	148	162	103	11	637	0.913580247	0.098697127
T0250	10/27/10	CK	Group 1	EI Chayal	25698	5500	2173	540	5356	32	158	166	110	15	606	0.951807229	0.100821509
T0251	10/27/10	CK	Group 2	San Martin	30427	8603	614	444	6083	38	131	228	119	16	797	0.574561404	0.072990301
T0252	10/28/10	JM	Group 1	EI Chayal	29079	6454	1884	563	5554	31	166	180	117	17	591	0.922222222	0.101368383
T0253 A	10/28/10	JM	Group 1	EI Chayal	30862	6372	577	577	5560	31	148	159	99	10	679	0.93081761	0.103776978
T0253 B	10/28/10	JM	Group 1	EI Chayal	29680	7581	700	569	5527	30	151	151	100	11	606	1	0.102949159
T0253 C	10/28/10	JM	Group 1	EI Chayal	26738	5854	619	532	5388	31	157	167	102	19	573	0.94011976	0.098737936
T0253 D	10/28/10	JM	Group 1	EI Chayal	30976	7817	592	577	5625	33	161	163	110	18	688	0.987730061	0.102577778
T0254	10/28/10	JM	Group 1	EI Chayal	30534	6344	677	555	5602	34	153	166	109	15	610	0.921686747	0.09907176
T0255 A	10/28/10	JM	Group 1	EI Chayal	31483	6262	633	587	5686	25	141	150	99	12	674	0.94	0.103236018
T0255 B	10/28/10	JM	Group 1	EI Chayal	28811	6271	716	571	5408	30	148	154	94	12	713	0.961038961	0.10558432
T0255 C	10/28/10	JM	Group 1	EI Chayal	29401	9079	647	535	5349	32	140	154	99	8	538	0.909090909	0.100018695
T0256A	10/27/10	CK	Group 1	EI Chayal	30012	5894	710	552	5591	35	140	160	101	11	620	0.875	0.098730102
T0256B	10/27/10	CK	Group 1	EI Chayal	30716	6221	609	551	5594	36	170	173	110	13	672	0.98265896	0.098498391

**Supplemental Table 1. Elemental Concentrations in Obsidian Artifacts from Tikal, Guatemala, as Determined by pXRF. Concentrations are in ppm.**

T0257A	10/27/10	CK	Group 2	San Martin	31121	6703	653	452	6003	26	110	203	105	6	738	0.541871921	0.075295685
T0257B	10/27/10	CK	Group 1	El Chayal	27294	5777	519	535	5428	30	163	179	126	16	701	0.910614525	0.098563007
T0257C	10/27/10	CK	Group 1	El Chayal	30463	6149	746	559	5649	40	166	168	110	15	620	0.988095238	0.098955567
T0258A	10/27/10	CK	Group 1	El Chayal	58197	8482	663	507	5158	36	177	158	102	11	575	1.120253165	0.098293912
T0258B	10/27/10	CK	Group 1	El Chayal	29499	5608	623	538	5521	31	148	157	102	10	590	0.942675159	0.097446115
T0259	10/27/10	CK	Group 1	El Chayal	32145	7960	644	583	5832	41	173	184	117	19	787	0.940217391	0.099965706
T0260	10/27/10	CK	Group 1	El Chayal	29285	5552	714	538	5500	34	153	161	101	12	692	0.950310559	0.097818182
T0261 A	10/28/10	JM	Group 1	El Chayal	30109	5159	687	562	5444	30	159	172	107	14	618	0.924418605	0.103232917
T0261 B	10/28/10	JM	Group 1	El Chayal	30999	5530	702	575	5467	42	175	186	124	21	573	0.940860215	0.105176514
T0261 C	10/28/10	JM	Group 1	El Chayal	32394	6178	678	587	5778	35	171	187	120	19	666	0.914438503	0.101592246
T0262	10/27/10	CK	Group 1	El Chayal	32104	6910	708	563	5690	42	155	166	107	15	669	0.93373494	0.098945518
T0263	10/28/10	JM	Group 2	San Martin	29777	7164	624	470	6108	25	112	200	106	10	805	0.56	0.076948265
T0264	10/27/10	CK	Group 1	El Chayal	23742	5223	535	514	5222	27	146	150	99	11	642	0.973333333	0.09842972
T0265	10/28/10	JM	Group 1	El Chayal	29793	16511	597	549	5493		149	150	102	10	651	0.993333333	0.099945385
T0266	10/27/10	CK	Group 1	El Chayal	30649	5735	669	566	5617	33	148	162	106	15	618	0.913580247	0.100765533
T0267A	10/27/10	CK	Group 1	El Chayal	29137	7881	631	555	5525	36	145	163	103	13	656	0.889570552	0.100452489
T0267aC	10/27/10	CK	Group 1	El Chayal	31434	6357	715	549	5743	38	158	165	111	13	567	0.957575758	0.095594637
T0267B	10/27/10	CK	Group 1	El Chayal	30728	6483	657	546	5679	39	168	178	112	16	715	0.943820225	0.096143687
T0268	10/28/10	JM	Group 1	El Chayal	29663	7207	740	550	5511	32	160	160	105	14	560	1	0.099800399
T0269A	10/27/10	CK	Group 1	El Chayal	32142	6313	653	564	5637	41	164	174	119	15	702	0.942528736	0.10005322
T0269B	10/27/10	CK	Group 1	El Chayal	25463	7798	461	514	5123	31	157	174	109	17	680	0.902298851	0.100331837
T0270	10/28/10	JM	Group 3	Ixtepeque	32479	8533	1022	394	8417	24	105	164	155	13	738	0.640243902	0.046810027
T0271 A	10/28/10	JM	Group 1	El Chayal	28461	5578	611	572	5455	34	152	159	109	12	642	0.955974843	0.104857929
T0271B	10/28/10	JM	Group 6	Otumba	31737	7979	681	338	7572	35	135	126	128	16	514	1.071713147	0.044638141
T0272	10/28/10	JM	Group 1	El Chayal	29847	6352	687	547	5579	32	148	161	99	13	699	0.919254658	0.098046245
T0273	10/28/10	JM	Group 1	El Chayal	31243	6515	691	560	5519	40	166	174	113	17	608	0.954022989	0.101467657
T0274	10/28/10	JM	Group 1	El Chayal	37001	6068	737	579	5762	42	189	189	126	26	611	1	0.100485942
T0275 A	10/28/10	JM	Group 1	El Chayal	23128	4416	464	485	5061	31	148	160	105	12	564	0.925	0.095830863
T0275 B	10/28/10	JM	Group 1	El Chayal	33354	6418	672	605	6100	33	168	173	113	14	825	0.971098266	0.099180328
T0276	10/28/10	JM	Group 1	El Chayal	30350	9192	556	541	5661	35	151	166	107	14	723	0.909638554	0.095566154
T0277	10/27/10	CK	Group 2	San Martin	27767	6684	718	439	5849	19	114	196	105	11	641	0.581632653	0.075055565
T0278	10/28/10	JM	Group 1	El Chayal	30483	6859	718	550	5567	29	153	158	102	11	608	0.96835443	0.098796479
T0279	10/27/10	CK	Group 1	El Chayal	30919	6816	611	539	5527	35	163	174	117	17	634	0.936781609	0.097521259
T0280	10/27/10	CK	Group 1	El Chayal	31063	6267	728	546	5559	43	156	163	104	12	615	0.957055215	0.098219104
T0281	10/27/10	CK	Group 1	El Chayal	30461	5878	635	540	5513	38	179	187	123	24	656	0.957219251	0.097950299
T0282	10/27/10	CK	Group 1	El Chayal	65442	10229	558	501	5090	35	160	156	99	13	650	1.025641026	0.098428291
T0283	10/28/10	JM	Group 3	Ixtepeque	35065	7357	1155	421	8819	30	102	164	158	8	645	0.62195122	0.047737839
T0284	10/27/10	CK	Group 1	El Chayal	31428	7517	592	571	5719	35	164	174	114	15	726	0.942528736	0.09984263
T0285	10/27/10	CK	Group 1	El Chayal	30076	6956	750	545	5638	31	150	164	106	12	561	0.914634146	0.096665484
T0286	10/28/10	JM	Group 1	El Chayal	29727	9472	596	556	5563	39	139	151	95	8	736	0.920529801	0.099946072
T0287	10/8/10	JM	Group 1	El Chayal	28972	5864	583	554	5541	26	163	169	110	15	690	0.964497041	0.099981953
T0288	10/8/10	JM	Group 1	El Chayal	32312	8152	727	572	5819	40	165	173	113	15	663	0.953757225	0.098298677
T0289	10/8/10	JM	Group 1	El Chayal	32050	13190	682	582	5829	41	189	196	134	26	722	0.964285714	0.0998456
T0290 A	10/8/10	JM	Group 1	El Chayal	30458	6682	657	546	5413	38	151	164	106	13	623	0.920731707	0.10086828
T0290 B	10/8/10	JM	Group 1	El Chayal	31615	5860	682	560	5619	32	166	175	112	18	667	0.948571429	0.099661862
T0291	10/8/10	JM	Group 1	El Chayal	30100	7218	664	545	5597	32	169	172	118	23	558	0.98255814	0.097373593
T0292	10/8/10	JM	Group 1	El Chayal	29815	5609	666	543	5437	28	159	169	111	15	579	0.940828402	0.099871253

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T0293 A	10/14/10	JM	Group 2	San Martin	44870	7242	662	425	5648	30	116	201	108	12	695	0.577114428	0.075247875
T0293 B	10/14/10	JM	Group 2	San Martin	30571	6879	588	475	5919	30	115	199	102	8	810	0.577889447	0.080250042
T0293 C	10/14/10	JM	Group 2	San Martin	49435	8305	674	404	5431	49	118	201	103	10	834	0.587064677	0.074387774
T0293 D	10/14/10	JM	Group 2	San Martin	30399	6778	684	433	5883	30	114	197	105	9	742	0.578680203	0.073601904
T0293 E	10/14/10	JM	Group 2	San Martin	30649	7983	679	500	6114	33	120	218	117	15	800	0.550458716	0.081779522
T0293 F	10/14/10	JM	Group 2	San Martin	30031	7808	739	462	5906	26	112	196	103	8	634	0.571428571	0.078225533
T0293 G	10/14/10	JM	Group 2	San Martin	53690	7222	640	466	6012	31	130	225	110	15	836	0.577777778	0.077511643
T0293 H	10/14/10	JM	Group 2	San Martin	31037	7975	714	447	6114	39	129	217	111	10	763	0.594470046	0.073110893
T0293 I	10/14/10	JM	Group 2	San Martin	30870	8906	698	457	6022	36	119	210	107	12	739	0.566666667	0.075888409
T0294	10/22/10	JM	Group 1	El Chayal	28666	5571	594	521	5347	33	151	154	98	10	670	0.980519481	0.097437816
T0295	10/22/10	JM	Group 1	El Chayal	45233	7034	590	513	5235	30	144	148	102	14	604	0.972972973	0.097994269
T0296 A	10/22/10	JM	Group 1	El Chayal	29634	5159	601	553	5406	36	143	151	95	11	658	0.947019868	0.102293748
T0296 B	10/22/10	JM	Group 1	El Chayal	31425	8353	626	551	5431	27	158	164	107	15	660	0.963414634	0.101454612
T0297	10/22/10	JM	Group 1	El Chayal	30006	5893	719	543	5435	37	169	180	115	19	547	0.938888889	0.099908004
T0298	10/22/10	JM	Group 1	El Chayal	29895	5411	709	545	5428	30	142	156	100	13	591	0.91025641	0.100405306
T0299	10/22/10	JM	Group 1	El Chayal	30545	7269	633	568	5574	41	150	160	104	10	713	0.9375	0.101901686
T0300 A	10/22/10	JM	Group 1	El Chayal	30747	6522	796	576	5663	36	174	188	128	20	571	0.925531915	0.101712873
T0300 B	10/22/10	JM	Group 1	El Chayal	31417	6067	760	579	5690	34	162	159	106	13	629	1.018867925	0.101757469
T0301	10/22/10	JM	Group 1	El Chayal	29863	6696	614	609	5459	32	160	177	111	20	597	0.903954802	0.111558894
T0302	10/22/10	JM	Group 1	El Chayal	59015	7184	650	480	5019	41	160	161	109	14	503	0.99378882	0.095636581
T0303	10/22/10	JM	Group 1	El Chayal	31424	7396	697	554	5755	42	169	181	118	22	642	0.933701657	0.096264118
T0304	10/22/10	JM	Group 1	El Chayal	29308	6130	739	536	5455	32	138	152	94	11	529	0.907894737	0.098258478
T0305 A	10/22/10	JM	Group 1	El Chayal	30657	6701	693	555	5587	39	157	166	101	12	617	0.945783133	0.099337748
T0305 B	10/22/10	JM	Group 1	El Chayal	34084	8652	849	566	5798	37	166	174	108	13	625	0.954022989	0.097619869
T0306	10/22/10	JM	Group 1	El Chayal	33577	5805	574	569	5430	24	152	162	103	11	621	0.938271605	0.104788214
T0307	10/22/10	JM	Group 1	El Chayal	31518	6152	605	574	5895	43	180	181	131	23	702	0.994475138	0.097370653
T0308	10/22/10	JM	Group 1	El Chayal	30084	5732	624	551	5621	30	143	152	97	13	643	0.940789474	0.098025262
T0309 A	10/22/10	JM	Group 1	El Chayal	43362	6542	632	557	5523	35	155	169	114	12	683	0.917159763	0.100850987
T0309 B	10/22/10	JM	Group 1	El Chayal	30129	8049	724	524	5557	30	154	158	106	15	645	0.974683544	0.094295483
T0309 C	10/22/10	JM	Group 1	El Chayal	31042	7918	672	562	5725	35	163	178	120	17	613	0.915730337	0.098165939
T0309 D	10/22/10	JM	Group 1	El Chayal	28676	8161	687	534	5316	37	146	157	102	9	629	0.929936306	0.100451467
T0309 E	10/22/10	JM	Group 1	El Chayal	33138	10647	715	556	5996	41	185	193	119	23	648	0.958549223	0.092728486
T0309 F	10/22/10	JM	Group 1	El Chayal	33364	8397	737	618	5989	35	187	197	124	22	698	0.949238579	0.10318918
T0310 A	10/22/10	JM	Group 1	El Chayal	29779	5811	641	545	5454	30	156	166	102	16	709	0.939759036	0.099926659
T0310 B	10/22/10	JM	Group 1	El Chayal	28307	9275	716	537	5542	29	147	144	95	6	574	1.020833333	0.096896427
T0310 C	10/22/10	JM	Group 1	El Chayal	29823	5976	647	545	5461	32	158	169	109	16	587	0.934911243	0.099798572
T0310 D	10/22/10	JM	Group 1	El Chayal	30449	6444	635	556	5526	33	159	159	109	14	690	1	0.100615273
T0310 E	10/22/10	JM	Group 1	El Chayal	29660	7035	648	550	5546	39	186	207	129	26	660	0.898550725	0.099170573
T0311 A	10/22/10	JM	Group 2	San Martin	29898	6779	613	438	5517	33	119	207	106	16	758	0.574879227	0.079390973
T0311 B	10/22/10	JM	Group 1	El Chayal	29022	22009	710	545	5874	50	153	161	102	14	621	0.950310559	0.09278175
T0312	10/22/10	JM	Group 1	El Chayal	31153	6802	651	572	5647	37	159	172	113	14	635	0.924418605	0.101292722
T0313	10/22/10	JM	Group 1	El Chayal	30760	5287	675	565	5535	36	151	170	107	16	624	0.888235294	0.102077687
T0314 A	10/22/10	JM	Group 1	El Chayal	29058	6522	640	547	5603	35	161	175	109	16	633	0.92	0.097626272
T0314 B	10/22/10	JM	Group 1	El Chayal	31195	7824	815	576	6129	89	171	179	122	19	651	0.955307263	0.093979442
T0315	10/22/10	JM	Group 1	El Chayal	31035	6061	638	550	5563	27	145	149	102	11	683	0.973154362	0.098867518
T0316	10/22/10	JM	Group 1	El Chayal	46322	6456	670	556	5525	37	158	167	108	10	619	0.946107784	0.100633484
T0317	10/22/10	JM	Group 1	El Chayal	29602	6165	642	531	5428	27	134	147	94	10	637	0.911564626	0.097826087

Supplemental Table 1. Elemental Concentrations in Obsidian Artifacts from Tikal, Guatemala, as Determined by pXRF. Concentrations are in ppm.

T0318 A	10/22/10	JM	Group 1	EI Chayal	30189	6513	632	551	5565	26	150	155	104	10	697	0.967741935	0.09901168
T0318 B	10/22/10	JM	Group 1	EI Chayal	29833	7144	717	525	5472	29	155	163	107	16	600	0.950920245	0.095942982
T0318 C	10/22/10	JM	Group 1	EI Chayal	31410	5937	602	566	5715	45	170	182	125	19	672	0.934065934	0.09903762
T0318 D	10/22/10	JM	Group 3	Ixtepeque	33372	7369	1100	433	8548	30	105	175	161	11	773	0.6	0.050655124
T0319	10/22/10	JM	Group 1	EI Chayal	31010	9526	589	577	5733	48	166	169	110	15	671	0.982248521	0.100645386
T0320 A	10/22/10	JM	Group 1	EI Chayal	29648	9923	648	558	5497	35	165	171	112	18	636	0.964912281	0.101509914
T0320 B	10/22/10	JM	Group 1	EI Chayal	29510	27739	702	531	5597	41	165	167	114	14	641	0.988023952	0.094872253
T0321 A	10/28/10	JM	Group 1	EI Chayal	30954	6001	594	568	5625	33	164	170	109	15	750	0.964705882	0.100977778
T0321 B	10/28/10	JM	Group 1	EI Chayal	29178	5234	703	538	5474	26	160	173	115	18	600	0.924855491	0.098282791
T0321 C	10/28/10	JM	Group 1	EI Chayal	43587	7863	509	527	5457	35	147	157	99	13	700	0.936305732	0.096573209
T0322	10/8/10	JM	Group 1	EI Chayal	44774	6035	681	552	5466	37	156	164	105	16	628	0.951219512	0.100987925
T0323 A	10/8/10	JM	Group 1	EI Chayal	31010	6728	740	584	5607	37	166	175	112	19	621	0.948571429	0.10415552
T0323 B	10/8/10	JM	Group 1	EI Chayal	30517	10386	649	564	5828	34	154	168	113	13	651	0.916666667	0.096774194
T0324	10/28/10	JM	Group 2	San Martin	30719	8692	650	471	5854	34	120	212	112	12	736	0.566037736	0.080457807
T0325	8/25/11	IWM, CNF	Group 1	EI Chayal	28891	5273	624	550	5412	31	148	150	103	11	616	0.986666667	0.101626016
T0326	10/28/10	JM	Group 3	Ixtepeque	32585	7385	996	403	8395	19	105	166	160	13	775	0.63253012	0.048004765
T0327	10/13/10	CK	Group 1	EI Chayal	36320	11542	521	501	5163	38	164	161	113	16	671	1.01863354	0.097036607
T0328	10/13/10	CK	Group 1	EI Chayal	31025	6671	675	564	5643	38	160	168	108	14	650	0.952380952	0.099946837
T0329 A	10/13/10	CK	Group 1	EI Chayal	30342	6077	709	554	5536	37	158	161	110	17	543	0.98136646	0.100072254
T0329 B	10/13/10	CK	Group 1	EI Chayal	35083	7301	772	614	6019	50	166	174	112	16	659	0.954022989	0.102010301
T0329 C	10/13/10	CK	Group 1	EI Chayal	32045	6060	741	589	5819	44	161	172	112	16	655	0.936046512	0.101220141
T0330	10/13/10	CK	Group 1	EI Chayal	31808	7070	793	586	5797	33	159	168	107	11	642	0.946428571	0.101086769
T0331	10/13/10	CK	Group 1	EI Chayal	31712	6202	758	584	5697	30	147	159	105	11	583	0.924528302	0.102510093
T0332	10/13/10	CK	Group 1	EI Chayal	31884	6644	703	555	5559	36	155	167	110	14	659	0.928143713	0.0998381
T0333	10/13/10	CK	Group 1	EI Chayal	30068	6107	722	536	5448	33	147	153	102	12	576	0.960784314	0.098384728
T0334	10/13/10	CK	Group 1	EI Chayal	28704	6137	629	553	5351	31	147	156	101	11	653	0.942307692	0.103345169
T0335	10/13/10	CK	Group 1	EI Chayal	29135	5593	663	556	5500	33	144	146	98	10	619	0.98630137	0.101090909
T0336 A	10/13/10	CK	Group 1	EI Chayal	30587	6793	643	572	5620	32	154	157	102	14	623	0.98089172	0.101779359
T0336 B	10/13/10	CK	Group 1	EI Chayal	28585	11136	644	531	5539	31	141	153	98	8	662	0.921568627	0.09586568
T0336 C	10/13/10	CK	Group 1	EI Chayal	33656	9493	836	573	5902	41	154	165	105	9	607	0.933333333	0.097085734
T0336 D	10/13/10	CK	Group 1	EI Chayal	30024	5794	694	552	5514	30	149	160	98	13	598	0.93125	0.100108814
T0336 E	10/13/10	CK	Group 3	Ixtepeque	47590	15825	1024	376	8086	48	102	154	149	11	780	0.662337662	0.046500124
T0336 F	10/13/10	CK	Group 1	EI Chayal	29665	6285	537	559	5596	44	154	163	103	15	751	0.944785276	0.099892781
T0336 G	10/13/10	CK	Group 1	EI Chayal	30747	6243	719	556	5525	32	156	151	104	10	675	1.033112583	0.100633484
T0337	10/28/10	JM	Group 1	EI Chayal	29833	5588	652	561	5447	28	140	151	94	9	607	0.927152318	0.102992473
T0338 A	10/28/10	JM	Group 1	EI Chayal	25642	5377	562	535	5479	33	157	159	111	16	625	0.987421384	0.097645556
T0338 B	10/28/10	JM	Group 2	San Martin	30194	7789	721	482	6143	36	127	217	115	14	813	0.585253456	0.078463292
T0339	10/28/10	JM	Group 1	EI Chayal	29541	5544	613	554	5528	35	150	158	103	12	664	0.949367089	0.100217077
T0340	10/28/10	JM	Group 2	San Martin	27389	6660	677	468	5807	30	116	210	110	14	679	0.552380952	0.080592388
T0341	10/28/10	JM	Group 1	EI Chayal	29950	6163	724	564	5472	31	143	158	101	11	574	0.905063291	0.103070175
T0342 A	10/28/10	JM	Group 2	San Martin	29425	8207	709	461	5823	25	116	192	102	10	783	0.604166667	0.079168813
T0342 B	10/28/10	JM	Group 2	San Martin	28665	9718	687	473	5932	23	109	183	99	7	733	0.595628415	0.07973702
T0342 C	10/28/10	JM	Group 2	San Martin	24779	10978	611	425	5396	22	110	179	94	7	651	0.61452514	0.078762046
T0342 D	10/28/10	JM	Group 2	San Martin	27029	9569	791	446	5655	34	132	224	114	18	668	0.589285714	0.078868258
T0343	10/13/10	CK	Group 1	EI Chayal	31830	10250	798	574	5954	54	179	186	122	19	680	0.962365591	0.096405778
T0344	10/13/10	CK	Group 1	EI Chayal	31990	6461	736	568	5848	42	160	178	114	17	613	0.898876404	0.097127223
T0345	10/13/10	CK	Group 1	EI Chayal	30899	9855	788	587	5856	40	161	175	111	17	602	0.92	0.100239071



**Supplemental Table 1. Elemental Concentrations in Obsidian Artifacts from Tikal, Guatemala, as Determined by pXRF. Concentrations are in ppm.**

T0346	10/13/10	CK	Group 1	EI Chayal	32342	6724	783	602	5838	45	173	185	119	18	555	0.935135135	0.103117506
T0347	10/13/10	CK	Group 2	San Martin	24973	7402	683	449	5726	26	119	216	115	13	629	0.550925926	0.078414251
T0348	10/13/10	CK	Group 1	EI Chayal	31345	11294	842	583	5870	36	182	188	122	21	628	0.968085106	0.099318569
T0349	10/13/10	CK	Group 1	EI Chayal	30299	5905	665	560	5658	40	178	187	125	20	710	0.951871658	0.098974903
T0350 A	10/13/10	CK	Group 1	EI Chayal	30049	5992	658	546	5558	28	154	159	102	15	657	0.968553459	0.098236776
T0350 B	10/13/10	CK	Group 1	EI Chayal	31139	6108	766	587	5738	41	171	185	122	19	641	0.924324324	0.102300453
T0351 A	10/13/10	CK	Group 1	EI Chayal	30052.5	8867	741.5	553	6455	33	151	158.5	102	10	625	0.952681388	0.085670023
T0351 B	10/13/10	CK	Group 1	EI Chayal	27779	5974	669	542	5535	31	165	181	110	21	624	0.91160221	0.097922313
T0351 C	10/13/10	CK	Group 1	EI Chayal	31655	6242	739	586	6057	42	187	193	131	21	719	0.968911917	0.096747565
T0352 A	10/13/10	CK	Group 1	EI Chayal	29404	5609	654	549	5343	36	158	165	108	16	579	0.957575758	0.102751263
T0352 B	10/13/10	CK	Group 1	EI Chayal	28210	6792	714	527	5412	34	160	165	102	14	547	0.96969697	0.097376201
T0352 C	10/13/10	CK	Group 1	EI Chayal	30979	7881	780	528	5694	35	151	161	105	15	601	0.937888199	0.092729189
T0353 A	10/13/10	CK	Group 1	EI Chayal	29647	6414	665	541	5406	32	151	162	99	11	610	0.932098765	0.100073992
T0353 B	10/13/10	CK	Group 1	EI Chayal	26584	5720	693	531	5434	33	151	166	107	13	543	0.909638554	0.097718071
T0354	10/13/10	CK	Group 1	EI Chayal	29823	6282	659	555	5486	28	172	178	122	18	647	0.966292135	0.101166606
T0355	10/13/10	CK	Group 2	San Martin	40399	9313	639	441	5835	34	118	208	107	11	712	0.567307692	0.075578406
T0356	10/13/10	CK	Group 1	EI Chayal	31194	6916	684	581	5800	36	177	183	124	23	625	0.967213115	0.100172414
T0357 A	11/23/10	JM	Group 1	EI Chayal	30697	5934	630	537	5579	29	138	149	93	10	727	0.926174497	0.096253809
T0357 B	11/23/10	JM	Group 1	EI Chayal	30259	6265	739	545	5562	37	141	149	96	10	652	0.946308725	0.097986336
T0357 C	11/23/10	JM	Group 1	EI Chayal	30465	5956	785	584	5551	29	136	143	94	9	538	0.951048951	0.105206269
T0357 D	11/23/10	JM	Group 1	EI Chayal	31512	5737	648	552	5617	28	133	151	100	8	647	0.880794702	0.0982731
T0357 E	11/23/10	JM	Group 1	EI Chayal	31284	6603	844	588	5575	62	141	148	91	11	735	0.952702703	0.105470852
T0357 F	12/2/10	JM	Group 1	EI Chayal	30347	6146	758	568	5432	37	143	154	99	8	639	0.928571429	0.104565538
T0357 G	12/2/10	JM	Group 1	EI Chayal	30367	6227	621	575	5531	26	138	144	93		699	0.958333333	0.103959501
T0357 H	12/2/10	JM	Group 1	EI Chayal	29450	7111	655	526	5240	33	137	142	92	7	675	0.964788732	0.100381679
T0357 I	12/2/10	JM	Group 1	EI Chayal	28824	6127	621	528	5317	28	133	140	90	7	695	0.95	0.099304119
T0358	8/25/11	IWM, CNF	Group 1	EI Chayal	30848	6219	620	579	5620	32	157	173	110	15	729	0.907514451	0.103024911
T0359	8/25/11	IWM, CNF	Group 1	EI Chayal	30370	5567	639	551	5565	29	138	148	97	9	700	0.932432432	0.09901168
T0360	8/25/11	IWM, CNF	Group 1	EI Chayal	31613	5718	664	551	5565	31	151	161	102	12	615	0.937888199	0.09901168
T0361	8/25/11	IWM, CNF	Group 1	EI Chayal	30535	6800	548	547	5513	36	169	174	113	16	758	0.971264368	0.099220025
T0362	8/25/11	IWM, CNF	Group 1	EI Chayal	29894	6686	524	522	5519	30	161	159	112	16	663	1.012578616	0.094582352
T0363	8/25/11	IWM, CNF	Group 1	EI Chayal	32407	6623	602	526	5322	35	161	177	113	12	656	0.90960452	0.098835024
T0364	8/25/11	IWM, CNF	Group 1	EI Chayal	30481	8017	673	559	5505	30	155	156	100	11	642	0.993589744	0.101544051
T0365	8/25/11	IWM, CNF	Group 1	EI Chayal	29491	13715	703	534	5548	41	148	157	99	13	574	0.942675159	0.096250901
T0366	8/25/11	IWM, CNF	Group 1	EI Chayal	30762	5535		552	5379	27	165	175	114	16	687	0.942857143	0.102621305
T0367	8/25/11	IWM, CNF	Group 1	EI Chayal	30249	7067	719	564	5690	27	149	159	104	12	658	0.937106918	0.099121265
T0368	8/25/11	IWM, CNF	Group 1	EI Chayal	30360	7612	625	547	5518	40	161	168	113	17	614	0.958333333	0.09913012
T0369	8/25/11	IWM, CNF	Group 1	EI Chayal	30719	6567	606	546	5525	35	152	153	102	14	644	0.993464052	0.098823529
T0370	8/25/11	IWM, CNF	Group 1	EI Chayal	44992	6586	645	532	5435	32	146	156	105	13	608	0.935897436	0.097884085
T0371	8/25/11	IWM, CNF	Group 1	EI Chayal	29058	14997	633	585	5548	31	177	182	116	21	659	0.972527473	0.105443403
T0372	8/25/11	IWM, CNF	Group 1	EI Chayal	32263	6515	673	583	5872	31	150	155	105	11	678	0.967741935	0.099284741
T0373	8/25/11	IWM, CNF	Group 1	EI Chayal	37528	9507	846	660	6594	37	218	222	139	25	770	0.981981982	0.100090992
T0374	8/25/11	IWM, CNF	Group 1	EI Chayal	29844	6785	592	541	5439	31	160	155	108	13	697	1.032258065	0.099466814
T0375	8/25/11	IWM, CNF	Group 1	EI Chayal	29336	5528	499	548	5470	26	153	156	102	15	715	0.980769231	0.100182815
T0376	8/25/11	IWM, CNF	Group 1	EI Chayal	29892	5585	728	536	5423	31	161	171	110	17	597	0.941520468	0.098838281
T0377	8/25/11	IWM, CNF	Group 1	EI Chayal	39073	8590	733	575	5732	43	158	173	116	19	657	0.913294798	0.100314027
T0378	8/25/11	IWM, CNF	Group 1	EI Chayal	27811	8374	753	560	5736	26	134	140	89		517	0.957142857	0.09762901

**Supplemental Table 1. Elemental Concentrations in Obsidian Artifacts from Tikal, Guatemala, as Determined by pXRF. Concentrations are in ppm.**

T0379	8/25/11	IWM, CNF	Group 1	El Chayal	60357	7821	669	545	5333	35	147	154	99	11	564	0.954545455	0.102193887
T0380	8/25/11	IWM, CNF	Group 1	El Chayal	29060	6318	596	528	5625	20	169	172	113	20	722	0.98255814	0.093866667
T0381	8/25/11	IWM, CNF	Group 1	El Chayal	30425	6013	538	548	5537	36	146	169	105	15	716	0.863905325	0.098970562
T0382	8/25/11	IWM, CNF	Group 1	El Chayal	29040	8031	675	536	5565	30	146	155	98	10	640	0.941935484	0.096316262
T0383	8/25/11	IWM, CNF	Group 1	El Chayal	30125	5751	598	541	5514	33	168	179	124	19	680	0.938547486	0.098113892
T0384	8/25/11	IWM, CNF	Group 1	El Chayal	29388	6641	696	530	5405	29	140	153	97	9	578	0.91503268	0.098057354
T0385	8/25/11	IWM, CNF	Group 2	San Martin	32260	8952	807	482	6300	31	129	224	121	12	797	0.575892857	0.076507937
T0386	8/25/11	IWM, CNF	Group 1	El Chayal	30719	5686	603	558	5478	31	149	157	106	13	691	0.949044586	0.101861993
T0387	8/25/11	IWM, CNF	Group 1	El Chayal	30688	7445	668	561	5654	37	169	177	109	18	697	0.95480226	0.09922179
T0388	8/25/11	IWM, CNF	Group 1	El Chayal	31070	6570	646	549	5549	33	149	160	99	9	627	0.93125	0.098936745
T0389	8/25/11	IWM, CNF	Group 1	El Chayal	30490	6584	640	570	5655	37	160	171	112	19	718	0.935672515	0.100795756
T0390	8/25/11	IWM, CNF	Group 1	El Chayal	31628	7126	672	531	5573	39	162	171	107	13	705	0.947368421	0.095280818
T0391	8/25/11	IWM, CNF	Group 1	El Chayal	29757	6019	597	531	5461	36	157	168	108	14	682	0.93452381	0.097234939
T0392	8/25/11	IWM, CNF	Group 1	El Chayal	45565	5780	649	534	5289	37	155	164	112	13	569	0.945121951	0.100964265
T0393	8/25/11	IWM, CNF	Group 1	El Chayal	28226	8040	622	485	5303	23	129	133	85	5	679	0.969924812	0.091457665
T0394	8/25/11	IWM, CNF	Group 1	El Chayal	28865	6828	566	521	5450	30	151	156	100	10	645	0.967948718	0.09559633
T0395	8/25/11	IWM, CNF	Group 1	El Chayal	30312	6504	514	550	5560	35	151	153	104	7	752	0.986928105	0.098920863
T0396	8/25/11	IWM, CNF	Group 1	El Chayal	30897	7326	641	578	5569	34	154	153	106	12	634	1.006535948	0.103788831
T0397	8/25/11	IWM, CNF	Group 1	El Chayal	29739	5688	676	563	5499	40	165	178	113	16	660	0.926966292	0.102382251
T0398	8/25/11	IWM, CNF	Group 1	El Chayal	29842	6385	636	543	5456	39	164	169	110	15	670	0.970414201	0.09952346
T0399 (400?)	8/25/11	IWM, CNF	Group 1	El Chayal	29471	6847	692	550	5634	39	158	166	109	14	636	0.951807229	0.097621583
T0400	May 23 20 <sup>-</sup>	JWM	Group 1	El Chayal	29756	6447	664	523	5512	32	145	156	99	12	608	0.929487179	0.09488389
T0401	May 23 20 <sup>-</sup>	JWM	Group 1	El Chayal	31927	9453	699	579	5645	40	163	173	109	16	657	0.942196532	0.102568645
T0402	May 23 20 <sup>-</sup>	JWM	Group 1	El Chayal	22182	5183	606	516	5472	39	175	179	119	17	535	0.977653631	0.094298246
T0403	May 23 20 <sup>-</sup>	JWM	Group 1	El Chayal	30617	5854	661	587	5547	26	155	159	106	14	644	0.974842767	0.105822967
T0404	May 23 20 <sup>-</sup>	JWM	Group 1	El Chayal	28818	22409	661	575	5777	42	172	190	121	21	714	0.905263158	0.099532629
T0405	May 23 20 <sup>-</sup>	JWM	Group 1	El Chayal	27163	7644	640	531	5209	32	142	149	97	12	558	0.953020134	0.101938952
T0406	May 23 20 <sup>-</sup>	JWM	Group 1	El Chayal	30751	6383	756	552	5585	39	158	169	109	12	619	0.934911243	0.098836168
T0407	May 23 20 <sup>-</sup>	JWM	Group 1	El Chayal	32617	7207	694	587	5717	38	146	167	107	13	671	0.874251497	0.102676229
T0408	May 23 20 <sup>-</sup>	JWM	Group 1	El Chayal	32413	6004	627	583	5733	38	159	172	110	15	687	0.924418605	0.101691959
T0409	May 23 20 <sup>-</sup>	JWM	Group 1	El Chayal	29911	6472	630	548	5561	46	151	162	104	13	660	0.932098765	0.098543427
T0410	May 23 20 <sup>-</sup>	JWM	Group 1	El Chayal	30823	6765	609	591	5613	33	160	167	113	14	674	0.958083832	0.105291288
T0411	May 23 20 <sup>-</sup>	JWM	Group 1	El Chayal	31989	5611	664	557	5702	43	177	183	120	21	637	0.967213115	0.097685023
T0412	May 23 20 <sup>-</sup>	JWM	Group 1	El Chayal	55529	6911	692	530	5278	36	155	162	104	12	514	0.956790123	0.100416825
T0413	May 23 20 <sup>-</sup>	JWM	Group 3	Ixtepeque	32477	9507	1048	388	8441	23	99	160	155	9	691	0.61875	0.045966118
T0414	May 23 20 <sup>-</sup>	JWM	Group 1	El Chayal	29122	8986	719	556	5558	37	158	166	110	17	571	0.951807229	0.100035984
T0415	May 23 20 <sup>-</sup>	JWM	Group 3	Ixtepeque	33090	7264	1086	409	8846	26	102	169	161	12	639	0.603550296	0.046235587
T0416	May 23 20 <sup>-</sup>	JWM	Group 1	El Chayal	30370	8582	581	546	5581	36	160	168	108	17	676	0.952380952	0.09783193
T0417	May 23 20 <sup>-</sup>	JWM	Group 1	El Chayal	29899	7775	746	550	5622	35	144	152	99	10	652	0.947368421	0.097829954
T0418	May 23 20 <sup>-</sup>	JWM	Group 1	El Chayal	30315	7169	722	549	5503	42	167	185	115	19	597	0.902702703	0.099763765
T0419	May 23 20 <sup>-</sup>	JWM	Group 3	Ixtepeque	54190	7280	1145	409	8705	23	102	166	162	14	706	0.614457831	0.046984492
T0420	May 23 20 <sup>-</sup>	JWM	Group 1	El Chayal	31648	7101	766	595	5901	39	178	184	123	21	581	0.967391304	0.100830368
T0421 A	May 23 20 <sup>-</sup>	JWM	Group 1	El Chayal	33319	6708	780	608	5961	45	191	199	130	27	662	0.959798995	0.101996309
T0421 B	May 23 20 <sup>-</sup>	JWM	Group 1	El Chayal	40349	6155	687	567	5707	39	166	176	106	13	669	0.943181818	0.099351673
T0422	May 23 20 <sup>-</sup>	JWM	Group 1	El Chayal	31287	7015	621	570	5716	31	156	171	110	17	631	0.912280702	0.099720084
T0423	May 23 20 <sup>-</sup>	JWM	Group 1	El Chayal	71913	9905	722	556	5471	34	157	167	111	15	565	0.94011976	0.101626759
T0424	May 23 20 <sup>-</sup>	JWM	Group 1	El Chayal	30558	9480	611	568	5664	38	157	170	111	13	696	0.923529412	0.100282486

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T0425	May 23 20	JWM	Group 1	EI Chayal	36651	6829	668	551	5564	33	161	161	106	14	624	1	0.099029475
T0426	May 23 20	JWM	Group 1	EI Chayal	30423	18569	666	571	5657	42	155	166	102	11	657	0.93373494	0.100936892
T0427	May 23 20	JWM	Group 1	EI Chayal	34590	5630	721	596	5820	36	157	165	113	14	678	0.951515152	0.102405498
T0428	May 23 20	JWM	Group 1	EI Chayal	32823	9520	709	585	5784	42	165	168	111	13	667	0.982142857	0.101141079
T0429	May 23 20	JWM	Group 1	EI Chayal	32664	6956	802	593	5915	41	172	185	122	18	661	0.92972973	0.100253593
T0430 A	May 23 20	JWM	Group 1	EI Chayal	43712	5644	575	558	5505	27	159	161	108	16	659	0.98757764	0.101362398
T0430 B	May 23 20	JWM	Group 1	EI Chayal	46316	6716	681	586	5733	35	175	171	119	15	765	1.023391813	0.102215245
T0431	May 23 20	JWM	Group 1	EI Chayal	32058	6544	634	591	5838	37	159	172	111	16	686	0.924418605	0.101233299
T0432	May 23 20	JWM	Group 1	EI Chayal	28928	7045	804	545	6019	39	166	185	120	25	648	0.897297297	0.090546602
T0433	May 23 20	JWM	Group 1	EI Chayal	30768	7243	612	549	5622	37	168	179	119	16	694	0.938547486	0.097652081
T0434	May 23 20	JWM	Group 1	EI Chayal	31119	7168	715	565	5575	45	163	174	113	14	670	0.936781609	0.101345291
T0435	May 23 20	JWM	Group 1	EI Chayal	29741	6241	601	552	5578	28	158	170	110	18	640	0.929411765	0.098960201
T0436	May 23 20	JWM	Group 1	EI Chayal	30733	7054	535	505	4745	32	153	150	78	13	550	1.02	0.106427819
T0437	May 23 20	JWM	Group 1	EI Chayal	31390	8791	706	585	5771	39	155	165	107	9	730	0.939393939	0.101368914
T0438	May 23 20	JWM	Group 1	EI Chayal	32252	6137	718	599	5693	40	176	181	126	17	649	0.972375691	0.105216933
T0439	May 23 20	JWM	Group 1	EI Chayal	30891	7970	692	576	5703	40	173	183	117	19	661	0.945355191	0.100999474
T0440	May 23 20	JWM	Group 3	Ixtepeque	36789	8461	1150	434	9143	31	122	198	187	21	861	0.616161616	0.047468008
T0441	May 23 20	JWM	Group 1	EI Chayal	31875	7222	720	574	5790	40	172	173	112	16	687	0.994219653	0.099136442
T0442	May 23 20	JWM	Group 1	EI Chayal	30476	7743	669	555	5630	30	155	162	109	14	678	0.956790123	0.098579041
T0443	May 23 20	JWM	Group 1	EI Chayal	31864	12190	722	599	5802	37	162	167	108	17	628	0.97005988	0.103240262
T0444	May 23 20	JWM	Group 1	EI Chayal	30626	7062	709	574	5674	34	148	158	103	10	639	0.936708861	0.101163201
T0445	May 23 20	JWM	Group 1	EI Chayal	32757	8931	769	578	5880	35	176	186	120	17	717	0.946236559	0.09829932
T0446	May 23 20	JWM	Group 1	EI Chayal	31161	7260	599	583	5716	36	183	195	126	26	661	0.938461538	0.101994402
T0447	May 23 20	JWM	Group 1	EI Chayal	28866	16209	770	563	5648	39	175	188	114	19	592	0.930851064	0.099681303
T0447	May 23 20	JWM	Group 3	Ixtepeque	34009	8093	1218	420	8626	31	107	170	159	10	655	0.629411765	0.048690007
T0448	May 23 20	JWM	Group 1	EI Chayal	33126	7114	706	596	5959	35	167	175	109	15	731	0.954285714	0.100016781
T0450	13-Sep-11	JWM	Group 1	EI Chayal	30452	14597	715	566	5613	35	168	173	120	18	598	0.971098266	0.100837342
T0451	13-Sep-11	JWM	Group 1	EI Chayal	31844	7782	683	579	5797	42	178	197	131	21	653	0.903553299	0.099879248
T0452	13-Sep-11	JWM	Group 1	EI Chayal	28792	6431	624	553	5494	38	152	165	111	17	594	0.921212121	0.10065526
T0453	13-Sep-11	JWM	Group 1	EI Chayal	22741	5139	431	510	5143	34	180	182	120	22	657	0.989010989	0.099163912
T0455	13-Sep-11	JWM	Group 1	EI Chayal	28941	7458	653	538	5616	32	138	147	98	10	637	0.93877551	0.095797721
T0456	13-Sep-11	JWM	Group 1	EI Chayal	32726	13438	620	593	6059	41	200	215	141	34	810	0.930232558	0.097870936
T0457	13-Sep-11	JWM	Group 1	EI Chayal	29880	5451	703	563	5656	40	156	160	112	15	671	0.975	0.099540311
T0457	13-Sep-11	JWM	Group 1	EI Chayal	31470	5914	645	585	5786	40	180	191	129	22	734	0.942408377	0.101106118
T0458	13-Sep-11	JWM	Group 1	EI Chayal	28982	7073	725	528	5583	37	153	160	104	13	608	0.95625	0.09457281
T0459	13-Sep-11	JWM	Group 1	EI Chayal	30291	7133	592	537	5422	35	161	171	110	14	677	0.941520468	0.099040944
T0460	13-Sep-11	JWM	Group 1	EI Chayal	30993	5856	642	559	5574	28	179	194	125	24	678	0.922680412	0.100287047
T0461	13-Sep-11	JWM	Group 1	EI Chayal	37262	5243	671	557	5552	33	158	159	106	13	654	0.993710692	0.100324207
T0462	13-Sep-11	JWM	Group 1	EI Chayal	30339	6563	613	558	5678	29	156	165	108	15	723	0.945454545	0.09827404
T0463	13-Sep-11	JWM	Group 1	EI Chayal	30430	7246	661	558	5504	34	154	156	97	11	567	0.987179487	0.101380814
T0464	13-Sep-11	JWM	Group 1	EI Chayal	24141	18242	626	519	5447	34	170	178	117	21	662	0.95505618	0.095281806
T0465	13-Sep-11	JWM	Group 1	EI Chayal	29392	6391	663	567	5421	27	140	145	90	10	662	0.965517241	0.104593248
T0466	13-Sep-11	JWM	Group 1	EI Chayal	32283	6657	673	589	5777	32	155	155	103	13	666	1	0.101956033
T0467	13-Sep-11	JWM	Group 1	EI Chayal	29798	14023	707	546	5631	46	187	206	136	27	633	0.90776699	0.096963239
T0468	13-Sep-11	JWM	Group 1	EI Chayal	28247	5891	637	567	5483	35	174	184	121	17	596	0.945652174	0.103410542
T0469	13-Sep-11	JWM	Group 1	EI Chayal	31518	6236	621	577	5603	38	165	162	109	15	738	1.018518519	0.102980546
T0470	13-Sep-11	JWM	Group 1	EI Chayal	29644	7362	528	557	5401	30	143	158	102	13	697	0.905063291	0.10312905

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T0471	13-Sep-11	JWM	Group 1	El Chayal	31508	13914	666	549	5781	45	189	195	125	21	697	0.969230769	0.094966269
T0472	13-Sep-11	JWM	Group 1	El Chayal	29292	8723	577	542	5624	30	164	177	113	18	710	0.926553672	0.096372688
T0473	13-Sep-11	JWM	Group 2	San Martin	30664	8665	820	472	5887	30	113	203	97	8	630	0.556650246	0.08017666
T0474	13-Sep-11	JWM	Group 1	El Chayal	30667	7189	613	554	5632	37	181	184	124	22	764	0.983695652	0.098366477
T0475	13-Sep-11	JWM	Group 1	El Chayal	31300	7855	668	568	5738	33	147	165	99	11	662	0.890909091	0.098989195
T0476	13-Sep-11	JWM	Group 1	El Chayal	30799	8195	715	528	5590	41	188	193	131	21	640	0.974093264	0.094454383
T0477	13-Sep-11	JWM	Group 1	El Chayal	30001	7245	675	563	5480	31	174	171	117	19	633	1.01754386	0.102737226
T0478	13-Sep-11	JWM	Group 1	El Chayal	29897	19431	774	603	5981	34	190	196	130	25	657	0.969387755	0.100819261
T0479	13-Sep-11	JWM	Group 1	El Chayal	30681	6460	579	591	5831	39	176	186	121	23	711	0.946236559	0.101354828
T0480	13-Sep-11	JWM	Group 1	El Chayal	30223	6002	734	558	5673	40	166	178	119	22	516	0.93258427	0.098360656
T0481	13-Sep-11	JWM	Group 1	El Chayal	29352	5893	672	547	5585	33	168	173	113	22	671	0.971098266	0.097940913
T0482	13-Sep-11	JWM	Group 1	El Chayal	26642	5414	470	533	5366	38	172	177	119	20	707	0.971751412	0.099329109
T0483	13-Sep-11	JWM	Group 1	El Chayal	30061	7194	639	568	5689	41	150	159	97	14	637	0.943396226	0.0998418
T0484	13-Sep-11	JWM	Group 1	El Chayal	34113	7102	794	590	5884	37	165	177	111	15	628	0.93220339	0.100271924
T0485	13-Sep-11	JWM	Group 1	El Chayal	31951	9624	692	575	5658	52	183	194	134	24	658	0.943298969	0.101626016
T0486	13-Sep-11	JWM	Group 1	El Chayal	33313	6725	762	617	5966	27	177	191	124	21	635	0.926701571	0.103419376
T0487	13-Sep-11	JWM	Group 1	El Chayal	32294	10491	742	584	5916	31	168	188	121	20	651	0.893617021	0.098715348
T0488	13-Sep-11	JWM	Group 1	El Chayal	31377	8673	606	594	5828	42	176	178	125	18	709	0.988764045	0.101921757
T0489	13-Sep-11	JWM	Group 1	El Chayal	31558	6465	708	576	5997	38	169	173	120	17	680	0.976878613	0.096048024
T0490	13-Sep-11	JWM	Group 1	El Chayal	33671	9558	665	543	5774	36	168	178	119	19	735	0.943820225	0.094042258
T0491	13-Sep-11	JWM	Group 1	El Chayal	31699	9330	584	586	5838	45	179	180	121	17	781	0.994444444	0.100376841
T0492	13-Sep-11	JWM	Group 1	El Chayal	31666	6090	769	569	5694	32	157	166	99	11	584	0.945783133	0.099929751
T0493 A	13-Sep-11	JWM	Group 1	El Chayal	33722	11372	775	554	5780	34	164	169	113	15	684	0.970414201	0.095847751
T0493 B	13-Sep-11	JWM	Group 1	El Chayal	32657	5980	733	604	5768	37	160	170	107	15	726	0.941176471	0.104715673
T0493 C	13-Sep-11	JWM	Group 1	El Chayal	32220	6000	655	566	5682	36	152	160	101	11	646	0.95	0.099612812
T0493 D	13-Sep-11	JWM	Group 1	El Chayal	31400	7989	690	566	5780	36	162	165	108	15	690	0.981818182	0.097923875
T0493 E	13-Sep-11	JWM	Group 1	El Chayal	31674	6398	576	592	5830	32	171	176	117	17	768	0.971590909	0.101543739
T0494 A	13-Sep-11	JWM	Group 1	El Chayal	29456	5481	597	562	5589	29	143	148	101	9	660	0.966216216	0.100554661
T0494 B	13-Sep-11	JWM	Group 1	El Chayal	30380	5675	707	547	5763	35	161	175	111	18	653	0.92	0.094915842
T0495	13-Sep-11	JWM	Group 1	El Chayal	28381	16184	749	548	5461	32	166	169	108	15	535	0.982248521	0.100347922
T0496	13-Sep-11	JWM	Group 1	El Chayal	29725	8895	715	555	5535	33	150	166	107	16	628	0.903614458	0.100271003
T0497	13-Sep-11	JWM	Group 1	El Chayal	33918	7054	869	610	5905	36	166	175	117	20	598	0.948571429	0.103302286
T0498	13-Sep-11	JWM	Group 1	El Chayal	29819	7074	621	564	5528	32	162	172	120	18	687	0.941860465	0.102026049
T0499	13-Sep-11	JWM	Group 1	El Chayal	30077	12479	669	574	5686	33	155	172	107	13	726	0.901162791	0.100949701
T0500	9/1/11	CNK	Group 1	El Chayal	30445	13279	737	576	5579	34	159	170	116	19	584	0.935294118	0.103244309
T0501	9/1/11	CNK	Group 1	El Chayal	30672	6702	646	561	5571	33	162	167	108	11	688	0.97005988	0.100700054
T0502	9/1/11	CNK	Group 1	El Chayal	35933	13901	803	550	5720	39	164	174	109	17	610	0.942528736	0.096153846
T0503	9/1/11	CNK	Group 1	El Chayal	31519	6051	802	597	5674	28	170	185	126	22	582	0.918918919	0.105216778
T0504	9/1/11	CNK	Group 1	El Chayal	31780	7883	649	564	5615	37	153	162	105	12	727	0.944444444	0.100445236
T0505	9/1/11	CNK	Group 1	El Chayal	29809	6615	569	536	5480	29	158	170	111	16	703	0.929411765	0.097810219
T0506	9/1/11	CNK	Group 1	El Chayal	30863	21558	709	566	5782	38	163	180	117	20	689	0.905555556	0.097890003
T0507	9/1/11	CNK	Group 1	El Chayal	31110	6226	579	570	5475	34	157	160	105	12	665	0.98125	0.104109589
T0508 A	9/1/11	CNK	Group 1	El Chayal	31489	12891	702	595	5950	40	169	176	119	16	715	0.960227273	0.1
T0508 B	9/1/11	CNK	Group 1	El Chayal	33102	16948	751	588	6214	20	181	194	133	23	686	0.932989691	0.09462504
T0508 C	9/1/11	CNK	Group 1	El Chayal	31515	12269	706	603	5835	40	177	188	123	22	632	0.941489362	0.103341902
T0508 D	9/1/11	CNK	Group 1	El Chayal	38187	9019	1022	705	7061	50	226	245	154	35	620	0.92244898	0.099844215
T0509	9/1/11	CNK	Group 1	El Chayal	31362	8572	647	575	5683	32	171	176	121	20	680	0.971590909	0.101178955

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T0510	9/1/11	CNK	Group 1	El Chayal	29795	7713	770	567	5671	39	174	186	125	23	600	0.935483871	0.099982366
T0511	9/1/11	CNK	Group 1	El Chayal	31552	11309	777	585	5819	41	169	179	116	17	590	0.944134078	0.100532738
T0512	9/1/11	CNK	Group 2	San Martin	28390	9900	655	423	5778	27	112	207	106	12	713	0.541062802	0.073208723
T0513	9/1/11	CNK	Group 1	El Chayal	31487	5659	733	549	5634	36	156	165	109	14	636	0.945454545	0.097444089
T0514	9/1/11	CNK	Group 1	El Chayal	28344	5845	639	522	5334	28	159	158	105	15	577	1.006329114	0.097862767
T0515	9/1/11	CNK	Group 1	El Chayal	29053	9456	500	548	5586	30	166	175	115	18	687	0.948571429	0.098102399
T0516	9/1/11	CNK	Group 1	El Chayal	30519	6002	658	560	5685	36	169	173	113	19	648	0.976878613	0.098504837
T0517 A	9/1/11	CNK	Group 1	El Chayal	30891	7211	663	543	5654	41	158	167	108	17	677	0.946107784	0.096038203
T0517 B	9/1/11	CNK	Group 1	El Chayal	28914	6861	700	548	5460	32	142	149	102	13	611	0.953020134	0.1003663
T0517 C	9/1/11	CNK	Group 1	El Chayal	28665	5837	588	503	5279	27	146	157	96	10	597	0.929936306	0.095283198
T0517 D	9/1/11	CNK	Group 1	El Chayal	33148	6506	641	576	5726	37	171	174	113	18	675	0.982758621	0.100593783
T0518	9/1/11	CNK	Group 1	El Chayal	30508	6306	643	551	5594	28	148	162	105	14	639	0.913580247	0.098498391
T0519	9/1/11	CNK	Group 1	El Chayal	30776	7469	673	557	5691	47	185	196	129	25	703	0.943877551	0.097873836
T0520	9/1/11	CNK	Group 1	El Chayal	28740	6136	583	571	5336	39	164	169	106	15	644	0.970414201	0.107008996
T0521	9/1/11	CNK	Group 1	El Chayal	28945	5612	577	557	5374	32	160	170	108	15	616	0.941176471	0.10364719
T0522	9/1/11	CNK	Group 1	El Chayal	29210	5789	713	548	5433	27	141	159	100	8	550	0.886792453	0.100865084
T0523	9/1/11	CNK	Group 1	El Chayal	31927	6928	615	575	5605	32	170	188	125	19	627	0.904255319	0.102586976
T0524	9/1/11	CNK	Group 1	El Chayal	31287	6814	765	587	5663	36	181	196	121	24	638	0.923469388	0.103655306
T0525	9/1/11	CNK	Group 1	El Chayal	30659	6168	671	555	5656	35	168	172	120	15	666	0.976744186	0.098125884
T0526	9/1/11	CNK	Group 1	El Chayal	31333	7164	683	556	5746	40	166	177	114	18	651	0.937853107	0.096762966
T0526	9/1/11	CNK	Group 1	El Chayal	31803	8684	686	619	5955	42	188	198	135	22	708	0.949494949	0.103946264
T0527	9/1/11	CNK	Group 1	El Chayal	29845	20107	845	568	6030	39	162	174	112	16	549	0.931034483	0.094195688
T0528	9/1/11	CNK	Group 1	El Chayal	30124	6678	707	562	5697	27	169	179	113	20	697	0.944134078	0.098648411
T0529	9/1/11	CNK	Group 1	El Chayal	29864	6085	562	568	5685	47	149	165	108	14	739	0.903030303	0.099912049
T0530	9/1/11	CNK	Group 1	El Chayal	30931	7762	813	549	5658	41	161	177	112	17	581	0.90960452	0.097030753
T0531 A	9/1/11	CNK	Group 1	El Chayal	30066	6651	685	544	5592	29	160	161	110	15	669	0.99378882	0.097281831
T0531 B	9/1/11	CNK	Group 1	El Chayal	30954	8063	762	566	5632	38	163	172	108	13	609	0.947674419	0.100497159
T0532 A	9/1/11	CNK	Group 1	El Chayal	30839	5825	642	573	5586	37	165	177	118	17	670	0.93220339	0.102577873
T0532 B	9/1/11	CNK	Group 1	El Chayal	30432	8292	660	570	5556	38	172	184	123	18	692	0.934782609	0.102591793
T0533 A	9/1/11	CNK	Group 1	El Chayal	29482	5903	754	564	5447	34	153	165	106	16	524	0.927272727	0.103543235
T0533 B	9/1/11	CNK	Group 1	El Chayal	31844	6089	638	559	5418	31	144	156	103	11	621	0.923076923	0.103174603
T0533 C	9/1/11	CNK	Group 1	El Chayal	31175	6066	674	548	5517	46	158	165	113	18	623	0.957575758	0.099329346
T0533 D	9/1/11	CNK	Group 1	El Chayal	33336	6226	784	587	5598	32	167	173	117	16	675	0.965317919	0.104858878
T0533 E	9/1/11	CNK	Group 1	El Chayal	32188	6413	835	566	5645	42	161	180	113	18	542	0.894444444	0.100265722
T0535	9/1/11	CNK	Group 1	El Chayal	28567	6440	615	530	5393	30	150	162	109	9	673	0.925925926	0.098275542
T0536	9/1/11	CNK	Group 1	El Chayal	32490	5991	685	565	5790	37	151	158	102	10	682	0.955696203	0.097582038
T0537	9/1/11	CNK	Group 1	El Chayal	29980	5799	678	542	5504	28	137	145	92	6	579	0.944827586	0.098473837
T0538 A	9/1/11	CNK	Group 1	El Chayal	31124	5716	661	553	5639	34	164	173	117	18	630	0.947976879	0.098067033
T0538 B	9/1/11	CNK	Group 1	El Chayal	31180	5876	759	560	5647	37	154	162	107	14	587	0.950617284	0.0991677
T0538 C	9/1/11	CNK	Group 1	El Chayal	30519	6295	707	553	5595	36	167	186	117	23	612	0.897849462	0.098838248
T0538 D	9/1/11	CNK	Group 1	El Chayal	32492	6596	630	587	5845	47	206	214	133	26	754	0.962616822	0.100427716
T0539 A	9/1/11	CNK	Group 1	El Chayal	30823	5514	683	548	5465	42	154	169	108	18	683	0.911242604	0.100274474
T0539 B	9/1/11	CNK	Group 1	El Chayal	35574	9138	540	523	5332	51	175	167	113	13	730	1.047904192	0.098087022
T0539 C	9/1/11	CNK	Group 2	San Martin	31244	8245	720	476	6302	36	120	226	115	14	780	0.530973451	0.075531577
T0539 D	9/1/11	CNK	Group 1	El Chayal	30641	8512	633	549	5500	39	171	183	119	18	691	0.93442623	0.099818182
T0540	9/1/11	CNK	Group 1	El Chayal	31641	6905	694	566	5783	32	166	176	119	16	690	0.943181818	0.097873076
T0541	9/1/11	CNK	Group 1	El Chayal	30382	6305	692	575	5646	36	157	163	106	15	639	0.963190184	0.101842012

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T0542	9/1/11	CNK	Group 1	El Chayal	31525	6248		507	5456	35	173	179	115	20	627	0.966480447	0.09292522
T0543 A	9/1/11	CNK	Group 1	El Chayal	30509	5396	623	568	5602	29	151	165	107	15	675	0.915151515	0.10139236
T0543 B	9/1/11	CNK	Group 1	El Chayal	29374	5292	574	553	5366	25	140	152	97	11	677	0.921052632	0.10305628
T0543 C	9/1/11	CNK	Group 1	El Chayal	31634	5919	732	579	5739	47	169	178	119	17	626	0.949438202	0.100888657
T0543 D	9/1/11	CNK	Group 1	El Chayal	29877	6452	599	544	5611	32	139	154	101	12	626	0.902597403	0.096952415
T0544 A	9/1/11	CNK	Group 1	El Chayal	32218	6530	671	583	5745	33	175	175	119	20	583	1	0.101479547
T0544 B	9/1/11	CNK	Group 1	El Chayal	30271	6071	672	555	5458	30	163	177	122	20	665	0.920903955	0.101685599
T0545	9/1/11	CNK	Group 1	El Chayal	30715	5792	595	556	5651	35	174	185	123	21	705	0.940540541	0.098389666
T0546	9/1/11	CNK	Group 1	El Chayal	29773	6877	553	549	5575	32	151	156	99	10	735	0.967948718	0.098475336
T0547	9/1/11	CNK	Group 1	El Chayal	33101	7090	757	601	5865	38	198	202	142	23	608	0.98019802	0.102472293
T0548	9/1/11	CNK	Group 1	El Chayal	29590	6525	542	554	5291	28	150	163	109	15	660	0.920245399	0.104706105
T0549	9/1/11	CNK	Group 1	El Chayal	30293	7350	677	560	5617	28	157	161	104	14	654	0.97515528	0.099697347
T0550 1A	16-MY-201	JWM	Group 1	El Chayal	30375	5935	720	565	5594	35	162	166	109	20	569	0.975903614	0.101001073
T0550 1B	16-MY-201	JWM	Group 1	El Chayal	30427	6312	750	568	5605	33	160	169	105	17	633	0.946745562	0.101338091
T0550 1C	16-MY-201	JWM	Group 3	Ixtepeque	30990	18180	979	379	8348	24	121	188	180	20	777	0.643617021	0.045400096
T0550 1D	16-MY-201	JWM	Group 1	El Chayal	32048	6405	668	592	5952	34	184	201	127	24	729	0.915422886	0.099462366
T0550 1E	16-MY-201	JWM	Group 1	El Chayal	32540	7722	746	589	5734	36	159	173	110	13	698	0.919075145	0.102720614
T0550 1F	16-MY-201	JWM	Group 1	El Chayal	31804	9309	770	566	6063	43	161	174	109	15	636	0.925287356	0.093353126
T0550 1G	16-MY-201	JWM	Group 1	El Chayal	32251	6301	742	574	5803	35	161	170	113	15	610	0.947058824	0.098914355
T0550 1H	16-MY-201	JWM	Group 1	El Chayal	34748	6332	771	615	6030	35	179	199	129	18	686	0.899497487	0.10199005
T0550 1I	16-MY-201	JWM	Group 1	El Chayal	32299	8213	659	567	5660	39	168	177	118	14	710	0.949152542	0.100176678
T0550 1J	16-MY-201	JWM	Group 1	El Chayal	32825	6253	728	584	5859	43	182	199	127	21	611	0.914572864	0.099675713
T0550 2A	16-MY-201	JWM	Group 1	El Chayal	30516	5158	773	584	5739	24	158	169	107	14	529	0.934911243	0.101759888
T0550 2B	16-MY-201	JWM	Group 1	El Chayal	31307	5775	732	590	5853	35	180	189	125	26	638	0.952380952	0.100803007
T0550 2C	16-MY-201	JWM	Group 1	El Chayal	31961	5794	631	617	5967	25	172	174	113	18	775	0.988505747	0.103402045
T0550 2D	16-MY-201	JWM	Group 1	El Chayal	31432	7776	748	587	5734	38	169	183	124	21	563	0.923497268	0.102371817
T0550 2E	16-MY-201	JWM	Group 1	El Chayal	30368	5811	620	563	5706	36	164	173	110	17	638	0.947976879	0.098668069
T0550 2F	16-MY-201	JWM	Group 1	El Chayal	33486	6500	766	599	5899	38	166	180	116	16	600	0.922222222	0.101542634
T0550 2G	16-MY-201	JWM	Group 1	El Chayal	32152	7847	758	575	5787	38	164	180	111	16	609	0.911111111	0.099360636
T0550 2H	16-MY-201	JWM	Group 1	El Chayal	30184	5772	695	585	5767	38	166	177	122	18	638	0.937853107	0.101439223
T0550 2I	16-MY-201	JWM	Group 1	El Chayal	35351	6476	753	660	6191	42	182	190	123	19	677	0.957894737	0.106606364
T0550 2J	16-MY-201	JWM	Group 1	El Chayal	30595	12373	684	554	5630	37	152	174	106	15	635	0.873563218	0.098401421
T0550 3A	16-MY-201	JWM	Group 1	El Chayal	33879	7197	737	634	6194	30	200	207	140	28	688	0.966183575	0.10235712
T0550 3B	16-MY-201	JWM	Group 1	El Chayal	33717	6261	683	625	5944	38	167	173	118	15	711	0.965317919	0.105148048
T0550 3C	16-MY-201	JWM	Group 1	El Chayal	31411	6517	732	608	5948	37	188	209	133	29	650	0.899521531	0.102219233
T0550 3D	16-MY-201	JWM	Group 1	El Chayal	32767	6362	755	592	5921	40	185	195	131	22	661	0.948717949	0.099983111
T0550 3E	16-MY-201	JWM	Group 1	El Chayal	31789	7872	742	556	5635	34	177	192	126	22	687	0.921875	0.098669033
T0550 3F	16-MY-201	JWM	Group 1	El Chayal	33786	6075	685	632	6219	38	184	196	129	25	740	0.93877551	0.101624055
T0550 3G	16-MY-201	JWM	Group 1	El Chayal	37505	7210	807	714	6691	23	178	196	119	21	848	0.908163265	0.106710507
T0550 3H	16-MY-201	JWM	Group 1	El Chayal	33506	6378	896	625	6270	33	171	178	119	24	566	0.960674157	0.099681021
T0550 3I	16-MY-201	JWM	Group 1	El Chayal	37051	16330	805	616	6363	30	195	197	124	19	773	0.989847716	0.096809681
T0550 3J	16-MY-201	JWM	Group 1	El Chayal	35109	6710	699	623	6189	35	217	214	146	34	763	1.014018692	0.100662466
T0551	16-MY-201	JWM	Group 1	El Chayal	31476	6605	608	588	5752	44	167	173	115	17	712	0.965317919	0.102225313
T0552 A	16-MY-201	JWM	Group 1	El Chayal	32719	8321	740	601	5913	32	167	176	112	18	720	0.948863636	0.101640453
T0552 B	16-MY-201	JWM	Group 1	El Chayal	33316	9164	658	598	5824	41	164	179	114	19	691	0.916201117	0.102678571
T0552 C	16-MY-201	JWM	Group 1	El Chayal	52980	7447	613	551	5875	32	156	168	110	14	714	0.928571429	0.093787234
T0553	9/1/11	CNK	Group 1	El Chayal	30770	5988	730	565	5691	28	156	169	111	16	644	0.923076923	0.099279564

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T0554	16-MY-201	JWM	Group 1	EI Chayal	29743	10785	634	556	5771	64	188	201	126	23	711	0.935323383	0.096343788
T0555	16-MY-201	JWM	Group 1	EI Chayal	31137	8864	708	582	5679	33	155	175	117	19	661	0.885714286	0.102482831
T0556 A	4/25/11	JWM	Group 1	EI Chayal	31494	5743	749	571	5827	31	141	154	99	10	623	0.915584416	0.097992106
T0556 B	4/25/11	JWM	Group 1	EI Chayal	31612	7539	717	597	6063	27	168	175	116	15	657	0.96	0.098466106
T0556 C	4/25/11	JWM	Group 1	EI Chayal	31755	6073	724	569	5786	37	165	178	117	17	696	0.926966292	0.098340823
T0556 D	4/25/11	JWM	Group 1	EI Chayal	30897	9023	631	576	5717	34	157	170	110	15	647	0.923529412	0.100752143
T0556 E	4/25/11	JWM	Group 1	EI Chayal	35572	6722	797	640	6192	45	191	214	134	30	707	0.892523364	0.103359173
T0556 F	4/25/11	JWM	Group 1	EI Chayal	33044	6275	695	594	6059	33	188	188	123	18	686	1	0.09803598
T0557 A	16-MY-201	JWM	Group 1	EI Chayal	29919	5921	659	549	5561	31	147	160	103	13	664	0.91875	0.098723251
T0557 B	16-MY-201	JWM	Group 1	EI Chayal	30048	10165	775	533	5556	28	138	142	95	7	515	0.971830986	0.095932325
T0558	16-MY-201	JWM	Group 1	EI Chayal	53182	5684	673	578	5429	28	163	172	109	15	610	0.947674419	0.106465279
T0559	4/25/11	JWM	Group 1	EI Chayal	31639	8164	586	528	5041	27	151	144	91	14	538	1.048611111	0.104741123
T0560	16-MY-201	JWM	Group 1	EI Chayal	31445	10149	734	556	5781	37	169	182	122	20	648	0.928571429	0.096177132
T0561	4/25/11	JWM	Group 1	EI Chayal	30363	6195	589	557	5569	32	154	167	105	14	681	0.922155689	0.100017957
T0562	16-MY-201	JWM	Group 2	San Martin	31617	10258	693	470	6217	32	117	210	105	10	740	0.557142857	0.075599164
T0563 A	16-MY-201	JWM	Group 1	EI Chayal	31693	15548	668	564	5894	40	153	156	97	7	721	0.980769231	0.095690533
T0563 B	16-MY-201	JWM	Group 1	EI Chayal	32559	10832	777	586	5989	39	165	173	110	17	659	0.953757225	0.097846051
T0563 C	16-MY-201	JWM	Group 1	EI Chayal	29572	5778	676	552	5540	34	160	175	114	22	623	0.914285714	0.099638989
T0564	16-MY-201	JWM	Group 1	EI Chayal	29839	6716	653	553	5491	31	142	160	99	10	641	0.8875	0.100710253
T0565	16-MY-201	JWM	Group 1	EI Chayal	31324	17578	671	551	5672	51	163	166	106	13	777	0.981927711	0.097143865
T0566	4/25/11	JWM	Group 1	EI Chayal	40395	6154	667	568	5676	34	147	159	103	13	679	0.924528302	0.100070472
T0567 A	4/25/11	JWM	Group 1	EI Chayal	35123	19167	938	603	6063	31	162	164	114	16	513	0.987804878	0.099455715
T0567 B	4/25/11	JWM	Group 1	EI Chayal	30118	7961	716	549	5587	30	145	162	107	13	610	0.895061728	0.098263827
T0568 A	16-MY-201	JWM	Group 1	EI Chayal	32177	5838	641	558	5669	42	171	182	116	20	742	0.93956044	0.098430058
T0568 B	16-MY-201	JWM	Group 1	EI Chayal	31121	6607	702	588	5758	33	175	186	122	23	621	0.940860215	0.102118791
T0568 C	16-MY-201	JWM	Group 1	EI Chayal	32997	6206	795	607	5931	40	196	199	132	22	689	0.984924623	0.102343618
T0568 D	16-MY-201	JWM	Group 1	EI Chayal	35127	7183	713	606	6227	43	200	210	137	23	782	0.952380952	0.097318131
T0568 E	16-MY-201	JWM	Group 1	EI Chayal	31517	5831	785	573	5646	40	180	197	123	23	583	0.913705584	0.101487779
T0568 F	16-MY-201	JWM	Group 1	EI Chayal	30959	8300	640	573	5842	38	184	199	132	23	694	0.924623116	0.098082848
T0569 A	16-MY-201	JWM	Group 1	EI Chayal	30483	5632	731	571	5562	24	149	161	100	11	562	0.925465839	0.102660913
T0569 B	16-MY-201	JWM	Group 1	EI Chayal	41028	7019	624	562	5464	30	149	153	101	8	720	0.973856209	0.102855051
T0569 C	16-MY-201	JWM	Group 1	EI Chayal	31402	9641	611	602	5876	39	172	192	120	21	706	0.895833333	0.102450647
T0569 D	16-MY-201	JWM	Group 1	EI Chayal	30907	5740	691	563	5620	38	151	148	93	11	604	1.02027027	0.100177936
T0569 E	16-MY-201	JWM	Group 1	EI Chayal	35263	5886	758	588	5761	41	153	172	108	13	635	0.889534884	0.102065614
T0570 A	4/25/11	JWM	Group 1	EI Chayal	29515	8046	664	574	5468	25	133	140	87	7	569	0.95	0.104974396
T0570 B	4/25/11	JWM	Group 1	EI Chayal	30981	11588	617	549	5648	30	161	175	110	17	674	0.92	0.09720255
T0571 A	4/25/11	JWM	Group 1	EI Chayal	31227	6342	703	578	5704	35	141	150	95	12	638	0.94	0.101332398
T0571 B	4/25/11	JWM	Group 1	EI Chayal	31850	6874	638	586	5819	34	165	164	106	19	730	1.006097561	0.100704588
T0571 C	4/25/11	JWM	Group 1	EI Chayal	31118	6128	791	606	5665	29	166	172	113	20	609	0.965116279	0.106972639
T0571 D	4/25/11	JWM	Group 1	EI Chayal	30908	7011	756	559	5576	31	149	168	100	11	604	0.886904762	0.100251076
T0571 E	4/25/11	JWM	Group 1	EI Chayal	32102	7617	681	589	5777	46	171	182	113	19	692	0.93956044	0.101956033
T0571 F	4/25/11	JWM	Group 1	EI Chayal	27803	5367	490	513	5220	25	130	142	85	9	651	0.915492958	0.098275862
T0571 G	4/25/11	JWM	Group 1	EI Chayal	31780	6283	661	553	5587	27	147	159	99	14	662	0.924528302	0.098979774
T0572 A	16-MY-201	JWM	Group 1	EI Chayal	29504	7309	721	541	5422	24	148	153	94	9	568	0.967320261	0.099778679
T0572 B	16-MY-201	JWM	Group 1	EI Chayal	30157	7312	688	561	5622	46	181	201	125	25	635	0.900497512	0.099786553
T0572 C	16-MY-201	JWM	Group 1	EI Chayal	30169	6481	728	577	5608	35	169	177	111	17	629	0.95480226	0.10288873
T0572 D	16-MY-201	JWM	Group 1	EI Chayal	33987	9923	899	628	6144	62	217	225	148	31	587	0.964444444	0.102213542

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T0572 E	16-MY-201	JWM	Group 1	El Chayal	31373	6146	625	571	5593	45	218	216	145	36	728	1.009259259	0.102091901
T0572 F	16-MY-201	JWM	Group 1	El Chayal	35862	7618	809	616	6364		191	197	133	24	687	0.969543147	0.096794469
T0573	16-MY-201	JWM	Group 1	El Chayal	31788	5409	628	594	5652	33	169	173	112	21	649	0.976878613	0.105095541
T0574	4/25/11	JWM	Group 1	El Chayal	32017	5865	717	560	5676	34	149	152	98	10	581	0.980263158	0.098661029
T0575A	16-MY-201	JWM	Group 1	El Chayal	32583	6636	551	571	5685	38	161	164	112	18	742	0.981707317	0.100439754
T0575B	16-MY-201	JWM	Group 1	El Chayal	31047	7713	792	583	5809	20	161	167	105	11	558	0.964071856	0.100361508
T0575C	16-MY-201	JWM	Group 1	El Chayal	29729	6219	576	561	5538	34	149	155	102	12	693	0.961290323	0.101300108
T0575D	16-MY-201	JWM	Group 1	El Chayal	31856	11858	715	564	5782	44	154	173	108	15	688	0.89017341	0.097544102
T0576	4/25/11	JWM	Group 1	El Chayal	32456	10936	741	579	5934	32	159	168	112	13	672	0.946428571	0.097573306
T0577	4/25/11	JWM	Group 1	El Chayal	32445	7505	664	630	6028	40	165	168	117	16	767	0.982142857	0.104512276
T0578	4/25/11	JWM	Group 1	El Chayal	30727	7119	773	569	5704	26	149	157	105	14	585	0.949044586	0.099754558
T0579	16-MY-201	JWM	Group 1	El Chayal	31920	6173	669	601	5733	38	159	163	110	10	743	0.975460123	0.104831676
T0580	16-MY-201	JWM	Group 1	El Chayal	31339	7061	600	589	5812	43	170	185	115	14	758	0.918918919	0.101342051
T0581	4/25/11	JWM	Group 1	El Chayal	31831	6012	579	560	5705	36	168	174	117	19	740	0.965517241	0.098159509
T0582	16-MY-201	JWM	Group 1	El Chayal	30370	7236	612	559	5521	31	169	178	113	16	667	0.949438202	0.101249774
T0583	4/25/11	JWM	Group 1	El Chayal	30354	5870	542	563	5593	29	139	152	95	10	757	0.914473684	0.100661541
T0584	16-MY-201	JWM	Group 3	Ixtepeque	34044	7819	1146	414	8772	33	110	165	171	14	665	0.666666667	0.047195622
T0585 A	16-MY-201	JWM	Group 1	El Chayal	30965	5934	684	561	5634	33	152	166	101	16	641	0.915662651	0.099574015
T0585 B	16-MY-201	JWM	Group 1	El Chayal	34079	9109	607	588	5910	40	176	187	127	23	789	0.941176471	0.099492386
T0586	9/6/11	JWM	Group 1	El Chayal	33673	6056	673	590	5820	42	161	179	112	15	719	0.899441341	0.10137457
T0587	9/6/11	JWM	Group 1	El Chayal	29535	5484	736	549	5472	29	154	165	108	15	597	0.933333333	0.100328947
T0588	9/6/11	JWM	Group 1	El Chayal	30650	6050	643	565	5694	31	160	167	110	21	685	0.958083832	0.099227257
T0589	9/6/11	JWM	Group 1	El Chayal	39511	6633	596	540	5301	28	160	167	106	16	658	0.958083832	0.101867572
T0590	9/6/11	JWM	Group 1	El Chayal	32941	7245	692	577	5767	31	173	176	116	14	713	0.982954545	0.10005202
T0591	9/6/11	JWM	Group 1	El Chayal	28446	5906	713	529	5311	29	152	155	100	11	599	0.980645161	0.099604594
T0592	9/6/11	JWM	Group 1	El Chayal	29424	6394	623	529	5350	29	140	146	98	13	675	0.95890411	0.098878505
T0593	9/6/11	JWM	Group 1	El Chayal	29017	7497	591	545	5453	23	146	152	100	9	653	0.960526316	0.099944984
T0594	9/6/11	JWM	Group 1	El Chayal	30583	6570	682	568	5467	28	143	147	100	9	615	0.972789116	0.103896104
T0595	9/6/11	JWM	Group 1	El Chayal	31061	6430	767	575	5653	33	156	168	106	16	560	0.928571429	0.101715903
T0596	9/6/11	JWM	Group 1	El Chayal	28176	6778	539	535	5363	33	154	158	107	13	663	0.974683544	0.099757598
T0597	9/6/11	JWM	Group 1	El Chayal	32453	5628	768	584	5666	27	148	161	93	11	618	0.919254658	0.10307095
T0598	9/6/11	JWM	Group 1	El Chayal	31344	6417	715	564	5686	24	150	160	96	11	640	0.9375	0.099190995
T0599	9/6/11	JWM	Group 1	El Chayal	28981	6350	597	541	5453	25	140	151	101	13	690	0.927152318	0.099211443
T0600	9/6/11	JWM	Group 1	El Chayal	29207	5434	683	544	5523	23	138	147	96	11	581	0.93877551	0.098497194
T0601	9/6/11	JWM	Group 1	El Chayal	30510	5724	710	556	5502	35	150	161	107	15	559	0.931677019	0.101054162
T0602	9/6/11	JWM	Group 1	El Chayal	29216	5712	683	538	5491	27	155	164	110	15	627	0.945121951	0.09797851
T0603	9/6/11	JWM	Group 1	El Chayal	33050	6969	651	538	5619	29	143	160	100	11	643	0.89375	0.095746574
T0604	9/6/11	JWM	Group 1	El Chayal	28926	9253	587	531	5330	41	162	168	113	17	700	0.964285714	0.099624765
T0605	9/6/11	JWM	Group 1	El Chayal	32006	6212	610	591	5752	26	153	155	98	15	726	0.987096774	0.102746871
T0606	9/6/11	JWM	Group 1	El Chayal	32807	5961	795	613	5809	30	146	156	98	11	632	0.935897436	0.105525908
T0607	9/6/11	JWM	Group 1	El Chayal	30290	6499	663	567	5648	27	152	160	106	11	702	0.95	0.100389518
T0607	9/6/11	JWM	Group 1	El Chayal	31861	5994	689	609	5827	28	153	168	107	14	637	0.910714286	0.104513472
T0608	9/6/11	JWM	Group 1	El Chayal	29713	6977	607	519	5456	22	137	140	92	12	645	0.978571429	0.095124633
T0609	9/6/11	JWM	Group 1	El Chayal	32927	6851	766	564	5470	25	147	159	100	12	594	0.924528302	0.103107861
T0610	9/6/11	JWM	Group 1	El Chayal	53727	7338	516	513	5227	29	149	157	99	12	711	0.949044586	0.098144251
T0611	9/6/11	JWM	Group 1	El Chayal	33333	5288	528	535	5310	15	136	145	93	11	670	0.937931034	0.100753296
T0612	9/6/11	JWM	Group 1	El Chayal	32022	6821	634	572	5570	34	164	173	111	20	716	0.947976879	0.102692998



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T0613	9/6/11	JWM	Group 1	El Chayal	34234	10330	702	547	5633	38	157	164	106	12	623	0.957317073	0.097106338
T0614	9/6/11	JWM	Group 1	El Chayal	61964	6263	625	553	5500	35	157	160	104	11	659	0.98125	0.100545455
T0615	9/6/11	JWM	Group 1	El Chayal	31809	6577	709	579	5642	33	152	172	112	17	613	0.88372093	0.102623183
T0616	9/6/11	JWM	Group 1	El Chayal	30843	6134	659	588	5504	37	146	159	105	16	573	0.918238994	0.106831395
T0617	9/6/11	JWM	Group 1	El Chayal	33797	10370	645	563	6029	22	167	179	123	24	767	0.932960894	0.093381987
T0618	9/6/11	JWM	Group 1	El Chayal	30178	6747	638	580	5635	36	141	156	94	11	692	0.903846154	0.102928128
T0619	9/6/11	JWM	Group 1	El Chayal	34249	8411	850	627	6093	27	171	188	118	17	634	0.909574468	0.102904973
T0620	9/6/11	JWM	Group 1	El Chayal	30786	6053	670	536	5441	30	136	147	97	11	653	0.925170068	0.098511303
T0621	9/6/11	JWM	Group 1	El Chayal	31791	8363	690	585	5661	28	145	159	105	11	639	0.911949686	0.103338633
T0622	9/6/11	JWM	Group 1	El Chayal	30054	6559	632	552	5722	33	155	166	110	15	690	0.93373494	0.096469766
T0623	9/6/11	JWM	Group 1	El Chayal	54910	5760	714	528	5293	30	150	166	107	14	572	0.903614458	0.099754393
T0624	9/6/11	JWM	Group 3	Ixtepeque	32255	7360	1107	403	8612	21	95	156	151	10	583	0.608974359	0.04679517
T0625	9/6/11	JWM	Group 1	El Chayal	30174	6707	706	574	5673	35	147	153	100	13	647	0.960784314	0.101181033
T0626	9/6/11	JWM	Group 1	El Chayal	31137	7878	530	602	5787	28	156	167	109	18	734	0.934131737	0.104026266
T0627	9/6/11	JWM	Group 1	El Chayal	28012	6010	681	541	5497	27	149	156	104	12	630	0.955128205	0.098417319
T0628	9/6/11	JWM	Group 1	El Chayal	28221	11923	656	540	5480	32	152	149	103	12	659	1.020134228	0.098540146
T0629	9/6/11	JWM	Group 1	El Chayal	28841	5687	551	537	5526		114	117	79		682	0.974358974	0.097176982
T0630	9/6/11	JWM	Group 1	El Chayal	31475	5777	823	578	5655	29	138	143	95	9	615	0.965034965	0.102210433
T0631	9/6/11	JWM	Group 1	El Chayal	33035	6064	684	579	5800	35	159	161	110	13	679	0.98757764	0.099827586
T0632	9/6/11	JWM	Group 1	El Chayal	29670	5434	645	541	5545	37	146	156	105	13	737	0.935897436	0.097565374
T0633	9/6/11	JWM	Group 1	El Chayal	30118	6951	587	579	5519	31	149	162	109	14	611	0.919753086	0.10491031
T0634	9/6/11	JWM	Group 1	El Chayal	29889	7394	651	586	5583	34	147	167	104	14	608	0.880239521	0.10496149
T0635	9/6/11	JWM	Group 1	El Chayal	30924	5677	611	577	5483	30	153	163	106	14	719	0.938650307	0.105234361
T0636	9/6/11	JWM	Group 1	El Chayal	30321	8242	627	556	5495	31	144	154	105	10	613	0.935064935	0.101182894
T0637	9/6/11	JWM	Group 1	El Chayal	52534	5865	662	551	5409	28	152	159	103	14	582	0.955974843	0.101867258
T0638	9/6/11	JWM	Group 1	El Chayal	32807	6971	665	562	5886	35	175	182	122	20	654	0.961538462	0.095480802
T0639	9/6/11	JWM	Group 1	El Chayal	31685	6908	655	575	5626	34	153	170	110	17	706	0.9	0.102204053
T0640	9/6/11	JWM	Group 1	El Chayal	30329	8420	672	541	5495	32	151	161	98	11	635	0.937888199	0.098453139
T0641	9/6/11	JWM	Group 1	El Chayal	29773	8186	540	528	5441	30	144	155	100	15	634	0.929032258	0.097040985
T0642	9/6/11	JWM	Group 1	El Chayal	31782	6517	714	592	5883	35	152	158	100	12	638	0.962025316	0.100628931
T0643	9/6/11	JWM	Group 1	El Chayal	31696	6691	656	565	5612	39	157	158	109	11	691	0.993670886	0.10067712
T0644	9/6/11	JWM	Group 1	El Chayal	32427	5580	695	583	5689	33	158	171	108	13	648	0.923976608	0.102478467
T0645	9/6/11	JWM	Group 1	El Chayal	29357	5742	658	539	5509	36	151	163	102	10	696	0.926380368	0.097839898
T0646	9/6/11	JWM	Group 1	El Chayal	29611	6578	615	581	5689	28	145	157	97	13	664	0.923566879	0.102126912
T0647	9/6/11	JWM	Group 1	El Chayal	27388	5948	574	527	5368	20	143	151	98	12	620	0.947019868	0.098174367
T0648	9/6/11	JWM	Group 1	El Chayal	31810	6199	736	570	5785	33	157	168	107	16	642	0.93452381	0.098530683
T0649	9/6/11	JWM	Group 1	El Chayal	31101	5911	737	567	5774	29	148	159	101	10	581	0.93081761	0.098198822
T0650	9/6/11	JWM	Group 1	El Chayal	31356	7428	607	577	5811	27	157	172	110	15	745	0.912790698	0.099294442
T0651	9/6/11	JWM	Group 1	El Chayal	29870	5219	703	543	5709	28	165	172	122	19	602	0.959302326	0.09511298
T0652	9/6/11	JWM	Group 1	El Chayal	29223	5624	645	539	5328	36	152	165	106	14	657	0.921212121	0.101163664
T0653	9/6/11	JWM	Group 1	El Chayal	30889	6676	606	538	5028	34	161	154	95	11	618	1.045454545	0.107000796
T0654	9/6/11	JWM	Group 1	El Chayal	31799	6510	749	562	5685	29	160	165	111	17	618	0.96969697	0.09885664
T0655	9/6/11	JWM	Group 1	El Chayal	30573	8189	708	567	5731	39	168	177	118	16	675	0.949152542	0.098935613
T0656	9/6/11	JWM	Group 1	El Chayal	35865	7312	633	595	6008	32	167	182	119	17	772	0.917582418	0.099034621
T0657	9/6/11	JWM	Group 1	El Chayal	30980	7814	728	536	5626	36	165	171	117	18	673	0.964912281	0.095271952
T0658	9/6/11	JWM	Group 1	El Chayal	31292	6706	735	551	5621	34	161	176	109	16	683	0.914772727	0.098025262
T0659	9/6/11	JWM	Group 1	El Chayal	27514	13269	714	519	5485	27	143	151	98	13	525	0.947019868	0.094621696

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T0660	9/6/11	JWM	Group 1	EI Chayal	30021	8199	585	571	5523	30	154	158	107	10	675	0.974683544	0.103385841
T0661	9/6/11	JWM	Group 1	EI Chayal	29843	5800	679	539	5395	30	150	157	101	14	627	0.955414013	0.099907322
T0662	9/6/11	JWM	Group 1	EI Chayal	31108	9589	716	564	5608	36	153	159	103	10	696	0.962264151	0.100570613
T0663	9/6/11	JWM	Group 1	EI Chayal	28861	8896	699	522	5609	33	152	153	100	13	649	0.993464052	0.093064717
T0664	9/6/11	JWM	Group 1	EI Chayal	30118	6031	597	530	5410	27	160	168	111	12	679	0.952380952	0.097966728
T0665	9/6/11	JWM	Group 1	EI Chayal	32331	6890	766	591	5667	30	148	150	90	8	581	0.986666667	0.104287983
T0666	9/6/11	JWM	Group 1	EI Chayal	28210	13205	658	529	5438	23	149	149	96	9	543	1	0.097278411
T0668	9/6/11	JWM	Group 1	EI Chayal	31395	10113	754	556	5838	35	185	195	134	25	657	0.948717949	0.095238095
T0669	4/18/11	JM	Group 1	EI Chayal	29680	6087	615	542	5488	24	154	159	112	17	642	0.968553459	0.098760933
T0670	4/18/11	JM	Group 1	EI Chayal	30732	6761	781	598	5884	23	185	195	135	32	625	0.948717949	0.101631543
T0671	4/18/11	JM	Group 1	EI Chayal	31062	6119	714	559	5755	42	179	180	121	20	607	0.994444444	0.097132928
T0672	4/18/11	JM	Group 1	EI Chayal	37167	5335	705	559	5523	31	140	154	98	12	650	0.909090909	0.101213109
T0673 O	4/18/11	JM	Group 1	EI Chayal	35581	6816	744	630	6138	36	176	183	110	21	634	0.961748634	0.102639296
T0673 A	4/18/11	JM	Group 1	EI Chayal	31684	7234	714	590	5995	30	171	176	124	22	752	0.971590909	0.098415346
T0673 B	4/18/11	JM	Group 1	EI Chayal	31154	6120	647	573	5741	33	158	166	106	16	701	0.951807229	0.099808396
T0673 C	4/18/11	JM	Group 1	EI Chayal	29712	9856	701	537	5569	21	150	158	103	17	706	0.949367089	0.096426648
T0673 D	4/18/11	JM	Group 1	EI Chayal	31034	7380	671	578	5854	36	160	170	113	21	641	0.941176471	0.098735907
T0673 E	4/18/11	JM	Group 1	EI Chayal	30440	5653	727	548	5616	26	144	158	109	13	565	0.911392405	0.097578348
T0673 F	4/18/11	JM	Group 1	EI Chayal	29706	5762	750	554	5498	36	167	169	111	21	548	0.98816568	0.100763914
T0673 G	4/18/11	JM	Group 1	EI Chayal	30241	6309	733	566	5662	33	163	178	117	19	618	0.915730337	0.099964677
T0673 H	4/18/11	JM	Group 1	EI Chayal	30118	5858	782	541	5616	36	160	162	105	15	533	0.987654321	0.096331909
T0673 I	4/18/11	JM	Group 1	EI Chayal	31180	6584	701	571	5786	34	161	172	114	19	668	0.936046512	0.098686485
T0673 J	4/18/11	JM	Group 1	EI Chayal	32423	5566	573	528	4739	28	156	152	92	13	636	1.026315789	0.111415911
T0673 K	4/18/11	JM	Group 1	EI Chayal	31685	6257	613	585	5788	32	177	192	127	25	674	0.921875	0.101071182
T0673 L	4/18/11	JM	Group 1	EI Chayal	31570	6530	690	573	5662	34	145	158	101	13	659	0.917721519	0.101200989
T0673 M	4/18/11	JM	Group 1	EI Chayal	37420	6158	771	571	5679	35	160	168	106	18	598	0.952380952	0.100545871
T0673 N	4/18/11	JM	Group 1	EI Chayal	30991	6077	778	571	5681	35	161	172	112	18	537	0.936046512	0.100510474
T0674	4/18/11	JM	Group 1	EI Chayal	32030	7998	678	591	5834	28	152	162	105	14	659	0.938271605	0.101302708
T0675	4/18/11	JM	Group 1	EI Chayal	30455	5442	711	552	5520	29	165	169	111	16	564	0.976331361	0.1
T0676	4/18/11	JM	Group 1	EI Chayal	32889	7164	822	609	5876	35	190	193	124	29	618	0.984455959	0.103641933
T0677 A	4/18/11	JM	Group 1	EI Chayal	31587	5258	687	569	5586	35	136	140	96	7	605	0.971428571	0.101861797
T0677 B	4/18/11	JM	Group 1	EI Chayal	31061	7455	705	581	5789	34	135	144	95	9	674	0.9375	0.100362757
T0677 C	4/18/11	JM	Group 1	EI Chayal	29595	6507	691	555	5478	30	140	144	96	12	619	0.972222222	0.101314348
T0677 D	4/18/11	JM	Group 1	EI Chayal	31836	5725	734	587	5751	32	144	149	92	9	628	0.966442953	0.102069205
T0678	4/18/11	JM	Group 1	EI Chayal	31989	6770	865	607	5828	33	155	165	109	12	504	0.939393939	0.104152368
T0679 A	4/18/11	JM	Group 1	EI Chayal	29911	6331	812	559	5649	39	156	169	108	13	574	0.923076923	0.098955567
T0679 B	4/18/11	JM	Group 1	EI Chayal	31878	6617	630	551	5910	47	165	167	108	17	736	0.988023952	0.09323181
T0679 C	4/18/11	JM	Group 1	EI Chayal	33606	6418	735	576	5867	50	175	182	122	21	658	0.961538462	0.09817624
T0680	4/18/11	JM	Group 1	EI Chayal	30065	9091	720	567	5698	35	147	153	97	12	587	0.960784314	0.0995086
T0681	4/11/11	JM	Group 1	EI Chayal	29602	5919	692	540	5462	28	141	143	94	12	618	0.986013986	0.098864885
T0682	4/11/11	JM	Group 1	EI Chayal	28215	5363	512	552	5335	33	132	144	94	9	677	0.916666667	0.103467666
T0683	4/11/11	JM	Group 1	EI Chayal	30416	5982	677	554	5590	30	130	143	91	5	704	0.909090909	0.099105546
T0684	4/11/11	JM	Group 1	EI Chayal	30789	6432	776	550	5660	35	136	146	93	8	621	0.931506849	0.097173145
T0685	4/11/11	JM	Group 1	EI Chayal	30809	5391	723	556	5411	32	143	144	96	6	591	0.993055556	0.10275365
T0686	4/11/11	JM	Group 1	EI Chayal	31209	6043	738	574	5725	36	142	155	100	9	669	0.916129032	0.100262009
T0687	4/11/11	JM	Group 1	EI Chayal	29038	5792	570	544	5354	33	140	143	94	7	685	0.979020979	0.101606276
T0688	4/11/11	JM	Group 1	EI Chayal	29453	5714	649	546	5431	32	140	148	93	11	633	0.945945946	0.100533972

Supplemental Table 1. Elemental Concentrations in Obsidian Artifacts from Tikal, Guatemala, as Determined by pXRF. Concentrations are in ppm.

T0689	4/11/11	JM	Group 1	EI Chayal	29577	5376	712	559	5409	32	134	148	94	9	590	0.905405405	0.103346275
T0690	4/11/11	JM	Group 1	EI Chayal	30222	5843	558	549	5575	27	138	146	96	8	730	0.945205479	0.098475336
T0691	4/11/11	JM	Group 1	EI Chayal	30411	5765	637	568	5485	27	139	149	90	8	666	0.932885906	0.10355515
T0692	4/11/11	JM	Group 1	EI Chayal	31113	5737	552	537	5490	37	138	147	100	9	745	0.93877551	0.097814208
T0693	4/11/11	JM	Group 1	EI Chayal	29793	6218	535	530	5324	31	145	148	94	11	738	0.97972973	0.099549211
T0694	4/11/11	JM	Group 1	EI Chayal	30707	5842	770	570	5475	33	139	147	98	11	542	0.945578231	0.104109589
T0695	4/11/11	JM	Group 1	EI Chayal	29036	5694	599	553	5314	27	138	145	94	7	550	0.951724138	0.104064735
T0696	4/11/11	JM	Group 1	EI Chayal	30019	5697	708	562	5464	32	131	149	87		618	0.879194631	0.102855051
T0697	4/11/11	JM	Group 1	EI Chayal	30457	5992	690	554	5470	39	142	149	92	7	593	0.953020134	0.101279707
T0698	4/11/11	JM	Group 1	EI Chayal	32071	5757	683	585	5624	35	141	151	92	11	688	0.933774834	0.104018492
T0699	4/11/11	JM	Group 1	EI Chayal	31561	7578	672	544	5731	36	135	145	94	10	673	0.931034483	0.094922352
T0700	4/11/11	JM	Group 1	EI Chayal	30065	5688	694	542	5426	32	144	146	92	10	577	0.98630137	0.099889421
T0701	4/11/11	JM	Group 1	EI Chayal	30414	5534	631	564	5489	25	136	148	87	7	690	0.918918919	0.102750956
T0702	4/11/11	JM	Group 1	EI Chayal	29812	6704	788	547	5442	35	143	149	101	6	603	0.959731544	0.100514517
T0703	4/11/11	JM	Group 1	EI Chayal	29590	5817	666	542	5320	29	134	146	88	11	635	0.917808219	0.101879699
T0704	4/11/11	JM	Group 1	EI Chayal	31225	5520	680	576	5539	41	137	143	94	10	698	0.958041958	0.10398989
T0705	4/11/11	JM	Group 1	EI Chayal	31194	7648	706	555	5680	39	139	155	100	11	662	0.896774194	0.097711268
T0706	4/11/11	JM	Group 1	EI Chayal	30766	6024	654	560	5711	39	131	143	88	5	756	0.916083916	0.098056382
T0707	4/11/11	JM	Group 1	EI Chayal	30379	7115	622	549	5529	29	133	148	95	7	672	0.898648649	0.099294628
T0708	4/11/11	JM	Group 1	EI Chayal	30195	6237	772	580	5539	25	138	147	97	7	589	0.93877551	0.104712042
T0709	4/11/11	JM	Group 1	EI Chayal	30135	5686	653	563	5477	34	138	141	92	7	684	0.978723404	0.1027935
T0710	4/11/11	JM	Group 1	EI Chayal	30458	5595	624	564	5525	34	133	142	92	8	678	0.936619718	0.102081448
T0711	4/11/11	JM	Group 1	EI Chayal	30263	5533	705	561	5514	28	138	149	87	8	660	0.926174497	0.101741023
T0712	4/11/11	JM	Group 1	EI Chayal	30230	5963	538	539	5338	34	133	138	92	5	773	0.963768116	0.100974148
T0713	4/11/11	JM	Group 1	EI Chayal	30211	5818	810	562	5551	35	139	149	96	8	544	0.932885906	0.101243019
T0714	4/11/11	JM	Group 1	EI Chayal	29544	6024	739	551	5479	28	137	148	91	7	600	0.925675676	0.100565797
T0715	4/11/11	JM	Group 1	EI Chayal	29199	5444	646	548	5391	22	140	144	89	9	612	0.972222222	0.1016509
T0716	4/11/11	JM	Group 1	EI Chayal	29795	6381	626	562	5446	29	140	148	90	6	673	0.945945946	0.103195006
T0717	4/11/11	JM	Group 1	EI Chayal	30552	5805	639	550	5427	37	137	152	93	6	692	0.901315789	0.101345126
T0718	4/11/11	JM	Group 1	EI Chayal	28630	6828	629	530	5451	26	134	133	81		583	1.007518797	0.097229866
T0719	4/11/11	JM	Group 1	EI Chayal	30903	5849	708	550	5648	28	138	151	94	14	613	0.913907285	0.097379603
T0720	4/11/11	JM	Group 1	EI Chayal	29887	6242	678	537	5449	33	137	145	94	8	669	0.944827586	0.098550193
T0721	4/11/11	JM	Group 1	EI Chayal	29654	6019	682	555	5362		139	114	108		649	1.219298246	0.103506154
T0722	4/11/11	JM	Group 1	EI Chayal	29375	6840	612	537	5436	29	137	141	92	8	658	0.971631206	0.098785872
T0723	4/11/11	JM	Group 1	EI Chayal	30533	5784	602	574	5523	27	134	142	88	6	663	0.943661972	0.103929024
T0724	4/11/11	JM	Group 1	EI Chayal	29858	6401	689	548	5559	69	132	147	96	9	680	0.897959184	0.098578881
T0725	4/11/11	JM	Group 1	EI Chayal	30202	6206	699	553	5421	32	133	146	98	8	616	0.910958904	0.102010699
T0726	4/11/11	JM	Group 1	EI Chayal	30838	5655	529	577	5552	33	139	143	93	9	729	0.972027972	0.103926513
T0727	4/11/11	JM	Group 1	EI Chayal	30819	5875	550	567	5552	27	135	153	93	10	751	0.882352941	0.10212536
T0728	4/11/11	JM	Group 1	EI Chayal	30066	5910	741	547	5593	39	135	145	91	8	589	0.931034483	0.097800822
T0729	4/11/11	JM	Group 1	EI Chayal	29169	6682	616	544	5441	191	129	147	93	8	682	0.87755102	0.099981621
T0730A	4/11/11	JM	Group 1	EI Chayal	30065	6034	718	552	5560	34	138	143	89	6	613	0.965034965	0.099280576
T0730B	4/11/11	JM	Group 1	EI Chayal	31126	5735	748	565	5586	30	131	148	89	7	610	0.885135135	0.101145721
T0731	4/11/11	JM	Group 1	EI Chayal	30230	5281	709	527	5531	31	144	147	88	10	649	0.979591837	0.095281143
T0732	4/11/11	JM	Group 1	EI Chayal	30684	5492	634	552	5520	26	137	137	87	9	706	1	0.1
T0733	4/11/11	JM	Group 1	EI Chayal	31430	5725	666	584	5520	33	136	140	95	7	695	0.971428571	0.105797101
T0734	4/11/11	JM	Group 1	EI Chayal	31421	5743	670	581	5722	55	133	144	97	9	776	0.923611111	0.101537924

Supplemental Table 1. Elemental Concentrations in Obsidian Artifacts from Tikal, Guatemala, as Determined by pXRF. Concentrations are in ppm.

T0735	4/11/11	JM	Group 1	EI Chayal	30460	6170	734	571	5571	30	139	145	94	9	614	0.95862069	0.102495064
T0736	4/11/11	JM	Group 1	EI Chayal	29919	6410	718	568	5640	32	134	144	94	10	634	0.930555556	0.10070922
T0737	4/11/11	JM	Group 1	EI Chayal	30995	5739	674	573	5541	34	129	147	84	5	582	0.87755102	0.103410937
T0738	4/11/11	JM	Group 1	EI Chayal	30184	6718	630	546	5508	35	141	150	91	7	671	0.94	0.09912854
T0739	4/11/11	JM	Group 1	EI Chayal	30975	5895	619	568	5553	29	134	146	99	11	724	0.917808219	0.102287052
T0740 (t0p)	4/11/11	JM	Group 1	EI Chayal	30338	5649	654	556	5532	47	134	143	93	7	588	0.937062937	0.100506146
T0741	4/18/11	JM	Group 2	San Martin	38128	8124	662	488	6069	27	113	190	102	8	780	0.594736842	0.080408634
T0742	4/18/11	JM	Group 1	EI Chayal	30642	6513	728	576	5731	28	138	143	96	8	585	0.965034965	0.10050602
T0743	4/18/11	JM	Group 1	EI Chayal	29974	6117	623	533	5578	29	142	144	94	8	680	0.986111111	0.095553962
T0744	4/18/11	JM	Group 1	EI Chayal	29751	6407	645	541	5633	32	141	146	90	10	715	0.965753425	0.096041186
T0745	4/18/11	JM	Group 1	EI Chayal	30821	5840	529	566	5583	30	137	148	97	7	743	0.925675676	0.101379187
T0746	4/18/11	JM	Group 1	EI Chayal	32426	15864	757	532	5558	34	133	142	88		562	0.936619718	0.095717884
T0747 B	20-Sep-11	JWM	Group 1	EI Chayal	31069	6495	612	548	5516	32	167	187	111	24	598	0.893048128	0.099347353
T0747 A	20-Sep-11	JWM	Group 1	EI Chayal	29408	6560	639	544	5435	42	181	188	126	24	663	0.962765957	0.100091996
T0747 C	20-Sep-11	JWM	Group 1	EI Chayal	33034	7541	644	594	6065		154	141	89	12	763	1.092198582	0.097938994
T0748	20-Sep-11	JWM	Group 2	San Martin	31952	8843	696	451	5595	20	104	184	94		743	0.565217391	0.080607685
T0749	20-Sep-11	JWM	Group 1	EI Chayal	29927	7172	742	579	5804	53	204	208	143	31	670	0.980769231	0.099758787
T0750	20-Sep-11	JWM	Group 2	San Martin	27489	6361	709	424	5612	16	94	174	86	7	617	0.540229885	0.075552388
T0751 A	20-Sep-11	JWM	Group 1	EI Chayal	30020	5496	600	546	5476	32	152	163	101	13	665	0.932515337	0.099707816
T0751 B	20-Sep-11	JWM	Group 1	EI Chayal	29520	5848	644	550	5484	29	147	150	101	12	648	0.98	0.100291758
T0751 C	20-Sep-11	JWM	Group 1	EI Chayal	31838	6264	643	582	5655	32	148	153	99	9	710	0.967320261	0.102917772
T0751 D	20-Sep-11	JWM	Group 1	EI Chayal	32423	6075	666	569	5696	41	169	174	115	17	706	0.971264368	0.099894663
T0751 E	20-Sep-11	JWM	Group 1	EI Chayal	33125	7096	656	581	5946	52	208	219	147	32	760	0.949771689	0.097712748
T0751 F	20-Sep-11	JWM	Group 1	EI Chayal	30607	5564	600	567	5629	33	167	171	111	20	697	0.976608187	0.100728371
T0751 G	20-Sep-11	JWM	Group 1	EI Chayal	30141	8302	703	581	5592	49	189	197	131	24	679	0.959390863	0.103898426
T0752	20-Sep-11	JWM	Group 1	EI Chayal	32523	6042	757	586	5777	37	163	171	113	14	655	0.953216374	0.101436732
T0753	20-Sep-11	JWM	Group 1	EI Chayal	28720	5013	694	524	5401	26	132	142	91	8	568	0.929577465	0.097019071
T0754	20-Sep-11	JWM	Group 1	EI Chayal	31517	6097	673	578	5712	34	139	149	92	9	590	0.932885906	0.101190476
T0755	20-Sep-11	JWM	Group 1	EI Chayal	30213	6168	659	549	5544	31	140	145	90	8	689	0.965517241	0.099025974
T0756	20-Sep-11	JWM	Group 1	EI Chayal	29201	5476	690	523	5448	28	140	139	96	7	602	1.007194245	0.095998532
T0757	20-Sep-11	JWM	Group 1	EI Chayal	29455	5986	541	551	5519	34	137	143	93	6	762	0.958041958	0.099836927
T0758	20-Sep-11	JWM	Group 1	EI Chayal	30257	5854	614	534	5604	33	135	145	96	7	692	0.931034483	0.095289079
T0759	20-Sep-11	JWM	Group 1	EI Chayal	28427	5535	645	524	5255	33	132	135	89	7	661	0.977777778	0.099714558
T0760	20-Sep-11	JWM	Group 1	EI Chayal	31150	5435	731	560	5627	29	136	147	98	9	631	0.925170068	0.099520171
T0761	20-Sep-11	JWM	Group 2	San Martin	29728	8055	698	455	6065	21	116	203	107	11	685	0.571428571	0.07502061
T0762	20-Sep-11	JWM	Group 2	San Martin	29725	7305	733	454	5912	28	118	206	111	11	670	0.572815534	0.076792963
T0763	20-Sep-11	JWM	Group 2	San Martin	27164	7121	539	422	5465		101	175	90	8	765	0.577142857	0.077218664
T0764	20-Sep-11	JWM	Group 2	San Martin	30186	10993	597	489	6205		117	206	98	11	803	0.567961165	0.078807413
T0765	20-Sep-11	JWM	Group 2	San Martin	33544	7071	650	426	5963	24	113	195	105	16	734	0.579487179	0.07144055
T0766	20-Sep-11	JWM	Group 2	San Martin	32701	8259	744	502	6368	38	122	225	114	16	818	0.542222222	0.078831658
T0767	20-Sep-11	JWM	Group 2	San Martin	30733	9569	679	447	5774	26	114	201	106	10	770	0.567164179	0.077416003
T0768	20-Sep-11	JWM	Group 2	San Martin	31857	14674	820	461	6363	35	130	234	118	16	791	0.555555556	0.072450102
T0769	20-Sep-11	JWM	Group 1	EI Chayal	27236	5342	458	558	5337	26	144	148	97	15	709	0.972972973	0.10455312
T0770	20-Sep-11	JWM	Group 2	San Martin	31279	7550	749	471	5999	41	128	220	121	16	724	0.581818182	0.078513086
T0771	20-Sep-11	JWM	Group 1	EI Chayal	43738	6041	615	548	5475	31	152	159	106	13	673	0.955974843	0.100091324
T0772	20-Sep-11	JWM	Group 2	San Martin	53916	8050	750	424	5803	24	124	204	110	9	622	0.607843137	0.073065656
T0773	20-Sep-11	JWM	Group 2	San Martin	29873	10344	660	436	5882	38	106	190	95		709	0.557894737	0.074124447

Supplemental Table 1. Elemental Concentrations in Obsidian Artifacts from Tikal, Guatemala, as Determined by pXRF. Concentrations are in ppm.

T0774	20-Sep-11	JWM	Group 2	San Martin	27546	7677	678	420	5675	25	97	172	88	6	680	0.563953488	0.074008811
T0775	20-Sep-11	JWM	Group 2	San Martin	25648	10370	768	456	5819	198	109	198	96	10	1335	0.550505051	0.07836398
T0776	20-Sep-11	JWM	Group 2	San Martin	32358	7223	805	446	6048	33	120	213	116	11	762	0.563380282	0.073743386
T0777	20-Sep-11	JWM	Group 2	San Martin	29468	8006	684	453	5996	25	103	189	93	6	789	0.544973545	0.075550367
T0778	20-Sep-11	JWM	Group 1	El Chayal	27851	6190	621	543	5333	37	140	143	93	8	571	0.979020979	0.101818864
T0779	20-Sep-11	JWM	Group 1	El Chayal	30960	7206	771	564	5742	40	160	167	110	13	632	0.958083832	0.098223615
T0780	20-Sep-11	JWM	Group 1	El Chayal	29266	10461	752	549	5510	32	155	159	103	13	585	0.974842767	0.099637024
T0781	20-Sep-11	JWM	Group 2	San Martin	30003	7084	624	462	6009	30	114	190	105	10	802	0.6	0.076884673
T0782	20-Sep-11	JWM	Group 2	San Martin	29126	6491	621	444	5802	22	99	184	91	6	744	0.538043478	0.076525336
T0783	20-Sep-11	JWM	Group 2	San Martin	28771	6376	581	445	5414	26	111	182	96	7	704	0.60989011	0.082194311
T0784	4/25/11	JWM	Group 1	El Chayal	29371	5462	682	539	5429	27	136	140	89	8	611	0.971428571	0.099281636
T0785	4/25/11	JWM	Group 1	El Chayal	29635	6538	799	559	5523	34	139	148	97	10	563	0.939189189	0.101213109
T0786	4/25/11	JWM	Group 3	Ixtepeque	32276	6970	1071	419	8574	26	90	153	148	7	683	0.588235294	0.048868673
T0787	4/25/11	JWM	Group 2	San Martin	28023	6727	686	445	5696	26	107	185	90	6	662	0.578378378	0.078125
T0788	4/25/11	JWM	Group 3	Ixtepeque	33688	7357	1115	423	8419	20	93	150	142	6	655	0.62	0.050243497
T0789	4/25/11	JWM	Group 3	Ixtepeque	30632	6730	1072	385	8121	18	85	147	144	6	668	0.578231293	0.047407955
T0790	4/25/11	JWM	Group 3	Ixtepeque	31036	7048	1146	409	8565	20	88	146	142	6	734	0.602739726	0.047752481
T0791	4/25/11	JWM	Group 1	El Chayal	50708	4987	652	512	5147	28	140	143	89	8	586	0.979020979	0.099475423
T0792	4/25/11	JWM	Group 1	El Chayal	53419	6201	726	568	5655	32	144	144	97	6	621	1	0.100442087
T0793	4/25/11	JWM	Group 1	El Chayal	30043	5525	741	533	5334	27	128	140	83	8	521	0.914285714	0.099925009
T0794	4/25/11	JWM	Group 1	El Chayal	31230	7051	630	558	5539	36	142	148	99	10	739	0.959459459	0.100740206
T0795	4/25/11	JWM	Group 1	El Chayal	29506	6391	584	534	5445	29	139	147	90		729	0.945578231	0.098071625
T0796	4/25/11	JWM	Group 1	El Chayal	30799	6384	658	532	5504	29	138	142	90	7	605	0.971830986	0.096656977
T0797	4/25/11	JWM	Group 1	El Chayal	28612	6063	642	546	5525	36	143	155	94	9	711	0.922580645	0.098823529
T0798	4/25/11	JWM	Group 1	El Chayal	65209	5755	649	500	5215	31	139	140	86		517	0.992857143	0.095877277
T0799	4/25/11	JWM	Group 3	Ixtepeque	33387	7495	1229	436	8687	35	109	169	163	9	696	0.644970414	0.050189939
T0800	4/25/11	JWM	Group 1	El Chayal	31153	6029	679	577	5632	35	136	148	91	7	651	0.918918919	0.102450284
T0801	4/25/11	JWM	Group 2	San Martin	28329	7373	656	439	5718	25	105	183	90	6	658	0.573770492	0.076775096
T0802	4/25/11	JWM	Group 3	Ixtepeque	32618	7647	1146	422	8500	25	91	156	145	7	700	0.583333333	0.049647059
T0803	4/25/11	JWM	Group 3	Ixtepeque	34272	6893	1074	407	8524	26	100	160	156	10	695	0.625	0.047747536
T0804	4/25/11	JWM	Group 3	Ixtepeque	33976	6958	1150	394	8564	25	98	162	157	10	718	0.604938272	0.046006539
T0805	4/25/11	JWM	Group 1	El Chayal	33449	6007	773	616	5903	28	155	164	106	15	677	0.945121951	0.104353718
T0806	4/25/11	JWM	Group 1	El Chayal	28302	5044	542	525	5191	36	155	162	109	14	630	0.956790123	0.101136583
T0807	4/25/11	JWM	Group 1	El Chayal	30512	6396	663	579	5621	28	156	163	106	14	722	0.957055215	0.103006582
T0808	4/25/11	JWM	Group 1	El Chayal	31519	5817	734	570	5774	28	174	186	113	21	582	0.935483871	0.098718393
T0809	4/25/11	JWM	Group 2	San Martin	32009	8638	711	496	6149	36	117	211	108	11	717	0.55450237	0.080663523
T0810	4/25/11	JWM	Group 1	El Chayal	29959	6266	785	549	5477	34	150	154	100	11	530	0.974025974	0.100237356
T0811	4/25/11	JWM	Group 1	El Chayal	56001	5577	638	506	5121	26	149	154	98	12	493	0.967532468	0.098808826
T0812	15-Sep-11	CNK	Group 1	El Chayal	28854	6463	711	531	5461	24	146	152	101	9	567	0.960526316	0.097234939
T0813	15-Sep-11	CNK	Group 1	El Chayal	31753	5356	535	541	5284	29	165	170	115	18	614	0.970588235	0.102384557
T0814	15-Sep-11	CNK	Group 1	El Chayal	29485	7547	576	520	5366	30	140	158	99	9	619	0.886075949	0.096906448
T0815	15-Sep-11	CNK	Group 6	Otumba	51339	8147	1145	341	8900	47	131	139	141	13	592	0.942446043	0.038314607
T0816	15-Sep-11	CNK	Group 1	El Chayal	30221	5535	778	545	5518	30	157	171	106	14	578	0.918128655	0.098767669
T0817	15-Sep-11	CNK	Group 1	El Chayal	31119	6669	645	575	5677	33	192	199	130	27	627	0.964824121	0.10128589
T0818	15-Sep-11	CNK	Group 1	El Chayal	33115	5980	739	590	5972	51	228	238	148	34	642	0.957983193	0.098794374
T0819	15-Sep-11	CNK	Group 1	El Chayal	36000	6799	811	690	6571	41	199	204	136	31	834	0.975490196	0.105006848
T0820	15-Sep-11	CNK	Group 1	El Chayal	30756	7185	555	507	4768	25	153	148	81	12	581	1.033783784	0.106333893

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T0821	15-Sep-11	CNK	Group 1	El Chayal	30069	5072	457	495	4597	27	144	140	75	8	633	1.028571429	0.107678921
T0822	15-Sep-11	CNK	Group 1	El Chayal	30950	4766	539	520	4810	27	159	159	88	15	577	1	0.108108108
T0823	15-Sep-11	CNK	Group 1	El Chayal	29641	5659	689	523	5358	29	139	153	95	13	567	0.908496732	0.097611049
T0824	15-Sep-11	CNK	Group 2	San Martin	40375	8834	714	450	5839	31	114	209	109	13	736	0.545454545	0.077067991
T0825	15-Sep-11	CNK	Group 2	San Martin	22099	5411	622	424	5525	25	121	210	108	13	589	0.576190476	0.076742081
T0826	15-Sep-11	CNK	Group 2	San Martin	53687	8036	643	447	5652	31	117	198	106	8	706	0.590909091	0.079087049
T0827	15-Sep-11	CNK	Group 2	San Martin	55324	6621	582	419	5577	32	122	213	117	15	722	0.572769953	0.075129998
T0828	15-Sep-11	CNK	Group 2	San Martin	30800	6166	685	456	5917	21	121	218	105	15	665	0.555045872	0.077066081
T0829	15-Sep-11	CNK	Group 2	San Martin	31589	6863	647	460	6093	26	131	226	120	15	781	0.579646018	0.075496471
T0830	15-Sep-11	CNK	Group 2	San Martin	33845	6926	804	510	6381	37	113	203	106	10	705	0.556650246	0.079924777
T0831	15-Sep-11	CNK	Group 2	San Martin	28822	6972	665	453	5882	28	115	193	103	12	720	0.595854922	0.077014621
T0832	15-Sep-11	CNK	Group 2	San Martin	30787	8478	696	480	6044	27	121	220	113	14	720	0.55	0.079417604
T0833	15-Sep-11	CNK	Group 2	San Martin	31367	6765	682	469	6138	33	119	222	110	13	762	0.536036036	0.076409254
T0834	15-Sep-11	CNK	Group 2	San Martin	32345	7602	724	471	6268	36	125	221	112	15	813	0.56561086	0.075143586
T0835	15-Sep-11	CNK	Group 2	San Martin	47081	6239	678	453	5824	34	128	213	114	16	667	0.600938967	0.077781593
T0836	15-Sep-11	CNK	Group 1	El Chayal	30396	5185	591	552	5463	35	146	153	96	11	672	0.954248366	0.101043383
T0837	15-Sep-11	CNK	Group 1	El Chayal	29646	5522	615	536	5384	33	132	146	97	8	637	0.904109589	0.099554235
T0838	15-Sep-11	CNK	Group 1	El Chayal	31851	5457	741	579	5562	35	142	144	93	10	615	0.986111111	0.104099245
T0839	15-Sep-11	CNK	Group 1	El Chayal	29943	5299	711	548	5418	32	135	153	91	8	678	0.882352941	0.101144334
T0840	15-Sep-11	CNK	Group 1	El Chayal	29715	5276	617	564	5468	30	132	146	95	7	598	0.904109589	0.103145574
T0841	15-Sep-11	CNK	Group 1	El Chayal	30214	5190	641	538	5576	31	134	145	94	9	648	0.924137931	0.096484935
T0842	15-Sep-11	CNK	Group 1	El Chayal	28912	5643	704	538	5369	32	131	140	95	8	528	0.935714286	0.10020488
T0843	15-Sep-11	CNK	Group 1	El Chayal	31046	5959	662	542	5556	37	151	157	102	7	729	0.961783439	0.097552196
T0844	15-Sep-11	CNK	Group 1	El Chayal	27609	6491	686	542	5386	28	132	149	95	9	553	0.88590604	0.100631266
T0845	15-Sep-11	CNK	Group 1	El Chayal	29403	4858	627	539	5420	26	140	143	95	9	600	0.979020979	0.099446494
T0846	15-Sep-11	CNK	Group 1	El Chayal	29624	5182	643	547	5364	30	134	147	96	6	658	0.911564626	0.101976137
T0847	8/30/11	JWM	Group 1	El Chayal	28781	5297	583	537	5477	27	131	145	92	8	602	0.903448276	0.098046376
T0848	8/30/11	JWM	Group 1	El Chayal	29950	5388	630	527	5399	33	144	156	104	15	594	0.923076923	0.097610669
T0849	8/30/11	JWM	Group 1	El Chayal	30052	5104	765	545	5472	23	132	140	88	8	613	0.942857143	0.099597953
T0850	8/30/11	JWM	Group 1	El Chayal	30179	5693	632	561	5560	31	144	147	97	10	607	0.979591837	0.100899281
T0851	8/30/11	JWM	Group 1	El Chayal	29443	5222	654	543	5524	26	134	144	92	5	623	0.930555556	0.098298335
T0852	8/30/11	JWM	Group 1	El Chayal	29883	5162	594	544	5496	24	147	145	98	10	599	1.013793103	0.098981077
T0853	8/30/11	JWM	Group 1	El Chayal	30235	5233	641	553	5507	28	137	143	97	10	630	0.958041958	0.10041765
T0854	8/30/11	JWM	Group 1	El Chayal	28937	5351	624	535	5350	21	135	142	92	6	575	0.950704225	0.1
T0855	8/30/11	JWM	Group 1	El Chayal	30362	5603	716	542	5571	26	142	147	98	11	646	0.965986395	0.097289535
T0856	8/30/11	JWM	Group 1	El Chayal	31626	5282	690	556	5644	30	151	152	93		610	0.993421053	0.098511694
T0857	8/30/11	JWM	Group 4	Pachuca	33575	3578	1106	983	15413	202	206	3	959	78	231	68.66666667	0.063777331
T0858	8/30/11	JWM	Group 4	Pachuca	31706	16127	1171	960	15363	210	200	3	920	73		66.66666667	0.062487795
T0859	8/30/11	JWM	Group 1	El Chayal	29211	5890	623	575	5395	34	140	141	94	9	641	0.992907801	0.106580167
T0860	8/30/11	JWM	Group 1	El Chayal	33351	8678	746	577	5818	31	143	143	93		659	1	0.099174974
T0861 A	13-Sep-11	JWM	Group 1	El Chayal	30876	5310	424	491	4630	25	140	137	77	9	652	1.02189781	0.106047516
T0861 B	13-Sep-11	JWM	Group 1	El Chayal	31331	5902	709	562	5659	41	173	185	117	19	639	0.935135135	0.099310832
T0861 C	13-Sep-11	JWM	Group 1	El Chayal	31172	6866	642	576	5636	39	150	159	106	12	662	0.943396226	0.102200142
T0861 D	13-Sep-11	JWM	Group 1	El Chayal	32514	9889	727	585	5766	35	153	161	101	9	615	0.950310559	0.101456816
T0861 E	13-Sep-11	JWM	Group 1	El Chayal	30848	5872	634	568	5515	30	152	157	96	11	667	0.968152866	0.10299184
T0861 F	13-Sep-11	JWM	Group 1	El Chayal	25364	5603	990	491	4160	2370	151	163	80	15	9733	0.926380368	0.118028846
T0861 G	13-Sep-11	JWM	Group 1	El Chayal	31061	6835	714	548	5808	36	166	175	111	17	600	0.948571429	0.094352617

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T0861 H	8/30/2011	JWM	Group 1	El Chayal	33056	6504	662	426	5313	25	133	147	92	9	703	0.904761905	0.080188235
T0861 I	13-Sep-11	JWM	Group 1	El Chayal	31331	6075	635	546	5597	32	155	161	98	8	681	0.962732919	0.09755226
T0861 J	13-Sep-11	JWM	Group 1	El Chayal	29175	5199	662	526	5399	29	143	147	98	13	572	0.972789116	0.097425449
T0861 K	13-Sep-11	JWM	Group 1	El Chayal	31901	6493	685	550	5634	34	162	169	106	15	653	0.958579882	0.097621583
T0861 L	13-Sep-11	JWM	Group 1	El Chayal	31788	5664	555	518	4628	34	165	154	92	16	581	1.071428571	0.111927398
T0861 M	13-Sep-11	JWM	Group 1	El Chayal	30198	6270	603	557	5742	20	151	158	101	14	610	0.955696203	0.097004528
T0862A	8/30/11	JWM	Group 1	El Chayal	31869	5861	753	581	5740	30	141	154	101	13	644	0.915584416	0.101219512
T0862B	8/30/11	JWM	Group 1	El Chayal	31022	5589	587	599	5638	33	153	163	108	15	700	0.938650307	0.106243349
T0862C	8/30/11	JWM	Group 1	El Chayal	29039	6022	602	543	5399	32	143	151	104	8	661	0.947019868	0.10057418
T0862D	8/30/11	JWM	Group 1	El Chayal	30144	6016	676	567	5435	28	147	160	103	15	624	0.91875	0.104323827
T0862E	8/30/11	JWM	Group 1	El Chayal	31581	7468	711	585	5510	28	158	161	106	14	603	0.98136646	0.106170599
T0862F	8/30/11	JWM	Group 1	El Chayal	29595	6564	732	567	5510	34	145	146	98	11	589	0.993150685	0.102903811
T0862G	8/30/11	JWM	Group 1	El Chayal	33288	7447	735	622	6004	33	176	195	126	28	711	0.902564103	0.103597602
T0862H	8/30/11	JWM	Group 1	El Chayal	30936	11368	673	576	5666	48	150	171	112	17	687	0.877192982	0.101659019
T0862I	8/30/11	JWM	Group 1	El Chayal	32502	7179	571	520	4644	27	155	151	79	10	591	1.026490066	0.111972438
T0862J	8/30/11	JWM	Group 1	El Chayal	31469	6247	709	574	5797	32	161	177	119	17	682	0.90960452	0.099016733
T0862K	8/30/11	JWM	Group 1	El Chayal	29320	5605	587	551	5307	31	149	151	104	13	622	0.986754967	0.103825137
T0862L	8/30/11	JWM	Group 1	El Chayal	32381	6855	703	594	5838	27	163	172	108	16	594	0.947674419	0.101747174
T0862M	8/30/11	JWM	Group 1	El Chayal	32029	6022	638	611	5743	36	157	164	112	14	733	0.957317073	0.106390388
T0862N	8/30/11	JWM	Group 1	El Chayal	31846	7065	599	533	5132	45	183	183	111	23	622	1	0.103858145
T0863A	8/30/11	JWM	Group 1	El Chayal	27724	6975	624	534	5392	34	144	151	99	10	654	0.953642384	0.099035608
T0863B	8/30/11	JWM	Group 1	El Chayal	33838	7624	669	545	5936		115	118	68		720	0.974576271	0.091812668
T0863C	8/30/11	JWM	Group 1	El Chayal	28079	12394	621	549	5691		123	135	92		723	0.911111111	0.096468108
T0864	8/30/11	JWM	Group 1	El Chayal	28456	5494	647	539	5360	26	152	153	106	12	600	0.993464052	0.100559701
T0865	8/30/11	JWM	Group 1	El Chayal	29176	5379	647	550	5504	29	138	144	94	11	644	0.958333333	0.099927326
T0866	8/30/11	JWM	Group 1	El Chayal	29867	5507	654	558	5591	29	160	169	105	16	684	0.946745562	0.099803255
T0867	8/30/11	JWM	Group 1	El Chayal	32099	8100	674	565	5746	39	141	150	96	5	678	0.94	0.098329273
T0868	8/30/11	JWM	Group 4	Pachuca	33449	882	1110	997	15727	216	216	3	970	81		72	0.063394163
T0869	8/30/11	JWM	Group 1	El Chayal	31093	5879	671	541	5503	36	155	160	107	14	659	0.96875	0.098310013
T0870	8/30/11	JWM	Group 1	El Chayal	34649	6184	814	586	5885	43	163	172	112	12	647	0.947674419	0.099575191
T0871	8/30/11	JWM	Group 1	El Chayal	30648	6363	583	553	5780	33	157	162	110	15	723	0.969135802	0.09567474
T0872	8/30/11	JWM	Group 1	El Chayal	30009	6526	692	525	5676	32	154	163	104	13	656	0.944785276	0.092494715
T0873	8/30/11	JWM	Group 1	El Chayal	31945	5587	680	581	5745	28	166	174	120	17	583	0.954022989	0.101131419
T0874	8/30/11	JWM	Group 2	San Martin	29573	6463	637	444	5757	24	121	206	103	12	694	0.587378641	0.077123502
T0875	8/30/11	JWM	Group 1	El Chayal	30609	5667	634	574	5605	39	165	175	114	18	680	0.942857143	0.102408564
T0876	8/30/11	JWM	Group 1	El Chayal	30352	7505	618	576	5566	30	159	158	108	14	698	1.006329114	0.103485447
T0877	8/30/11	JWM	Group 1	El Chayal	30411	6708	628	569	5531	34	152	164	106	12	707	0.926829268	0.102874706
T0878	8/30/11	JWM	Group 4	Pachuca	34256	1250	1064	1009	15792	215	210	3	955	83	255	70	0.06389311
T0879	8/30/11	JWM	Group 1	El Chayal	30892	5886	639	569	5716	32	160	161	103	16	683	0.99378882	0.099545136
T0880	8/30/11	JWM	Group 2	San Martin	29177	8813	702	463	5926	28	110	200	103	12	751	0.55	0.078130273
T0881	8/30/11	JWM	Group 1	El Chayal	31830	5515	700	582	5649	43	147	157	103	8	624	0.936305732	0.103027084
T0882	8/30/11	JWM	Group 1	El Chayal	29806	6416	716	569	5556	41	132	148	93	9	662	0.891891892	0.102411807
T0883	8/30/11	JWM	Group 1	El Chayal	30178	6890	647	542	5554	38	155	159	102	10	618	0.974842767	0.097587324
T0884	8/30/11	JWM	Group 1	El Chayal	36401	7161	628	567	5739	47	155	159	104	7	709	0.974842767	0.0987977
T0885	8/30/11	JWM	Group 1	El Chayal	30348	8848	739	591	6162	21	153	155	104	16	690	0.987096774	0.095910419
T0886	8/30/11	JWM	Group 1	El Chayal	29380	6842	587	569	5484	32	140	146	100	9	722	0.95890411	0.103756382
T0887A	8/30/11	JWM	Group 1	El Chayal	30184	9086	592	568	5495	38	149	154	98	11	599	0.967532468	0.103366697

**Supplemental Table 1. Elemental Concentrations in Obsidian Artifacts from Tikal, Guatemala, as Determined by pXRF. Concentrations are in ppm.**

T0887B	8/30/11	JWM	Group 1	El Chayal	30238	6563	647	583	5526	36	162	164	108	14	645	0.987804878	0.105501267
T0887C	8/30/11	JWM	Group 1	El Chayal	30641	7045	651	578	5538	32	143	158	92	8	700	0.905063291	0.104369809
T0888	8/30/11	JWM	Group 1	El Chayal	29797	8351	731	585	5497	30	136	139	89		618	0.978417266	0.106421685
T0889A	8/30/11	JWM	Group 1	El Chayal	29819	5972	644	564	5518	19	154	158	102	16	594	0.974683544	0.102210946
T0889B	8/30/11	JWM	Group 1	El Chayal	25578	8721	771	553	5554	21	147	153	101	10	482	0.960784314	0.099567879
T0889C	8/30/11	JWM	Group 1	El Chayal	30706	5616	748	550	5639	30	151	164	109	10	534	0.920731707	0.097535024
T0889D	8/30/11	JWM	Group 1	El Chayal	30875	6654	711	602	5893	29	171	190	120	19	623	0.9	0.102155099
T0890	8/30/11	JWM	Group 3	Ixtepeque	31867	6864	982	388	8166	21	95	150	150	5	716	0.633333333	0.047514083
T0891	8/30/11	JWM	Group 1	El Chayal	30360	11575	607	552	5612	37	138	156	94	7	728	0.884615385	0.098360656
T0892	8/30/11	JWM	Group 1	El Chayal	29017	7532	626	540	5407	28	141	149	97	9	682	0.946308725	0.099870538
T0893	8/30/11	JWM	Group 1	El Chayal	32038	6711	661	583	5660	38	158	167	113	14	728	0.946107784	0.103003534
T0894	8/30/11	JWM	Group 1	El Chayal	29579	6733	549	537	5531	33	152	155	101	12	668	0.980645161	0.097089134
T0895	8/30/11	JWM	Group 1	El Chayal	30933	6450	598	555	5585	39	167	168	105	20	696	0.994047619	0.099373321
T0896	8/30/11	JWM	Group 4	Pachuca	33983		1050	988	15334	207	198	3	901	75	66		0.064431981
T0897	8/30/11	JWM	Group 1	El Chayal	30818	8187	808	577	5674	34	145	154	109	16	625	0.941558442	0.101691928
T0898	8/30/11	JWM	Group 2	San Martin	31663	7514	670	499	6099	35	123	211	110	9	844	0.582938389	0.081816691
T0899	8/30/11	JWM	Group 2	San Martin	30155	6933	726	472	6215	19	116	207	99	13	746	0.560386473	0.075945294
T0900	8/30/11	JWM	Group 2	San Martin	35611	7903	712	517	6476		118	198	114	29	801	0.595959596	0.07983323
T0901	4/18/11	JM	Group 1	El Chayal	28850	6902	683	518	5566	36	152	172	112	13	635	0.88372093	0.093065038
T0902	4/18/11	JM	Group 1	El Chayal	30138	7306	718	553	5718	35	146	153	96	8	668	0.954248366	0.096712137
T0903	4/18/11	JM	Group 1	El Chayal	30437	8960	725	558	5839	40	142	153	94	9	718	0.928104575	0.095564309
T0904	4/18/11	JM	Group 1	El Chayal	29892	7065	646	551	5810	38	138	149	93	10	705	0.926174497	0.094836489
T0905	4/18/11	JM	Group 1	El Chayal	28371	7358	679	537	5652	31	133	142	94	7	627	0.936619718	0.095010616
T0906	4/18/11	JM	Group 1	El Chayal	31689	17184	740	536	5856	46	141	152	102	10	644	0.927631579	0.091530055
T0907	4/18/11	JM	Group 1	El Chayal	29844	8240	740	546	5653	28	151	161	106	12	627	0.937888199	0.096585884
T0908	4/18/11	JM	Group 4	Pachuca	39047	2047	1320	1145	17324	268	243	3	1033	88	230	81	0.066093281
T0909	4/18/11	JM	Group 1	El Chayal	28783	6653	652	549	5464	36	149	153	97	8	594	0.973856209	0.100475842
T0910	4/18/11	JM	Group 2	San Martin	31168	14207	814	474	6277	33	110	195	102	6	672	0.564102564	0.07551378