ANNEX 3 (doi: 10.4401/ag-6761)

TRACE ELEMENTS MOBILITY IN SOILS FROM THE HYDROTHERMAL AREA OF NISYROS (GREECE).

Daskalopoulou, K., et al.

Mineralogical Assemblages

Mineralogical assemblages in the caldera of Nisyros													
Lakki Plain Soils						Crater Soils (Stefanos)							
ID	MINERALS					ID	MINERALS						
1	Qtz	Alb				18	Trd	Wol	Wnk				
2	Qtz	Alb	An			19	Qtz	Cst	Alb	Gsd			
3	Qtz	Alb	Wol	Gsd	Stl	20	Qtz	Alb	Wol	Gsd			
4	Qtz	Cst	An	Gsd		21	Qtz	Alb	S	Aln	Gyp		
5	Qtz	Alb	Wol	Gsd		22	Qtz	Trd	Wol	S	Gsd		
6	Qtz	Cst	An	Gsd		23	Qtz	Cst	Wol	Gsd	Vlt		
7	Qtz	Cst	An	Gsd		24	Qtz	Alb	Wol	Gsd	Alg		
8	Qtz	Trd	Gsd			25	Qtz	Wol	S	Gyp	Gsd		
9	Qtz	An	Gsd			26	Qtz	Wol	S	Gsd	Alg		
10	Qtz	Cst	Gsd			27	Qtz	Wol	S	Gyp	Gsd	Alg	
11	Qtz	Cst	Alb	Gsd		28	Wol	S	Gsd				
12	Qtz	Alb	Gsd			29	Qtz	Alb	S	Gsd			
13	Qtz	Alb	Gsd			30	Qtz	Gyp	Gsd	Vlt	Alg		
14	Qtz	Cst	Gsd			31	Qtz	Wol	S	Gyp	Gsd	Vlt	Alg
15	Qtz	An	Gsd			32	Qtz	Trd	Wol	S	Gsd		
16	Qtz	An	Gsd	Stl		33	Qtz	Cst	Wol	S	Gsd		
17	Qtz	Gsd	Stl										

Qtz=Quartz; Cst=Cristobalite; Trd=Tridymite; Alb=Albite; An=Anorthite; Stl=Stellerite; Wol=Wollastonite; Gsd=Gismondine; Wnk=Wenkite; Aln=Alunite; S=Sulfur; Gyp=Gypsum; Vlt=Voltaite; Alg=Alunogen

Leaching

ID	E	N	Places	Li	Be	B	Na	Mg	Al	Si	S	K	Ca	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	As	Se	Rb	Sr	Y	Mo	Cd	Sb	Te	Cs	Ba	La	Tl	Pb	Bi	Th	U
Atomic Number				3	4	5	11	12	13	14	16	19	20	22	23	24	25	26	27	28	29	30	33	34	37	38	39	42	48	51	52	55	56	57	81	82	83	90	92
				µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
1	518465	4049840	Lakki Plain	0.081		0.203	128.292	62.581	26.227	147.497	9.834	50.384	528.164	0.170	0.143		0.092	1.567		0.015	0.056		0.014		0.063	1.253	0.004							0.003		0.000		0.000	0.001
2	515026	4047948	Lakki Plain	0.050	0.002	0.049	77.423	38.714	17.935	32.704	394.842	44.727	126.817	0.039	0.032	0.011	1.065	26.636	0.028	0.109	0.063	1.357	0.130		0.196	3.375	0.004			0.005		0.006	18.118	0.009	0.016	0.014			0.003
3	515008	4047754	Lakki Plain	0.058		0.149	109.745	43.071	9.689	65.790	247.824	144.352	160.436	0.273	0.021	0.030	7.597	13.172	0.093	0.538	0.446	42.126	0.060		0.176	0.535	0.005		0.007	0.003			1.677	0.003	0.006	0.019		0.003	0.001
4	514836	4047603	Lakki Plain	0.074	0.002		184.853	42.266	17.303	21.049	393.478	67.603	137.911	0.240	0.025	0.017	1.025	21.769	0.027	0.130	0.030	0.875	0.110		0.299	2.284	0.014			0.001		0.001	11.319	0.016	0.003	0.007		0.002	0.021
5	514702	4047912	Lakki Plain	0.096		0.692	273.920	129.137	20.954	35.400	385.777	158.343	191.701	0.387	0.092	0.009	4.060	15.045	0.031	0.101	0.110	1.430	0.228	0.001	0.660	1.281	0.006		0.009	0.003		0.005	7.700	0.009	0.015	0.029	0.001	0.005	0.004
6	514617	4048285	Lakki Plain	0.049			46.851	14.243	1.981	21.159	93.527	39.379	44.347	0.094	0.025		0.685	2.372	0.006	0.024	0.005	0.294	0.009		0.109	0.792	0.001					0.000	4.301	0.001	0.000	0.002			0.002
7	514608	4048481	Lakki Plain	0.035	0.001	0.304	49.415	21.344	4.147	14.274	204.477	64.817	92.716	0.013	0.016		0.853	6.051	0.015	0.036	0.029	0.622	0.008		0.369	1.612	0.001			0.002		0.005	20.764	0.003	0.006	0.059			0.005
8	514541	4048566	Lakki Plain	0.043			53.158	22.721	5.104	15.259	189.440	68.071	57.355	0.071	0.005	0.003	0.666	15.774	0.013	0.043	0.043	0.423	0.012		0.316	1.258	0.003			0.002		0.001	17.034	0.003	0.005	0.009		0.001	0.009
9	514659	4048676	Lakki Plain	0.034	0.005		69.247	26.807	75.393	15.105	498.295	46.198	116.770	0.116	0.003	0.031	0.905	10.508	0.035	0.084	0.098	0.558	0.017		0.135	4.130	0.047			0.005		0.002	17.568	0.099	0.001	0.312			0.011
10	514830	4048652	Lakki Plain	0.059		0.351	63.962	23.807	2.528	22.732	223.058	66.047	98.649	0.010	0.001		0.705	10.924	0.011	0.044	0.027	0.347	0.011		0.206	1.665	0.001			0.005		0.001	20.367	0.001	0.003	0.005			0.003
11	514861	4048610	Lakki Plain	0.059		0.396	81.635	21.311	1.154	15.035	195.156	65.023	91.818	0.004	0.007		0.692	6.729	0.011	0.033	0.020	0.341			0.156	1.016	0.001			0.002		0.001	12.051	0.001	0.002	0.001			0.001
12	514979	4048382	Lakki Plain	0.040		0.035	68.140	17.049	2.872	25.894	108.431	57.107	40.744	0.076	0.012	0.003	0.620	4.650	0.007	0.033	0.020	0.441	0.029		0.163	0.456	0.002			0.004		0.000	6.703	0.002	0.003	0.005		0.001	0.002
13	515081	4048259	Lakki Plain	0.050		0.191	240.369	48.305	2.124	23.280	323.197	120.369	141.875	0.036	0.011	0.002	0.907	10.625	0.013	0.042	0.015	0.655	0.013		0.258	0.735	0.001			0.002		0.001	11.143	0.001	0.008	0.002			0.002
14	515130	4048399	Lakki Plain	0.039		0.239	112.011	30.270	13.750	53.986	105.180	101.811	124.330	0.147	0.108	0.014	2.466	7.435	0.020	0.075	0.082	0.486	0.159	0.008	0.157	0.304	0.010			0.008			0.819	0.007	0.001	0.010		0.010	0.006
15	515210	4048719	Lakki Plain	0.026		0.041	64.960	1.070	13.887	74.470	118.361	152.226	16.120	0.730	0.087	0.007	0.051	8.964		0.020	0.041	0.094	0.082	0.001	0.232	0.066	0.005			0.004		0.001	0.626	0.011	0.002	0.037	0.001	0.005	0.006
16	515402	4048152	Lakki Plain	0.059			65.470	19.951	2.178	46.932	203.511	65.389	75.782	0.044	0.013	0.010	0.786	8.131	0.011	0.056	0.045	0.620	0.005		0.156	0.649	0.001					0.000	9.225	0.001	0.005	0.012			0.002
17	515296	4048377	Lakki Plain	0.036			407.985	295.219	7.063	21.258	362.062	94.832	807.577	0.064	0.034	0.007	14.691	2.474	0.081	0.138	0.041	0.933	0.026		0.209	1.856	0.012		0.009	0.001		0.001	4.873	0.004	0.004	0.002		0.001	0.001
18	514990	4048141	Stefanos	0.222	0.030	0.012	303.152	165.423	2247.184	1.125	13222.377	390.901	224.657	66.715	3.394	0.999	3.866	186.677	109.022	0.592	1.632	9.517	0.834		1.536	8.777	0.309	0.068	0.001	0.020		0.116	3.843	0.395	0.117	4.022	0.001	0.084	0.034
19	515020	4048123	Stefanos	0.200	0.024		396.118	170.663	1655.641	1.766	8588.469	358.938	801.504	33.617	1.425	0.800	4.335	487.437	14.913	0.342	1.778	6.736	1.076	0.011	1.363	8.951	0.193	0.094	0.015	0.014	0.016	0.067	4.941	0.742	0.178	11.370	0.010	0.134	0.024
20	515050	4048108	Stefanos	0.685	0.036		761.850	637.317	3459.199	12.060	17046.791	863.958	2543.250	14.646	0.403	3.815	11.136	4760.665	152.997	1.804	29.965	24.003	6.810	0.044	3.585	27.180	0.288	0.103	0.063	0.005	0.020	0.125	9.137	1.584	0.906	11.432	0.019	0.496	0.051
21	515096	4048083	Stefanos	1.418	0.076		1228.873	1422.039	9653.124	7.401	34738.297	1538.328	5051.676	121.487	16.263	8.141	20.787	9832.572	11.286	2.250	57.708	18.708	11.773	0.012	6.719	44.859	0.788	0.522	0.220	0.026	0.011	0.267	8.832	1.969	2.457	36.165	0.096	1.018	0.148
22	515156	4048052	Stefanos	1.171	0.097		1198.368	1197.138	9608.749	0.742	51655.922	1442.935	7959.340	226.908	15.786	5.991	21.691	4232.869	68.274	1.849	15.923	15.639	5.591	0.007	5.276	40.771	0.845	0.531	0.044	0.032	0.014	0.508	4.974	1.957	1.579	21.499	0.060	0.399	0.088
23	515131	4048186	Stefanos	0.638	0.061	0.017	1194.408	613.351	4950.931	1.977	27937.228	1274.000	3700.732	94.470	8.269	3.344	12.965	3891.469	194.214	1.557	5.820	11.030	3.596	0.031	4.899	30.983	0.602	0.305	0.023	0.015	0.034	0.282	5.495	1.482	0.666	9.501	0.016	0.479	0.072
24	515119	4048163	Stefanos	0.320	0.027	0.043	433.132	282.971	2146.418	4.947	11383.389	424.770	4694.284	5.372	0.122	1.279	6.588	695.324	49.453	0.578	2.729	6.053	0.449	0.025	1.860	24.320	0.223	0.010	0.018	0.002	0.017	0.094	6.376	1.008	0.285	7.735	0.001	0.130	0.028
25	515092	4048121	Stefanos	0.633	0.036		392.354	658.649	2788.901	19.566	9757.210	229.890	986.545	0.447	0.298	2.287	11.487	836.447	42.475	1.164	8.864	11.331	4.973	0.041	1.489	10.574	0.188	0.015	0.041	0.005	0.011	0.029	4.774	0.600	0.272	1.289	0.004	0.170	0.056
26	515048	4048049	Stefanos	0.948	0.045	0.006	912.508	810.121	4749.918	9.121	19595.985	893.545	1115.439	28.570	0.687	4.865	13.322	5154.091	33.535	1.872	23.237	11.650	5.196	0.035	3.537	16.223	0.283	0.142	0.053	0.004	0.031	0.151	8.264	0.877	0.872	8.917	0.031	0.392	0.064
27	515032	4048046	Stefanos	1.873	0.110	0.059	1685.672	2088.934	14806.715	5.125	58945.399	2806.032	8286.506	111.904	7.503	11.037	33.168	15589.133	34.713	3.811	96.293	29.372	29.257	0.067	12.852	105.491	1.129	0.624	0.146	0.011	0.101	0.648	10.643	6.257	3.580	31.074	1.195	2.354	0.130
28	515015	4047998	Stefanos	0.089	0.012		239.807	78.840	1056.415	3.334	34418.056	349.387	357.545	57.140	1.389	2.968	1.797	241.046	83.995	0.659	5.293	7.140	4.933		1.025	9.713	0.183	0.165	0.011	0.030	0.001	0.054	2.652	0.521	0.206	10.291	0.034	0.152	0.033
29	514998	4047968	Stefanos	0.122	0.012	0.015	192.436	82.224	894.398	0.576	6976.011	192.837	250.113	33.823	0.843	0.631	2.245	171.857	44.853	0.354	2.309	40.921	1.994	0.003	0.591	7.926	0.130	0.007	0.007	0.020		0.071	6.283	0.421	0.066	20.272	0.007	0.039	0.024
30	515115	4048009	Stefanos	3.226	0.246	0.014	3037.189	3400.140	21853.819	0.282	96356.068	3318.800	4991.983	443.315	48.280	17.599	59.127	13063.790	163.361	5.665	33.371	27.071	17.132	0.025	13.938	47.010	1.473	0.645	0.124	0.040	0.008	0.825	7.111	2.546	3.445	33.433	0.115	0.948	0.224
31	515160	4048086	Stefanos	2.788	0.207		3492.819	2926.386	18825.920		88692.167	3723.196	4092.008	309.568	44.110	14.985	46.453	24134.412	50.300	5.115	89.844	40.987	28.421	0.076	14.139	37.566	1.143	1.506	0.257	0.049	0.026	0.809	7.800	2.104	4.474	26.415	0.227	1.200	0.274
32	515021	4048167	Stefanos	0.160	0.023		399.975	118.514	1737.239	0.120	22664.977	499.075	366.980	111.270	2.037	1.380	2.958	257.985	70.708	0.709	1.340	5.453	0.434		1.486	8.704	0.286	0.104	0.003	0.021		0.107	3.033	0.439	0.083	5.592	0.005	0.127	0.030
33	514958	4048098	Stefanos	0.200	0.017		318.947	141.024	1323.923	0.747	29224.047	323.067	1812.554	99.320	2.118	2.656	3.272	409.252	131.750	1.218	1.718	5.064	0.659		0.834	30.359	0.237	0.120	0.007	0.041	0.001	0.066	3.338	1.168	0.096	29.502	0.007	0.149	0.038

Pseudo-total

ID	E	N	Places	Li	Be	B	Na	Mg	Al	Si	S	K	Ca	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	As	Se	Rb	Sr	Y	Mo	Cd	Sb	Te	Cs	Ba	La	Tl	Pb	Bi	Th	U
Atomic Number				3	4	5	11	12	13	14	16	19	20	22	23	24	25	26	27	28	29	30	33	34	37	38	39	42	48	51	52	55	56	57	81	82	83	90	92
				µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
1	518465	4049840	Lakki Plain	5.34	0.16	3.37	3364	6242	14367	883	136	1165	24945	1191	50.94	6.43	222.40	13146	5.89	10.94	9.20	22.94	1.18	0.08	4.98	100.99	4.49	0.55	0.04	0.06	0.00	0.39	38.54	6.98	0.04	2.40	0.03	0.91	0.28
2	515026	4047948	Lakki Plain	1.33	0.07	5.01	2103	790	16709	814	13188	4938	687	311	40.16	12.00	21.16	12649	0.37	1.05	9.43	7.75	82.29	0.75	10.24	178.91	2.43	1.44	0.01	0.94	0.15	1.79	2453.96	9.02	1.77	258.70	1.20	1.69	0.20
3	515008	4047754	Lakki Plain	5.24	0.22	5.20	2229	3022	21136	911	7283	3219	4595	694	55.40	153.13	437.62	105982	11.41	124.22	194.00	2320.08	47.62	0.82	11.51	132.87	4.59	18.07	0.46	3.11	0.14	0.73	362.82	10.19	1.24	119.92	1.03	2.04	0.43
4	514836	4047603	Lakki Plain	2.61	0.11	3.35	1492	937	13878	473	7228	3499	645	478	30.08	14.66	36.66	9289	1.08	3.54	12.23	11.67	16.73	0.36	12.70	98.10	2.24	0.82	0.02	0.38	0.05	0.86	904.46	9.81	0.25	47.52	0.43	2.10	0.64
5	514702	4047912	Lakki Plain	1.91	0.11	9.65	1033	1075	11601	764	5236	2730	871	225	19.62	5.46	41.80	9477	0.65	2.06	11.13	11.36	24.29	1.31	12.05	60.62	3.12	1.88	0.08	0.56	0.16	0.94	494.45	11.55	0.42	63.40	1.09	2.56	0.31
6	514617	4048285	Lakki Plain	2.25	0.08	1.37	1487	968	11560	1179	3917	2135	1679	480	20.09	2.94	57.62	7110	1.35	2.00	5.37	13.23	4.97	0.22	3.84	83.54	1.55	0.56	0.02	0.16	0.03	0.26	248.63	6.73	0.08	16.01	0.21	1.69	0.19
7	514608	4048481	Lakki Plain	0.67	0.06	10.11	445	413	7312	954	3055	1944	400	139	10.66	1.47	18.59	4204	0.21	0.22	3.63	4.34	10.49	0.76	7.01	43.18	2.10	1.00	0.003	0.34	0.10	0.57	416.86	9.83	0.18	38.55	0.42	2.27	0.23
8	514541	4048566	Lakki Plain	1.48	0.07	3.26	1095	679	12549	820	7862	3261	642	345	19.99	4.82	29.64	9131	0.69	1.77	7.55	6.83	11.35	0.91	6.57	73.01	1.86	1.15	0.004	0.38	0.12	0.35	892.88	7.72	0.24	38.84	0.76	1.75	0.31
9	514659	4048676	Lakki Plain	0.29	0.02	1.80	421	111	4052	1177	4508	1176	289	131	4.47	1.19	5.23	743	0.19	0.29	1.36	3.02	2.10	0.62	1.99	124.02	1.11	1.03		0.80	0.03	0.17	3073.45	4.73	0.02	43.80	0.36	0.99	0.11
10	514830	4048652	Lakki Plain	1.51	0.10	8.33	1448	595	17941	781	10492	4798	413	233	20.19	3.62	19.03	7395	0.35	0.58	7.25	5.70	17.75	1.42	7.71	103.55	2.44	1.31	0.01	0.56	0.24	0.39	705.71	9.91	0.24	42.30	1.50	2.11	0.22
11	514861	4048610	Lakki Plain	1.63	0.10	5.46	1547	501	18428	2117	11150	4774	397	231	20.15	2.90	16.79	6129	0.35	1.49	6.23	5.29	13.82	1.27	5.87	103.85	2.40	0.95	0.00	0.39	0.25	0.24	431.01	10.14	0.19	27.99	0.64	2.06	0.23
12	514979	4048382	Lakki Plain	1.57	0.10	4.25	929	959	12413	1452	5747	2654	766	332	21.40	6.26	35.07	8302	0.71	2.16	15.27	8.95	24.41	0.76	7.27	69.88	3.05	0.96	0.02	0.94	0.15	0.45	515.49	10.00	0.30	33.61	0.79	2.28	0.26
13	515081	4048259	Lakki Plain	1.24	0.10	4.61	1814	1298	19782	1561	11547	4642	847	220	31.05	6.08	31.58	14966	0.46	1.08	11.08	8.18	29.70	1.75	8.37	101.54	2.78	1.92	0.01	1.19	0.33	0.46	1153.26	9.81	0.59	61.69	1.57	2.31	0.26
14	515130	4048399	Lakki Plain	4.97	0.34	10.93	1112	2325	21690	720	7409	4321	2472	324	33.69	14.40	102.51	14345	2.51	8.75	13.15	33.78	22.13	1.38	18.40	92.36	5.76	1.70	0.14	0.99	0.22	1.18	473.52	13.71	0.58	50.89	1.15	2.93	0.50
15	515210	4048719	Lakki Plain	1.80	0.12	2.68	1183	1366	17700	1765	7642	4000	1305	427	27.33	5.47	62.64	8565	1.09	2.23	6.66	11.77	9.81	0.57	6.39	81.14	2.96	0.90	0.01	0.35	0.10	0.36	407.72	11.55	0.15	24.05	0.44	2.99	0.33
16	515402	4048152	Lakki Plain	6.09	0.16	4.08	1522	3639	22390	2751	6657	2557	2207	1256	85.31	32.12	201.94	26364	4.42	14.07	18.85	30.20	19.22	0.51	11.36	150.04	3.34	1.28	0.07	0.47	0.07	0.96	1098.31	10.12	0.48	67.61	0.52	2.32	0.39
17	515296	4048377	Lakki Plain	3.42	0.12	3.37	1697	2245	16012	1409	4265	2233	2806	612	39.27	14.42	108.64	12259	2.11	9.24	13.92	15.35	16.48	0.55	7.38	108.94	3.83	1.20	0.08	0.46	0.09	0.61	378.89	9.31	0.38	46.33	0.55	1.82	0.31
18	514990	4048141	Stefanos	0.26	0.03	0.73	546	205	5340	2143	92154	1197	376	124	7.95	2.23	4.57	351	119.92	0.66	3.10	1.72	8.66	1.38	3.61	57.71	1.60	1.05		0.42	0.09	0.47	275.63	2.96	0.25	50.17	0.45	0.56	0.11
19	515020	4048123	Stefanos	0.31	0.04	2.52	1011	232	8620	1544	16431	2204	885	121	12.29	4.62	7.07	1006	16.69	0.42	3.43	2.07	7.24	0.66	4.41	94.07	1.55	0.83	0.01	0.40	0.11	0.38	704.05	6.72	0.36	77.82	0.95	1.15	0.12
20	515050	4048108	Stefanos	1.66	0.14	6.71	4616	1339	42794	435	72781	10177	3118	368	78.56	27.80	23.80	14134	167.01	2.65	53.26	11.26	74.64	3.26	18.04	350.52	2.97	4.62	0.07	1.57	0.60	1.26	384.53	18.19	2.34	384.60	6.08	2.92	0.36
21	515096	4048083	Stefanos	1.74	0.14	5.00	3619	1733	32132	726	85664	5933	5395	414	64.26	21.92	27.22	12100	11.60	2.81	73.61	14.61	60.40	2.29	15.34	308.35	3.02	3.50	0.22	1.61	0.54	1.04	394.46	15.57	3.89	415.16	5.25	3.01	0.42
22	515156	4048052	Stefanos	1.24	0.10	1.76	2106	1226	19043	489	69601	3367	10984	355	33.52	12.60	25.97	5852	75.98	2.39	21.52	8.38	20.11	0.78	9.92	227.56	2.84	1.75	0.05	0.64	0.22	1.10	540.67	11.24	2.38	193.43	1.82	1.41	0.24
23	515131	4048186	Stefanos	0.64	0.07	1.50	1672	607	11283	470	39878	2606	3526	139	19.52	7.58	15.69	5112	207.96	1.93	8.16	6.04	14.05	0.83	7.81	117.82	1.79	1.16	0.02	0.45	0.17	0.73	540.41	6.72	0.95	66.45	1.06	1.24	0.16
24	515119	4048163	Stefanos	0.46	0.05	1.80	1276	433	10289	557	24148	2319	4850	163	16.20	5.65	11.51	2900	57.37	0.76	5.01	4.53	11.98	0.67	5.35	129.12	1.71	0.97	0.02	0.46	0.12	0.56	716.53	7.80	0.68	92.50	0.98	1.10	0.14
25	515092	4048121	Stefanos	1.94	0.19	6.11	5361	1890	43065	822	42625	9820	1175	252	82.46	27.34	33.13	23208	48.02	1.73	23.68	14.42	67.02	2.62	20.38	355.62	3.28	3.43	0.05	1.25	0.37	1.17	645.36	16.13	4.13	262.94	3.73	2.56	0.37
26	515048	4048049	Stefanos	1.49	0.12	7.04	3707	1280	33737	535	62307	7563	1355	369	62.07	21.83	22.69	11387	38.74	2.37	40.46	12.96	57.05	2.78	14.83	272.55	2.47	3.93	0.07	1.42	0.62	1.23	374.50	14.67	2.01	340.46	5.57	2.44	0.31
27	515032	4048046	Stefanos	2.11	0.16	5.00	3837	2317	37505	359	98226	8422	10027	455	72.40	26.38	39.82	22544	38.65	4.66	118.87	24.12	114.05	2.08	22.53	346.82	2.96	4.09	0.15	1.13	0.75	1.64	262.42	19.52	5.05	367.06	12.16	4.63	0.35
28	515015	4047998	Stefanos	0.07	0.01	0.29	1046	90	8006	2261	178438	1957	348	110	12.00	6.90	1.89	329	80.26	0.70	11.23	2.15	68.07	1.14	3.18	90.52	0.57	1.89	0.00	0.70	0.41	0.09	86.51	4.19	0.28	151.16	2.80	0.59	0.11
29	514998	4047968	Stefanos	0.14	0.01	0.49	869	118	6912	380	75758	1671	292	130	10.59	3.87	2.86	394	49.12	0.49	8.64	1.79	26.28	0.56	2.93	104.44	0.78	1.33	0.01	0.59	0.14	0.24	346.19	4.67	0.16	170.94	1.53	0.71	0.16
30	515115	4048009	Stefanos	2.61	0.21	2.05	3572	3356	28790	369	115356	4748	5051	551	62.59	21.72	64.31	14609	180.33	6.49	36.69	21.41	43.45	0.89	17.68	128.33	2.23	2.19	0.12	0.64	0.27	1.17	375.03	6.42	3.99	139.10	2.26	1.47	0.32
31	515160	4048086	Stefanos	2.47	0.20	3.49	4684	2832	31716	475	108485	6721	4038	461	71.35	22.74	50.23	26437	63.40	5.85	97.66	27.03	60.75	1.29	19.69	180.59	2.35	3.39	0.25	0.77	0.36	1.39	415.62	9.52	5.19	187.23	3.72	2.34	0.40
32	515021	4048167	Stefanos	0.14	0.01	0.11	571	130	4005	416	65968	1124	399	127	4.75	2.36	3.39	375	77.07	0.78	2.32	32.51	4.86	0.74	2.71	53.32	0.82	0.83		0.34	0.08	0.23	448.26	2.73	0.15	78.41	0.40	0.50	0.07
33	514958	4048098	Stefanos	0.18	0.01	0.06	542	162	4138	870	47511	918	1935	131	5.90	4.36	3.70	553	146.09	1.41	2.69	3.50	8.87	0.70	1.89	150.30	0.75	1.59	0.01	0.69	0.14	0.13	929.10	5.01	0.13	174.01	0.53	0.62	0.11