



Continuous Air Monitoring System (CAMS) Photoionization Detector Concentration Data (15-min Net Avg)

6/27/2023 Time	Current Action Level ppbv	CAMS 1 VOC ppmv	CAMS 1 VOC ppbv	6/27/2023 Time	Current Action Level ppbv	CAMS 2 VOC ppmv	CAMS 2 VOC ppbv	6/27/2023 Time	Current Action Level ppbv	CAMS 3 VOC ppmv	CAMS 3 VOC ppbv	6/27/2023 Time	Current Action Level ppbv	CAMS 4 VOC ppmv	CAMS 4 VOC ppbv	Notes
0:00	56	0.02668	26.68096	0:00	63	0.035	34.941642	0:00	N/A	0.0027795	2.779507	0:00	48	0.2003916	200.39156	* See Field Investigation Below
0:15	56	0.02496	24.959784	0:15	63	0.034	34.460654	0:15	N/A	0.0023924	2.3924129	0:05	48	0.1994527	199.45275	* See Field Investigation Below
0:30	56	0.02551	25.506581	0:30	63	0.035	34.53453	0:30	N/A	0.0021729	2.1728692	0:10	48	0.2061445	206.14455	* See Field Investigation Below
0:45	56	0.02540	25.39559	0:45	63	0.034	34.424836	0:45	N/A	0.0016683	1.6683105	0:15	48	0.2015544	201.55444	* See Field Investigation Below
1:00	56	0.02376	23.762404	1:00	63	0.034	33.763401	1:00	N/A	0.0008602	0.8601876	0:20	48	0.1985891	198.58914	* See Field Investigation Below
1:15	56	0.02400	23.996554	1:15	63	0.034	33.766512	1:15	N/A	0.0002984	0.2984239	0:25	48	0.1981797	198.1797	* See Field Investigation Below
1:30	56	0.02346	23.45548	1:30	63	0.033	33.010828	1:30	N/A	0	0	0:30	48	0.2014866	201.48657	* See Field Investigation Below
1:45	56	0.02353	23.52821	1:45	63	0.033	33.389268	1:45	N/A	0	0	0:35	48	0.198416	198.41604	* See Field Investigation Below
2:00	56	0.02443	24.430393	2:00	63	0.034	33.682757	2:00	N/A	0.0001497	0.1497412	0:40	48	0.2664946	266.49457	* See Field Investigation Below
2:15	56	0.02456	24.556326	2:15	63	0.033	33.039488	2:15	N/A	0.000716	0.7159664	0:45	48	0.072441	72.441007	* See Field Investigation Below
2:30	56	0.02334	23.335387	2:30	63	0.033	32.939555	2:30	N/A	0.000108	0.1079526	0:50	48	0	0	
2:45	56	0.02183	21.825682	2:45	63	0.033	33.031791	2:45	N/A	0	0	0:55	48	0.1549887	154.98873	* See Field Investigation Below
3:00	56	0.02215	22.145209	3:00	63	0.033	32.775793	3:00	N/A	0	0	1:00	48	0.2041723	204.17226	* See Field Investigation Below
3:15	56	0.02216	22.159245	3:15	63	0.032	32.455811	3:15	N/A	0	0	1:05	48	0.1975894	197.58939	* See Field Investigation Below
3:30	56	0.02170	21.695093	3:30	63	0.032	32.348655	3:30	N/A	0	0	1:10	48	0.1985535	198.55351	* See Field Investigation Below
3:45	56	0.02062	20.623989	3:45	63	0.032	32.223417	3:45	N/A	0	0	1:15	48	0.1985823	198.58232	* See Field Investigation Below
4:00	56	0.02011	20.107119	4:00	63	0.032	32.18391	4:00	N/A	0	0	1:20	48	0.1974284	197.42841	* See Field Investigation Below
4:15	56	0.01995	19.953442	4:15	63	0.032	31.632569	4:15	N/A	0	0	1:25	48	0.1968738	196.8738	* See Field Investigation Below
4:30	56	0.02128	21.280826	4:30	63	0.032	31.558469	4:30	N/A	0	0	1:30	48	0.2056783	205.67831	* See Field Investigation Below
4:45	56	0.02190	21.901048	4:45	63	0.031	31.217977	4:45	N/A	0	0	1:35	48	0.2005296	200.52956	* See Field Investigation Below
5:00	56	0.02262	22.620071	5:00	63	0.031	31.269688	5:00	N/A	0	0	1:40	48	0.1972017	197.20175	* See Field Investigation Below
5:15	56	0.02024	20.244607	5:15	63	0.032	31.600386	5:15	N/A	0	0	1:45	48	0.2028239	202.82394	* See Field Investigation Below
5:30	56	0.01987	19.874619	5:30	63	0.032	32.07638	5:30	N/A	0	0	1:50	48	0.1990812	199.08116	* See Field Investigation Below
5:45	56	0.02118	21.179491	5:45	63	0.032	32.008277	5:45	N/A	0	0	1:55	48	0.1964365	196.4365	* See Field Investigation Below
6:00	56	0.02275	22.746367	6:00	63	0.032	31.927643	6:00	N/A	0	0	2:00	48	0.2550799	255.07986	* See Field Investigation Below
6:15	56	0.02126	21.257637	6:15	63	0.032	32.452985	6:15	N/A	0	0	2:05	48	0.1292139	129.21386	* See Field Investigation Below
6:30	56	0.02126	21.257253	6:30	63	0.033	33.066222	6:30	N/A	0	0	2:10	48	0	0	
6:45	56	0.02226	22.257088	6:45	63	0.034	33.679705	6:45	N/A	9.65E-06	0.0096505	2:15	48	0	0	
7:00	56	0.02139	21.388469	7:00	63	0.035	34.513964	7:00	N/A	0.0001117	0.1117339	2:20	48	0	0	
7:15	56	0.02338	23.376831	7:15	63	0.035	34.850291	7:15	N/A	0.0007174	0.7173699	2:25	48	0	0	
7:30	56	0.02166	21.656095	7:30	63	0.035	35.252402	7:30	N/A	0.0020418	2.0418364	2:30	48	0	0	
7:45	56	0.02259	22.585132	7:45	63	0.035	35.251589	7:45	N/A	0.0032957	3.2956875	2:35	48	0	0	
8:00	56	0.02368	23.683299	8:00	63	0.035	34.78311	8:00	N/A	0.0032662	3.2661564	2:40	48	0	0	
8:15	56	0.02261	22.610835	8:15	63	0.035	34.795736	8:15	N/A	0.0031999	3.1999167	2:45	48	0	0	
8:30	56	0.02229	22.285121	8:30	63	0.034	34.348917	8:30	N/A	0.003332	3.3320317	2:50	48	0	0	
8:45	56	0.02008	20.08278	8:45	63	0.034	33.509017	8:45	N/A	0.0021925	2.1925223	2:55	48	0	0	
9:00	56	0.01994	19.942583	9:00	63	0.034	33.616373	9:00	N/A	0.0016193	1.619338	3:00	48	0	0	
9:15	56	0.02098	20.98128	9:15	63	0.034	34.362364	9:15	N/A	0.0018577	1.8577358	3:05	48	0	0	
9:30	56	0.02236	22.36414	9:30	63	0.035	34.841904	9:30	N/A	0.0019601	1.9600668	3:10	48	0	0	
9:45	56	0.02052	20.518777	9:45	63	0.035	34.877063	9:45	N/A	0.0014197	1.4197447	3:15	48	0	0	
10:00	56	0.02101	21.007792	10:00	63	0.034	34.263486	10:00	N/A	0.0010149	1.0148535	3:20	48	0	0	
10:15	56	0.02100	21.001447	10:15	63	0.035	35.184317	10:15	N/A	0.0021918	2.1917886	3:25	48	0	0	
10:30	56	0.02012	20.123282	10:30	63	0.035	35.106086	10:30	N/A	0.0027764	2.7764413	3:30	48	0.1749147	174.91469	* See Field Investigation Below

10:45	56	0.01844	18.440765	10:45	63	0.036	35.851719	10:45	N/A	0.0031904	3.1903548	3:35	48	0.1530845	153.08447	* See Field Investigation Below
11:00	56	0.02123	21.23486	11:00	63	0.037	37.048963	11:00	N/A	0.0040037	4.003672	3:40	48	0	0	
11:15	56	0.02096	20.962538	11:15	63	0.038	37.520858	11:15	N/A	0.0032247	3.2247234	3:45	48	0.1284614	128.46141	* See Field Investigation Below
11:30	56	0.02057	20.565283	11:30	63	0.037	37.325526	11:30	N/A	0.0036501	3.6500893	3:50	48	0.2170524	217.05236	* See Field Investigation Below
11:45	56	0.02115	21.149242	11:45	63	0.037	36.825277	11:45	N/A	0.0039121	3.9121032	3:55	48	0.195941	195.94103	* See Field Investigation Below
12:00	56	0.02045	20.451722	12:00	63	0.036	36.17018	12:00	N/A	0.0018724	1.8723715	4:00	48	0.1998027	199.80274	* See Field Investigation Below
12:15	56	0.01963	19.626627	12:15	63	0.035	35.438173	12:15	N/A	0.001838	1.8380276	4:05	48	0.2009582	200.95824	* See Field Investigation Below
12:30	56	0.02075	20.754811	12:30	63	0.036	35.591803	12:30	N/A	0.0010707	1.0707165	4:10	48	0.19593	195.93002	* See Field Investigation Below
12:45	56	0.02149	21.492684	12:45	63	0.036	36.051527	12:45	N/A	0.0018505	1.8505096	4:15	48	0.1983212	198.32118	* See Field Investigation Below
13:00	56	0.02148	21.47669	13:00	63	0.037	36.645351	13:00	N/A	0.0020449	2.0449205	4:20	48	0.2013809	201.38094	* See Field Investigation Below
13:15	56	0.02273	22.725647	13:15	63	0.038	38.093625	13:15	N/A	0.0041558	4.1558407	4:25	48	0.1961516	196.15162	* See Field Investigation Below
13:30	56	0.02490	24.904075	13:30	63	0.040	39.559648	13:30	N/A	0.0046771	4.6771001	4:30	48	0.1995234	199.52343	* See Field Investigation Below
13:45	56	0.02348	23.477275	13:45	63	0.040	40.174784	13:45	N/A	0.0060778	6.0777628	4:35	48	0.2004352	200.43522	* See Field Investigation Below
14:00	56	0.02381	23.813929	14:00	63	0.040	40.266167	14:00	N/A	0.0062953	6.2953184	4:40	48	0.1958593	195.85935	* See Field Investigation Below
14:15	56	0.02383	23.830589	14:15	63	0.040	40.055156	14:15	N/A	0.0059587	5.958688	4:45	48	0.1963192	196.31924	* See Field Investigation Below
14:30	56	0.02390	23.902455	14:30	63	0.040	39.607027	14:30	N/A	0.0047292	4.7291526	4:50	48	0.1973478	197.34778	* See Field Investigation Below
14:45	56	0.02494	24.941584	14:45	63	0.038	38.40359	14:45	N/A	0.0045387	4.5387354	4:55	48	0.1957313	195.73135	* See Field Investigation Below
15:00	56	0.02302	23.017925	15:00	63	0.038	37.841994	15:00	N/A	0.0041799	4.1798771	5:00	48	0.1997972	199.79722	* See Field Investigation Below
15:15	56	0.02320	23.198616	15:15	63	0.039	38.749125	15:15	N/A	0.0041683	4.168312	5:05	48	0.2066651	206.6651	* See Field Investigation Below
15:30	56	0.02169	21.691663	15:30	63	0.038	38.233334	15:30	N/A	0.0048743	4.8742971	5:10	48	0.1959631	195.96307	* See Field Investigation Below
15:45	56	0.02026	20.257954	15:45	63	0.036	36.365903	15:45	N/A	0.0038937	3.8936631	5:15	48	0.1959001	195.90012	* See Field Investigation Below
16:00	56	0.01994	19.938003	16:00	63	0.036	35.669254	16:00	N/A	0.0041361	4.1361462	5:20	48	0.1986915	198.69149	* See Field Investigation Below
16:15	56	0.02104	21.042716	16:15	63	0.036	35.610387	16:15	N/A	0.0026775	2.6774525	5:25	48	0.1955907	195.59066	* See Field Investigation Below
16:30	56	0.02085	20.846144	16:30	63	0.036	36.158694	16:30	N/A	0.0015911	1.5910745	5:30	48	0.1977636	197.76356	* See Field Investigation Below
16:45	56	0.02090	20.895705	16:45	63	0.036	36.145025	16:45	N/A	0.0012287	1.2287259	5:35	48	0.1999458	199.94578	* See Field Investigation Below
17:00	56	0.02086	20.859729	17:00	63	0.036	35.625467	17:00	N/A	0.0009979	0.9979267	5:40	48	0.1978375	197.83751	* See Field Investigation Below
17:15	56	0.02131	21.307689	17:15	63	0.036	36.125682	17:15	N/A	1.131E-05	0.0113077	5:45	48	0.2005125	200.51249	* See Field Investigation Below
17:30	56	0.02303	23.02789	17:30	63	0.037	36.829285	17:30	N/A	0	0	5:50	48	0.1959737	195.97368	* See Field Investigation Below
17:45	56	0.02151	21.506943	17:45	63	0.037	36.974332	17:45	N/A	0	0	5:55	48	0.1969351	196.93513	* See Field Investigation Below
18:00	56	0.02175	21.750045	18:00	63	0.037	36.655079	18:00	N/A	0	0	6:00	48	0.1982172	198.21716	* See Field Investigation Below
18:15	56	0.02140	21.401461	18:15	63	0.037	36.603115	18:15	N/A	0	0	6:05	48	0.1964206	196.42059	* See Field Investigation Below
18:30	56	0.02143	21.43467	18:30	63	0.037	36.632159	18:30	N/A	0	0	6:10	48	0.1970101	197.01008	* See Field Investigation Below
18:45	56	0.02159	21.588264	18:45	63	0.037	36.694318	18:45	N/A	0	0	6:15	48	0.1997079	199.70786	* See Field Investigation Below
19:00	56	0.02186	21.861541	19:00	63	0.037	37.276658	19:00	N/A	5.55E-08	5.55E-05	6:20	48	0.1971752	197.1752	* See Field Investigation Below
19:15	56	0.02186	21.862427	19:15	63	0.037	37.104931	19:15	N/A	8.829E-05	0.0882899	6:25	48	0.1986879	198.68788	* See Field Investigation Below
19:30	56	0.02200	21.995812	19:30	63	0.037	37.252282	19:30	N/A	0.000725	0.7250305	6:30	48	0.2010863	201.08631	* See Field Investigation Below
19:45	56	0.02159	21.586508	19:45	63	0.037	37.128274	19:45	N/A	0.0010028	1.0027852	6:35	48	0.1984421	198.44214	* See Field Investigation Below
20:00	56	0.02164	21.644675	20:00	63	0.037	37.215854	20:00	N/A	0.0023056	2.3056263	6:40	48	0.1982709	198.27088	* See Field Investigation Below
20:15	56	0.02145	21.451676	20:15	63	0.037	37.385151	20:15	N/A	0.0017479	1.7479149	6:45	48	0.1985388	198.53881	* See Field Investigation Below
20:30	56	0.02220	22.196803	20:30	63	0.037	37.430793	20:30	N/A	0.0011404	1.1404484	6:50	48	0.2016078	201.6078	* See Field Investigation Below
20:45	56	0.02274	22.743492	20:45	63	0.038	37.918623	20:45	N/A	0.0011914	1.1913621	6:55	48	0.1986745	198.67446	* See Field Investigation Below
21:00	56	0.02269	22.6908	21:00	63	0.038	37.826254	21:00	N/A	0.0009355	0.9354859	7:00	48	0.1992147	199.21467	* See Field Investigation Below
21:15	56	0.02258	22.5765	21:15	63	0.038	38.268787	21:15	N/A	0.0006428	0.6428133	7:05	48	0.2018979	201.8979	* See Field Investigation Below
21:30	56	0.02249	22.4938	21:30	63	0.038	38.198122	21:30	N/A	0.0009439	0.9439178	7:10	48	0.1998471	199.8471	* See Field Investigation Below
21:45	56	0.02258	22.581125	21:45	63	0.038	38.272784	21:45	N/A	0.0010037	1.0037068	7:15	48	0.2001383	200.1383	* See Field Investigation Below
22:00	56	0.02300	22.995193	22:00	63	0.039	38.517925	22:00	N/A	0.0007224	0.7224069	7:20	48	0.2022386	202.23863	* See Field Investigation Below
22:15	56	0.02342	23.420241	22:15	63	0.038	38.223027	22:15	N/A	0.0010003	1.0003458	7:25	48	0.2006914	200.69143	* See Field Investigation Below
22:30	56	0.02330	23.297082	22:30	63	0.038	38.323599	22:30	N/A	0.0010494	1.0494005	7:30	48	0.2016243	201.62433	* See Field Investigation Below
22:45	56	0.02328	23.279677	22:45	63	0.038	38.246196	22:45	N/A	0.0006097	0.6096746	7:35	48	0.20654	206.53998	* See Field Investigation Below
23:00	56	0.02307	23.066458	23:00	63	0.038	37.789699	23:00	N/A	0.0005348	0.5348044	7:40	48	0.2012127	201.21268	* See Field Investigation Below
23:15	56	0.02336	23.363875	23:15	63	0.038	37.525779	23:15	N/A	0.0011809	1.1808741	7:45	48	0.2013639	201.36386	* See Field Investigation Below
23:30	56	0.02345	23.4489	23:30	63	0.038	37.77212	23:30	N/A	0.0016525	1.6525183	7:50	48	0.2033908	203.39083	* See Field Investigation Below
23:45	56	0.02256	22.558303	23:45	63	0.038	37.90209	23:45	N/A	0.0014548	1.4548437	7:55	48	0.2026175	202.61748	* See Field Investigation Below

* Field Investigation	Facility Operations identified no issues in the facility related to the elevated Photoionization Detector (PID) readings. Please refer to Summa canister laboratory analytical data for ambient air results.
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8:00	48	0.2022897	202.28967	* See Field Investigation Below
8:05	48	0.2022952	202.29519	* See Field Investigation Below
8:10	48	0.2026996	202.69962	* See Field Investigation Below
8:15	48	0.2054965	205.49645	* See Field Investigation Below
8:20	48	0.2037157	203.71565	* See Field Investigation Below
8:25	48	0.2031651	203.16513	* See Field Investigation Below
8:30	48	0.2017466	201.74661	* See Field Investigation Below
8:35	48	0.2039973	203.99726	* See Field Investigation Below
8:40	48	0.2022047	202.20467	* See Field Investigation Below
8:45	48	0.202226	202.22603	* See Field Investigation Below
8:50	48	0.202183	202.183	* See Field Investigation Below
8:55	48	0.2055673	205.56732	* See Field Investigation Below
9:00	48	0.2042773	204.27734	* See Field Investigation Below
9:05	48	0.2046267	204.6267	* See Field Investigation Below
9:10	48	0.2045437	204.54374	* See Field Investigation Below
9:15	48	0.204388	204.38801	* See Field Investigation Below
9:20	48	0.2103173	210.3173	* See Field Investigation Below
9:25	48	0.2069016	206.90163	* See Field Investigation Below
9:30	48	0.2049149	204.91489	* See Field Investigation Below
9:35	48	0.2041598	204.15975	* See Field Investigation Below
9:40	48	0.2054918	205.49178	* See Field Investigation Below
9:45	48	0.2049601	204.96007	* See Field Investigation Below
9:50	48	0.2040599	204.05995	* See Field Investigation Below
9:55	48	0.2039453	203.94531	* See Field Investigation Below
10:00	48	0.2046581	204.65814	* See Field Investigation Below
10:05	48	0.2042173	204.21727	* See Field Investigation Below
10:10	48	0.204752	204.75198	* See Field Investigation Below
10:15	48	0.2035341	203.53413	* See Field Investigation Below
10:20	48	0.2031729	203.17288	* See Field Investigation Below
10:25	48	0.203511	203.51104	* See Field Investigation Below
10:30	48	0.2027639	202.76386	* See Field Investigation Below
10:35	48	0.2014061	201.4061	* See Field Investigation Below
10:40	48	0.2028123	202.81234	* See Field Investigation Below
10:45	48	0.2050467	205.04672	* See Field Investigation Below
10:50	48	0.205429	205.42897	* See Field Investigation Below
10:55	48	0.205276	205.27596	* See Field Investigation Below
11:00	48	0.2050162	205.01621	* See Field Investigation Below
11:05	48	0.204822	204.82205	* See Field Investigation Below
11:10	48	0.2044227	204.42268	* See Field Investigation Below
11:15	48	0.2042806	204.2806	* See Field Investigation Below
11:20	48	0.2044749	204.47493	* See Field Investigation Below
11:25	48	0.2047575	204.75746	* See Field Investigation Below
11:30	48	0.2051885	205.18852	* See Field Investigation Below
11:35	48	0.2055763	205.57634	* See Field Investigation Below
11:40	48	0.2058705	205.87045	* See Field Investigation Below
11:45	48	0.2061219	206.12191	* See Field Investigation Below
11:50	48	0.2062229	206.22292	* See Field Investigation Below
11:55	48	0.2062755	206.27554	* See Field Investigation Below
12:00	48	0.2047009	204.7009	* See Field Investigation Below
12:05	48	0.2049647	204.96466	* See Field Investigation Below
12:10	48	0.2033752	203.37515	* See Field Investigation Below
12:15	48	0.2039858	203.9858	* See Field Investigation Below
12:20	48	0.2049543	204.95426	* See Field Investigation Below

12:25	48	0.204275	204.27499	* See Field Investigation Below
12:30	48	0.2043827	204.38268	* See Field Investigation Below
12:35	48	0.2055324	205.53235	* See Field Investigation Below
12:40	48	0.2053586	205.35859	* See Field Investigation Below
12:45	48	0.2034748	203.4748	* See Field Investigation Below
12:50	48	0.2033019	203.30194	* See Field Investigation Below
12:55	48	0.2047601	204.76009	* See Field Investigation Below
13:00	48	0.201031	201.03103	* See Field Investigation Below
13:05	48	0.1788277	178.82766	* See Field Investigation Below
13:10	48	0.1529195	152.91946	* See Field Investigation Below
13:15	48	0.1306163	130.61631	* See Field Investigation Below
13:20	48	0.1188879	118.88793	* See Field Investigation Below
13:25	48	0.110893	110.89299	* See Field Investigation Below
13:30	48	0.1020705	102.07053	* See Field Investigation Below
13:35	48	0.0936922	93.692212	* See Field Investigation Below
13:40	48	0.087897	87.89699	* See Field Investigation Below
13:45	48	0.0829576	82.957639	* See Field Investigation Below
13:50	48	0.0780333	78.033289	* See Field Investigation Below
13:55	48	0.0747725	74.772478	* See Field Investigation Below
14:00	48	0.0711481	71.148082	* See Field Investigation Below
14:05	48	0.0675154	67.515429	* See Field Investigation Below
14:10	48	0.0641624	64.162421	* See Field Investigation Below
14:15	48	0.0596747	59.674744	* See Field Investigation Below
14:20	48	0.0563416	56.341603	* See Field Investigation Below
14:25	48	0.0525846	52.584623	* See Field Investigation Below
14:30	48	0.0495615	49.561544	* See Field Investigation Below
14:45	48	0.0445477	44.54773	
15:00	48	0.0383415	38.341493	
15:15	48	0.0356937	35.693737	
15:30	48	0.0332523	33.252274	
15:45	48	0.0335972	33.597235	
16:00	48	0.031918	31.917985	
16:15	48	0.0328797	32.879675	
16:30	48	0.0335315	33.531451	
16:45	48	0.0348265	34.826524	
17:00	48	0.0342414	34.241403	
17:15	48	0.034692	34.69201	
17:30	48	0.0351496	35.14965	
17:45	48	0.0345671	34.567064	
18:00	48	0.0337636	33.763642	
18:15	48	0.0329276	32.927554	
18:30	48	0.031834	31.833985	
18:45	48	0.0318952	31.895236	
19:00	48	0.0315127	31.512686	
19:15	48	0.0307367	30.736694	
19:30	48	0.0312092	31.209174	
19:45	48	0.0314304	31.430352	
20:00	48	0.0310057	31.005726	
20:15	48	0.0302071	30.207089	
20:30	48	0.0300468	30.046755	
20:45	48	0.0293907	29.39071	
21:00	48	0.0288694	28.869363	
21:15	48	0.0289985	28.998477	

21:30	48	0.0282466	28.246605	
21:45	48	0.0284754	28.475379	
22:00	48	0.028663	28.662963	
22:15	48	0.0287032	28.70316	
22:30	48	0.0281249	28.124883	
22:45	48	0.027782	27.781982	
23:00	48	0.0279388	27.938753	
23:15	48	0.027502	27.501963	
23:30	48	0.027302	27.30195	
23:45	48	0.0266315	26.631495	