

					Dt	Dx	Dy	Rack
Age	Nuclear	Mito	Diet					
old	3	B	II	count	13008	13008	13008	13108
				mean	1.0042282	0.0211187	1.0935163	10.914098
				std	0.0797703	0.6211497	1.5212103	6.6549715
				min	1	-10.43744	-18.2389	1
				25%	1	-0.220682	0.1744763	1
				50%	1	0.010867	0.9298268	13
				75%	1	0.2629347	1.8036588	13
				max	3	6.3956427	17.735492	19
			IV	count	20371	20371	20371	20556
				mean	1.010456	0.0231181	1.3596427	10.309982
				std	0.1254883	0.7110003	1.9142216	5.8819523
				min	1	-10.08289	-18.85595	1
				25%	1	-0.227341	0.1635749	7
				50%	1	0.0174837	1.195918	13
				75%	1	0.2961982	2.4147424	13
				max	3	12.55378	18.770827	19
			V	count	20398	20398	20398	20608
				mean	1.0163742	0.0331882	1.5316531	9.712927
				std	0.1560235	0.6556031	2.2537608	5.1484569
				min	1	-13.23879	-18.68803	1
				25%	1	-0.213615	0.3676306	7
				50%	1	0.0237047	1.4930621	13
				75%	1	0.2911034	2.7336722	13
				max	3	11.304859	18.49956	19
	C		II	count	21710	21710	21710	21928
				mean	1.0138185	0.0199741	1.2525243	12.036848
				std	0.1423425	0.8938698	1.9414008	6.6189135
				min	1	-17.36833	-18.77746	1
				25%	1	-0.212665	0.4009452	8
				50%	1	0.0138619	1.2406485	13
				75%	1	0.2495236	2.0619866	20
				max	3	18.659798	18.358733	20
			IV	count	10266	10266	10266	10372
				mean	1.021917	0.001781	1.2172972	10.035866
				std	0.1793175	0.826561	2.1860237	8.6851452
				min	1	-16	-18.74817	1
				25%	1	-0.192441	0.3858934	1
				50%	1	0.0092407	1.2761105	7
				75%	1	0.2302105	2.0280426	19
				max	3	14.805909	18.453549	19
			V	count	11920	11920	11920	12007
				mean	1.0035235	0.0255976	1.0652249	10.026318
				std	0.070863	0.5900572	1.2489359	2.4548171
				min	1	-6.522943	-17.72496	8
				25%	1	-0.190315	0.2982468	8
				50%	1	0.0226488	1.0046528	8

G	II	75%	1	0.2517499	1.7592247	13
		max	3	11.259396	18.023735	13
		count	20690	20690	20690	20829
		mean	1.0052199	0.0154782	0.954566	8.6521677
		std	0.0872334	0.6339077	1.4865482	4.6358718
		min	1	-12.08974	-18.61466	2
		25%	1	-0.19838	0.2906657	2
		50%	1	0.0110282	0.9591935	8
		75%	1	0.2344761	1.567464	14
		max	3	11.222501	18.800783	14
	IV	count	16715	16715	16715	16838
		mean	1.0165719	0.0223614	0.8555448	10.212496
		std	0.1574616	0.5237069	1.9223352	2.5848744
		min	1	-15.22205	-18.83768	1
		25%	1	-0.13844	0.3788195	8
		50%	1	0.0205712	0.8186731	8
		75%	1	0.1885005	1.3156343	13
		max	3	17.391672	18.750921	13
	V	count	20359	20359	20359	20477
		mean	1.0019156	0.0011675	1.1105691	7.5390926
		std	0.0528792	0.590663	1.2119688	5.2378006
		min	1	-9.11134	-18.61925	2
		25%	1	-0.221033	0.4008315	2
		50%	1	0.0088072	0.9666227	8
		75%	1	0.2437453	1.6432599	14
		max	3	12.18416	17.014599	14
I	II	count	15139	15139	15139	15257
		mean	1.0082568	0.0053337	1.0264257	6.4704726
		std	0.110837	0.5947039	1.8016868	5.2362196
		min	1	-11.62679	-18.32579	2
		25%	1	-0.220849	0.1292355	2
		50%	1	0.0013418	0.9259057	2
		75%	1	0.2374368	1.9081926	14
		max	3	8.5402418	18.733311	14
	IV	count	11780	11780	11780	11868
		mean	1.0036503	-0.023746	1.0016466	4.9352882
		std	0.0786393	0.8350187	1.5004817	4.7825057
		min	1	-9.027198	-18.30202	2
		25%	1	-0.22679	0.1439934	2
		50%	1	-0.000598	0.8597057	2
		75%	1	0.224442	1.8051154	8
		max	3	10.172222	18.865921	14
	V	count	20428	20428	20428	20574
		mean	1.0067065	0.0084545	1.0019185	12.34145
		std	0.1023734	0.5533503	1.5473511	7.6318219
		min	1	-14.80478	-17.70807	2
		25%	1	-0.179878	0.1377935	2
		50%	1	0.0078999	0.9225034	14

15	B	II	75%	1	0.2033263	1.8212272	20
			max	3	14.628279	18.857158	20
			count	7637	7637	7637	7805
			mean	1.0542098	0.0261837	0.6061034	7.653171
			std	0.2853038	1.8515274	3.3823059	4.6971061
			min	1	-17.67219	-18.66336	3
			25%	1	-0.206467	-0.027852	3
			50%	1	0.0008697	0.4752036	9
			75%	1	0.2422129	1.349367	9
			max	3	17.981867	18.740095	15
		IV	count	3797	3797	3797	3887
			mean	1.0613642	0.0369913	0.1390934	6.2567533
			std	0.300466	0.9538035	3.5240996	4.8004375
			min	1	-8.072495	-18.86863	2
			25%	1	-0.210781	-0.311307	2
			50%	1	-0.007165	0.3800517	2
			75%	1	0.2080609	1.1195687	9
			max	3	15.524961	18.391713	14
		V	count	13386	13386	13386	13484
			mean	1.0082175	0.0459801	0.8015171	7.5725304
			std	0.1076443	0.5186578	1.548388	4.8037976
			min	1	-8.163611	-18.03997	3
			25%	1	-0.164567	0.1507383	3
			50%	1	0.0360212	0.7388828	9
			75%	1	0.2586813	1.3883442	9
			max	3	6.9955535	18.900838	15
	C	II	count	12463	12463	12463	12605
			mean	1.0150044	0.0275413	1.0202758	11.6595
			std	0.1499463	0.6348491	1.7494902	3.9048158
			min	1	-14.62378	-17.9157	3
			25%	1	-0.163715	0.3623773	10
			50%	1	0.02343	1.1334818	10
			75%	1	0.2365641	1.6284729	15
			max	3	10.039597	18.882107	15
		IV	count	6740	6740	6740	6792
			mean	1.022997	0.0015442	0.5234974	5.6828622
			std	0.1804495	0.5532227	2.0389282	2.9834098
			min	1	-15.72029	-18.60366	3
			25%	1	-0.207159	0.0377036	3
			50%	1	0.0022303	0.5107606	3
			75%	1	0.2152052	1.118979	9
			max	3	6.7509596	18.541873	9
		V	count	12933	12933	12933	13068
			mean	1.0122168	0.0354056	1.3115479	12.528696
			std	0.12926	0.51939	1.6590274	2.499931
			min	1	-10.45702	-18.70366	10
			25%	1	-0.146729	0.6589364	10
			50%	1	0.0253906	1.4168429	15

G	II	75%	1	0.2158984	2.0002128	15
		max	3	8.9308213	18.855723	15
		count	248	248	248	267
		mean	1.2580645	-0.09818	-0.046977	3
		std	0.5528135	3.1071549	6.651112	0
		min	1	-13.06504	-17.4217	3
		25%	1	-0.383133	-4.67958	3
		50%	1	-0.034992	-0.230055	3
		75%	1	0.3408703	3.967919	3
		max	3	17.520442	17.899281	3
	IV	count	16030	16030	16030	16174
		mean	1.0099813	0.0236787	1.0816166	11.497032
		std	0.1209284	0.6111134	1.5066803	3.6611344
		min	1	-13.91872	-18.17058	3
		25%	1	-0.152424	0.4144049	10
		50%	1	0.0220547	1.1127603	10
		75%	1	0.2155129	1.6960378	15
		max	3	8.8587262	18.725347	15
	V	count	17152	17152	17152	17328
		mean	1.0120103	0.0255407	1.3281522	11.309557
		std	0.1294773	0.5011903	1.8769825	3.9052932
		min	1	-8.649055	-18.67837	4
		25%	1	-0.165463	0.4033878	10
		50%	1	0.0215805	1.5882209	10
		75%	1	0.2252107	2.2808692	16
		max	3	8.3890674	18.492432	16
I	II	count	3195	3195	3195	3224
		mean	1.0071987	0.0055089	0.6218394	4.0967742
		std	0.1044328	0.4755895	1.7035861	1.0734442
		min	1	-10.29752	-18.06671	4
		25%	1	-0.160157	0.0141175	4
		50%	1	0.0147687	0.6537672	4
		75%	1	0.1918686	1.6100355	4
		max	3	6.1589781	15.174596	16
	IV	count	5734	5734	5734	5808
		mean	1.0408092	0.0062644	0.4013127	7.0919421
		std	0.2465356	0.4831	2.7863497	2.998849
		min	1	-3.884791	-18.83349	4
		25%	1	-0.172248	-0.059843	4
		50%	1	0.0067985	0.4348282	10
		75%	1	0.1767551	1.0235846	10
		max	3	4.8627616	18.745894	10
	V	count	9849	9849	9849	9969
		mean	1.0317799	0.0350166	1.2162284	10
		std	0.2135378	0.5074424	2.7753197	0
		min	1	-12.11257	-18.41137	10
		25%	1	-0.165019	0.8283766	10
		50%	1	0.0264098	1.5480444	10

19	B	II	75%	1	0.2444561	1.9976177	10
			max	3	5.7519835	18.79811	10
			count	28600	28600	28600	28833
			mean	1.006014	0.0276143	1.4350171	13.788818
			std	0.0955248	0.504902	1.327553	5.9307799
			min	1	-10.06824	-18.65056	4
			25%	1	-0.175213	1.0264844	11
			50%	1	0.0204916	1.5394367	16
			75%	1	0.2261861	2.0089748	20
			max	3	13.544668	18.817576	20
		IV	count	33959	33959	33959	34238
			mean	1.0090109	0.02946	1.3153116	13.795666
			std	0.1139902	0.4370602	1.5442844	6.3200012
			min	1	-16.46712	-18.72786	4
			25%	1	-0.159498	0.8591131	11
			50%	1	0.023846	1.4673664	16
			75%	1	0.2177196	1.9464663	20
			max	3	8.8275651	18.679631	21
		V	count	24620	24620	24620	24822
			mean	1.0091795	0.0147257	1.1884384	14.10112
			std	0.1178502	0.4949504	1.6144852	5.1871862
			min	1	-14.76951	-18.88077	4
			25%	1	-0.173674	0.5650335	11
			50%	1	0.0165684	1.2134615	16
			75%	1	0.2125528	1.8735899	20
			max	3	8.8114813	18.410564	20
	C	II	count	34041	34041	34041	34260
			mean	1.0037602	0.0298625	1.550269	13.06042
			std	0.0738243	0.4298234	1.1638132	5.9615681
			min	1	-9.510314	-18.47987	5
			25%	1	-0.159701	1.0244349	5
			50%	1	0.0258445	1.6360333	11
			75%	1	0.2208567	2.1718941	17
			max	3	10.969144	18.192747	21
		IV	count	22855	22855	22855	23036
			mean	1.0104135	0.0265454	1.160009	9.9918823
			std	0.1275002	0.4848816	1.5238159	4.4895822
			min	1	-13.88839	-18.82407	5
			25%	1	-0.152953	0.6280773	5
			50%	1	0.0237887	1.1896873	11
			75%	1	0.2143228	1.7606542	16
			max	3	11.191117	18.872546	20
		V	count	21418	21418	21418	21549
			mean	1.0042021	0.0407279	1.361823	11.735904
			std	0.0783943	0.4737707	1.1332655	6.8468015
			min	1	-8.467912	-17.82588	5
			25%	1	-0.157649	0.8368374	5
			50%	1	0.0327733	1.4095354	11

old

G	II	75%	1	0.2340736	1.95142	21
		max	3	11.28407	16.630368	21
		count	27489	27489	27489	27697
		mean	1.0044018	0.0465552	1.6337316	11.333863
		std	0.0805764	0.6907993	1.5128557	5.3401343
		min	1	-8.417811	-18.90049	5
		25%	1	-0.182572	0.9037652	5
		50%	1	0.0342313	1.6677506	12
		75%	1	0.2880798	2.3825036	17
		max	3	8.3770187	18.689076	21
	IV	count	29883	29883	29883	30122
		mean	1.0062912	0.0359024	1.5899728	13.121838
		std	0.0958997	0.6520695	1.4830714	5.8197384
		min	1	-8.510153	-18.26987	5
		25%	1	-0.190566	0.9439106	5
		50%	1	0.0302876	1.7123444	12
		75%	1	0.2682392	2.3357692	17
		max	3	9.6192468	18.626838	21
	V	count	28076	28076	28076	28308
		mean	1.0089756	0.0323481	1.5946824	12.667479
		std	0.1135108	0.7220149	1.7552193	5.0149844
		min	1	-15.03901	-18.64101	5
		25%	1	-0.206859	0.6756508	12
		50%	1	0.0203888	1.5362117	12
		75%	1	0.2704085	2.498169	17
		max	3	13.620716	18.495158	21
I	II	count	20360	20360	20360	20563
		mean	1.0099705	0.0340273	1.4253	13.612411
		std	0.1219905	0.7305614	1.9497409	4.3465914
		min	1	-11.09743	-18.65364	6
		25%	1	-0.22141	0.3687184	12
		50%	1	0.0276356	1.2941559	12
		75%	1	0.3009974	2.4298517	18
		max	3	12.652349	18.668373	18
	IV	count	14677	14677	14677	14829
		mean	1.0122641	0.0235606	1.3373994	12.995212
		std	0.1380747	0.6932897	1.8669106	3.2938403
		min	1	-11.08609	-18.35988	6
		25%	1	-0.226494	0.3624755	12
		50%	1	0.0186224	1.2651089	12
		75%	1	0.2789784	2.184074	17
		max	3	16.723263	18.679158	17
	V	count	15218	15218	15218	15396
		mean	1.0138652	0.0377927	1.1284825	12.943492
		std	0.1454835	0.8486626	1.9384666	5.23517
		min	1	-17.70354	-18.64335	6
		25%	1	-0.196719	0.3231961	6
		50%	1	0.0251427	1.159055	12

young	3	B	II	75%	1	0.2623536	1.951713	18
				max	3	16.516911	18.740414	18
				count	16931	16931	16931	17080
				mean	1.0014175	0.0337733	1.9670819	3.9079625
				std	0.0447913	0.751703	1.6767688	2.9986756
				min	1	-9.200127	-16.96775	1
				25%	1	-0.279721	0.5972292	1
				50%	1	0.0213619	2.0996673	1
				75%	1	0.3568488	3.1983743	7
				max	3	8.9566729	18.627338	7
			IV	count	16481	16481	16481	16643
				mean	1.0037012	0.019697	2.2085774	3.8242504
				std	0.0708711	0.8102367	1.8761987	2.9949376
				min	1	-6.888434	-17.68599	1
				25%	1	-0.314116	0.8153758	1
				50%	1	0.0168719	2.4483931	1
				75%	1	0.3687567	3.5054843	7
				max	3	8.5122557	17.861998	7
			V	count	17154	17154	17154	17323
				mean	1.001982	0.0205599	2.0516872	3.8536628
				std	0.0517476	0.7824137	1.741089	2.9965153
				min	1	-7.52216	-18.52661	1
				25%	1	-0.298319	0.6701192	1
				50%	1	0.0134797	2.2520168	1
				75%	1	0.3523411	3.2425293	7
				max	3	9.0950721	18.15624	7
		C	II	count	16354	16354	16354	16480
				mean	1.0023847	0.0180494	1.6852144	3.8809466
				std	0.0589908	0.7352414	1.6044506	2.9977277
				min	1	-10.23106	-18.54823	1
				25%	1	-0.26722	0.3776889	1
				50%	1	0.0135707	1.6869892	1
				75%	1	0.3162502	2.786235	7
				max	3	14.755342	19.094235	7
			IV	count	9308	9308	9308	9387
				mean	1.0020413	0.0213707	1.9665573	1
				std	0.0538226	0.9004922	1.8177994	0
				min	1	-11.87598	-17.96428	1
				25%	1	-0.301306	0.8145996	1
				50%	1	0.018474	2.0789439	1
				75%	1	0.3682196	3.1142688	1
				max	3	9.439851	18.519858	1
			V	count	15317	15317	15317	15447
				mean	1.0094013	0.0283263	1.6749831	3.915906
				std	0.1155924	0.7911933	2.0500892	2.9989182
				min	1	-13.73565	-19.07338	1
				25%	1	-0.266075	0.3496293	1
				50%	1	0.0217861	1.6948464	1

G	II	75%	1	0.3259145	2.8777981	7
		max	3	8.6753346	19.213112	7
		count	15363	15363	15363	15590
		mean	1.0029942	0.0551846	2.5965164	4.9161001
		std	0.0634584	0.9334025	2.0173417	2.9989228
		min	1	-9.570286	-18.76542	2
		25%	1	-0.329922	1.115382	2
		50%	1	0.0303348	2.9444665	2
		75%	1	0.4508451	3.9856459	8
		max	3	9.4370175	18.989085	8
	IV	count	17773	17773	17773	17940
		mean	1.0081584	0.05052	2.4038551	4.6346154
		std	0.1060347	0.8112758	1.9184526	2.4964427
		min	1	-13.0624	-18.5188	2
		25%	1	-0.313546	1.4144485	2
		50%	1	0.0303697	2.7319786	7
		75%	1	0.4176641	3.5443119	7
		max	3	10.379601	19.060064	7
	V	count	16574	16574	16574	16758
		mean	1.0037408	0.0291511	2.7703318	5.0315073
		std	0.0710949	0.9743496	1.7753737	2.9999241
		min	1	-14.59937	-18.92129	2
		25%	1	-0.384304	1.8907989	2
		50%	1	0.0162136	3.0948771	8
		75%	1	0.4490304	3.9091731	8
		max	3	12.206154	18.061939	8
I	II	count	16729	16729	16729	16887
		mean	1.0020922	0.019615	2.3497435	4.9468822
		std	0.0529649	0.9051217	1.7105997	2.9996185
		min	1	-15.58514	-19.1703	2
		25%	1	-0.365734	1.3584405	2
		50%	1	0.0171234	2.5862651	2
		75%	1	0.4229075	3.445578	8
		max	3	13.706452	18.87956	8
	IV	count	16874	16874	16874	17057
		mean	1.0042077	0.0199238	2.3264476	5.0423873
		std	0.076483	0.9653461	1.8676263	2.9997885
		min	1	-13.04564	-18.80791	2
		25%	1	-0.379571	1.268449	2
		50%	1	0.0128071	2.5627897	8
		75%	1	0.4273767	3.4585115	8
		max	3	15.811057	18.464431	8
	V	count	15095	15095	15095	15285
		mean	1.0037098	0.0239554	2.3256445	5.3907753
		std	0.0727073	1.0134864	1.9753525	2.9745375
		min	1	-15.57087	-18.5926	2
		25%	1	-0.357434	1.1502028	2
		50%	1	0.0182601	2.5621809	8

15	B	II	75%	1	0.4017205	3.5876279	8
			max	3	15.984576	18.624977	8
			count	15579	15579	15579	15735
			mean	1.0036588	0.0197194	2.3955513	5.864061
			std	0.0729016	0.6561821	1.5871166	2.9970138
			min	1	-9.756161	-17.93861	3
			25%	1	-0.244516	1.7166084	3
			50%	1	0.0196813	2.5506065	3
			75%	1	0.2933608	3.2210488	9
			max	3	8.4462885	18.455862	9
		IV	count	16529	16529	16529	16712
			mean	1.0157299	0.0140573	2.0206889	5.7447343
			std	0.1475662	0.6859085	2.1233273	2.4880666
			min	1	-9.634748	-19.09482	3
			25%	1	-0.254246	1.2622359	3
			50%	1	0.0161046	2.1906796	8
			75%	1	0.2908541	2.9494154	8
			max	3	12.442389	19.125719	8
		V	count	17712	17712	17712	17862
			mean	1.0038392	0.0270899	2.3332724	6.0796103
			std	0.0750431	0.7050973	1.5595181	2.9990275
			min	1	-9.167213	-18.90117	3
			25%	1	-0.263504	1.6923999	3
			50%	1	0.0161306	2.4563377	9
			75%	1	0.3171602	3.1679911	9
			max	3	10.057255	19.148132	9
	C	II	count	17103	17103	17103	17242
			mean	1.0045021	0.0065256	2.323057	5.945366
			std	0.0839936	0.6445926	1.3575075	2.9995895
			min	1	-16.31957	-19.11377	3
			25%	1	-0.280535	1.6989339	3
			50%	1	0.0089064	2.4012423	3
			75%	1	0.3029937	3.0416586	9
			max	3	14.245449	18.812444	9
		IV	count	17862	17862	17862	17999
			mean	1.0017915	0.0034906	2.1829252	5.9418301
			std	0.0484591	0.6337384	1.2835977	2.9995193
			min	1	-15.01425	-18.91889	3
			25%	1	-0.291864	1.6323784	3
			50%	1	0.006531	2.2536394	3
			75%	1	0.2930308	2.8180978	9
			max	3	14.635695	17.207656	9
		V	count	18865	18865	18865	18980
			mean	1.0036576	0.0097432	2.0724412	5.7923077
			std	0.0723513	0.634418	1.2981239	2.9928809
			min	1	-12.74509	-15.98018	3
			25%	1	-0.266999	1.474248	3
			50%	1	0.0073459	2.0969547	3

G	II	75%	1	0.2874986	2.7675272	9
		max	3	16.740085	18.55028	9
		count	14780	14780	14780	14889
		mean	1.0006766	0.0536325	2.4176614	6.988515
		std	0.0307706	0.7365617	1.6870201	3.0000788
		min	1	-8.243579	-19.19329	4
		25%	1	-0.279474	1.2219766	4
		50%	1	0.0412558	2.7163171	4
		75%	1	0.382989	3.597574	10
		max	3	8.7932614	13.873864	10
	IV	count	18334	18334	18334	18460
		mean	1.0038726	0.0214223	2.029891	6.4664139
		std	0.0733832	0.6389926	1.3094383	2.4998421
		min	1	-12.64811	-19.15792	4
		25%	1	-0.28899	1.4871967	4
		50%	1	0.0168056	2.0604268	4
		75%	1	0.3288439	2.6832448	9
		max	3	17.712803	17.900106	9
	V	count	17178	17178	17178	17279
		mean	1.0025614	0.0304701	2.432146	7.0484403
		std	0.0628667	0.6388929	1.5171834	2.9996957
		min	1	-5.996337	-18.99729	4
		25%	1	-0.283926	1.5975247	4
		50%	1	0.0188785	2.6395719	10
		75%	1	0.347338	3.3958102	10
		max	3	7.9025652	18.850225	10
I	II	count	17434	17434	17434	17551
		mean	1.0021796	0.0415361	2.0968377	7.0193151
		std	0.0566352	0.6275257	1.2966439	3.0000233
		min	1	-9.197556	-19.15845	4
		25%	1	-0.249303	1.4520291	4
		50%	1	0.0299203	2.1585866	10
		75%	1	0.3281842	2.8149849	10
		max	3	10.559522	18.851969	10
	IV	count	17109	17109	17109	17243
		mean	1.0026886	0.0360126	2.3871429	6.9980862
		std	0.05916	0.6675268	1.2584522	3.0000864
		min	1	-9.506064	-18.35956	4
		25%	1	-0.289385	1.8666919	4
		50%	1	0.0341187	2.4944197	4
		75%	1	0.3614662	3.0674423	10
		max	3	8.0103481	18.093757	10
	V	count	17115	17115	17115	17233
		mean	1.002454	0.064018	2.5493123	6.9991296
		std	0.0561185	0.7153183	1.5246243	3.0000869
		min	1	-10.10814	-17.43304	4
		25%	1	-0.266159	1.8627498	4
		50%	1	0.0544343	2.6821266	4

19	B	II	75%	1	0.3841362	3.4090676	10
			max	3	11.897736	17.201367	10
			count	16735	16735	16735	16869
			mean	1.0020317	0.0271415	2.224249	7.9393562
			std	0.0557074	0.6019456	1.5159873	2.9994759
			min	1	-6.74352	-18.45295	5
			25%	1	-0.223605	1.2515415	5
			50%	1	0.0232522	2.424937	5
			75%	1	0.2867361	3.2372819	11
			max	3	6.5927996	18.130439	11
		IV	count	14869	14869	14869	15016
			mean	1.0083395	0.0464347	2.2813446	7.3618141
			std	0.107233	0.7007426	1.6872349	2.4962611
			min	1	-8.193607	-18.91682	5
			25%	1	-0.235723	1.7037904	5
			50%	1	0.0348333	2.4094186	5
			75%	1	0.3284026	3.0020036	10
			max	3	10.155753	18.581894	10
		V	count	16943	16943	16943	17062
			mean	1.0024199	0.0106758	2.467311	7.9525261
			std	0.060932	0.6747702	1.5451207	2.9997123
			min	1	-8.485657	-17.9473	5
			25%	1	-0.26864	1.7252329	5
			50%	1	0.0247057	2.7054612	5
			75%	1	0.309333	3.3539056	11
			max	3	9.7793083	19.033529	11
	C	II	count	14030	14030	14030	14164
			mean	1.0034925	0.028604	2.287427	8.2312906
			std	0.0720507	0.6812917	1.5195635	2.9911764
			min	1	-8.614826	-16.45173	5
			25%	1	-0.284468	1.7895493	5
			50%	1	0.0151022	2.5666769	11
			75%	1	0.3330755	3.0634464	11
			max	3	11.007855	19.15609	11
		IV	count	16564	16564	16564	16686
			mean	1.0027771	0.024867	2.1221549	7.8464581
			std	0.0649506	0.560173	1.2121222	2.996158
			min	1	-11.66993	-19.01578	5
			25%	1	-0.217292	1.5756482	5
			50%	1	0.0195156	2.2059969	5
			75%	1	0.263449	2.8162919	11
			max	3	8.5447565	16.265813	11
		V	count	16553	16553	16553	16695
			mean	1.01027	0.025335	2.42673	8.1575921
			std	0.1249103	0.7050916	1.8707899	2.9959477
			min	1	-14.48694	-18.8341	5
			25%	1	-0.242302	1.9442141	5
			50%	1	0.0171189	2.7574561	11

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				75%
				max

1	0.3407563	3.124488	12
3	12.7348	18.027281	12

Rack_rep	Time	Track_ID	rack_xmea	Type_rep	Unnamed: 0	Unnamed: 0	Velo_inst
13108	13108	13108	13108	13108	13108	13108	13008
2.2677754	204.69034	2450.7859	1.4371376	2.6523497	239975.55	4137.9782	16.402745
0.8340666	115.99233	905.64039	0.8265822	1.1091619	87854.86	1803.8647	22.818155
1	2	1384	1	1	135742	553	-273.5835
2	109	1540	1	1	151155.75	3147.75	2.6171451
3	206	3204	1	3	314785.5	4329	13.947403
3	296	3375	1	3	331676.25	5184.25	27.054882
3	470	3497	3	4	334953	7950	266.03237
20556	20556	20556	20556	20556	20556	20556	20371
2.0961763	200.29767	2904.0322	0.8602355	2.5516637	288180.71	1450.1141	20.39464
0.8606893	111.97309	1440.7946	1.2408254	0.9803254	152926.68	1032.8163	28.713325
1	2	1377	0	1	132236	0	-282.8393
1	107	1537	0	2	148599.75	573	2.4536232
2	198	3298.5	0	3	319101.5	1225	17.938771
3	291	3428	2	3	329934.25	2230	36.221136
3	470	5594	3	4	564987	4239	281.56241
20608	20608	20608	20608	20608	20608	20608	20398
1.9344915	193.82783	3275.7119	2.853455	2.4521545	334167.75	5733.476	22.974796
0.819213	110.5147	1668.805	0.989228	0.8580761	177739.83	2463.1684	33.806412
1	2	1380	2	1	137597	1170	-280.3205
1	100	1564	2	2	154073.75	3544.75	5.5144595
2	193	3316	2	3	321038.5	5825.5	22.395932
3	281	5291	4	3	561884.25	7527.25	41.005083
3	470	5606	4	4	568677	11091	277.4934
21928	21928	21928	21928	21928	21928	21928	21710
2.1947282	204.45928	3068.8734	1.9275812	2.769336	308745.17	7535.2395	18.787865
0.7970653	115.09157	1406.5974	1.6815498	1.0620658	141518.71	6375.13	29.121012
1	2	1379	0	1	140683	0	-281.6619
2	106	1573	0	2	157216.75	1048.75	6.0141787
2	205	3409	3	3	345156.5	8776.5	18.609728
3	300	3730	3	4	364153.25	10626	30.929799
3	470	5809	4	4	590568	19889	275.38099
10372	10372	10372	10372	10372	10372	10372	10266
2.4112997	208.65908	3507.1573	4.1072117	2.5059776	349253.31	8062.6865	18.259457
0.7572741	118.82281	543.98366	0.9942841	1.4475242	63362.054	4938.1938	32.790355
1	2	3202	3	1	317520	2201	-281.2225
2	107	3309	3	1	322455.75	3481.75	5.7884007
3	210	3368	5	2	338341.5	5106.5	19.141657
3	302	3405	5	4	340934.25	13128.25	30.420639
3	470	5605	5	4	569009	15721	276.80324
12007	12007	12007	12007	12007	12007	12007	11920
2.1998834	199.92513	4026.5634	2.2157908	2.4052636	412392.76	6158.6876	15.978374
0.7758151	108.06309	2041.2307	1.4728903	0.4909634	207617.92	4807.3396	18.734039
1	2	1376	1	2	143591	256	-265.8745
2	110	1600	1	2	173034.5	1992	4.4737017
2	201	5650	1	2	571177	3311	15.069792

3	291.5	5729	4	3	586350.5	11663	26.38837
3	399	5801	4	3	593570	13262	270.35603
20829	20829	20829	20829	20829	20829	20829	20690
2.0579961	182.18215	3956.5438	1.1737001	2.1086946	405611.93	4026.3505	14.31849
0.7802519	104.76584	1692.0607	1.4641145	0.7726453	176074.58	3677.8805	22.298224
1	2	1763	0	1	177824	0	-279.22
1	92	1834	0	1	187358	886	4.3599859
2	181	4321	0	2	442378	2254	14.387903
3	267	5680	3	3	586999	8117	23.51196
3	399	5799	3	3	600573	11180	282.01175
16838	16838	16838	16838	16838	16838	16838	16715
2.1575603	192.26333	3806.547	3.3715406	2.444946	393561.47	9232.6335	12.833172
0.7824086	110.95242	2065.4881	1.4945336	0.5091352	210525.71	4623.6555	28.835027
1	2	1375	2	1	144865	2409	-282.5652
2	97	1538	2	2	161175.25	4991	5.6822924
2	193	5617	2	2	572139.5	7272.5	12.280096
3	285	5701	5	3	585128.75	13826.75	19.734514
3	399	5796	5	3	597231	19992	281.26381
20477	20477	20477	20477	20477	20477	20477	20359
2.0650486	173.0712	3757.0801	1.6961957	1.9231821	385313.16	4829.7835	16.658536
0.8242561	101.63701	1486.4965	1.2664821	0.8729668	153905.55	3096.6855	18.179532
1	2	1766	1	1	181198	777	-279.2887
1	85	1915	1	1	196719	2841	6.0124726
2	170	4243	1	2	432400	3891	14.499341
3	256	4372	1	3	447210	5229	24.648899
3	399	5786	4	3	602152	12624	255.21899
15257	15257	15257	15257	15257	15257	15257	15139
2.0088484	162.30012	3889.2664	2.4647703	1.7153438	402277.23	6650.0344	15.396386
0.8357431	99.280679	1381.1036	1.1486099	0.8605867	142315.77	3135.6853	27.025301
1	2	1764	0	1	183818	0	-274.8868
1	75	1945	3	1	201038	5966	1.9385323
2	157	4241	3	1	437732	7630	13.888586
3	244	4345	3	3	451379	8943	28.622889
3	399	5948	3	3	614502	10424	280.99966
11868	11868	11868	11868	11868	11868	11868	11780
1.8446242	162.68992	3922.8796	2.3114257	1.4892147	401752	6060.0669	15.024698
0.8664747	96.229312	1092.4408	0.9150747	0.7970843	112041.52	1448.4834	22.507225
1	2	1775	2	1	183119	3460	-274.5303
1	76.75	4102	2	1	419290.75	5136	2.1599016
2	162	4206	2	1	422257.5	5874	12.895585
3	242	4341	2	2	448067.25	6823	27.076732
3	395	5766	5	3	602398	12628	282.98881
20574	20574	20574	20574	20574	20574	20574	20428
1.9430349	170.46214	3809.7064	2.372266	2.703169	388825.5	6250.3304	15.028778
0.8026846	103.27073	1094.4239	1.4945878	1.2820386	114169.39	3852.0339	23.210266
1	2	1785	1	1	185184	577	-265.621
1	80	3554	1	1	350152.25	2959	2.0669029
2	165	3756	1	3	379907.5	4810.5	13.837551

3	254	4230	4	4	440337.75	10538.75	27.318408
3	399	5941	4	4	615673	13459	282.85737
7805	7805	7805	7805	7805	7805	7805	7637
1.6311339	189.554	4420.615	1.0105061	1.7755285	454431.34	1399.1115	9.0915514
0.7685044	94.253451	1369.6	1.4179751	0.782851	146459.56	1112.697	50.734589
1	2	1999	0	1	202786	0	-279.9504
1	116	4399	0	1	454200	408	-0.417783
1	196	4463	0	2	459256	1029	7.1280546
2	262	5822	3	2	605378	2515	20.240505
3	399	5947	3	3	616758	3543	281.10142
3887	3887	3887	3887	3887	3887	3887	3797
1.5721636	137.02856	4217.2071	4.1494726	1.6622074	438333.42	9236.2328	2.0864006
0.7322278	112.86564	1340.4237	1.352278	0.7762358	138099.79	5136.6427	52.861494
1	2	1762	2	1	185509	1217	-283.0294
1	34	4109	2	1	428846.5	2177.5	-4.669611
1	101	4161	5	1	429818	11703	5.7007756
2	236	5820	5	2	604093.5	13963.5	16.793531
3	399	5939	5	3	615679	14935	275.8757
13484	13484	13484	13484	13484	13484	13484	13386
1.9837585	165.31912	4358.9952	1.9072975	1.7620884	449871.34	2530.2827	12.022757
0.8333444	94.102531	1362.5313	1.3779857	0.8006329	145652.78	1319.3939	23.225819
1	2	1988	1	1	203751	131	-270.5995
1	86	4394	1	1	456406.75	1468	2.2610742
2	163	4446	1	2	462626.5	2450	11.083243
3	240	5824	4	2	606543.25	3619	20.825162
3	399	5946	4	3	618462	5247	283.51256
12605	12605	12605	12605	12605	12605	12605	12463
1.9575565	185.84601	1668.695	1.3337564	2.3781039	165017.45	2285.2866	15.304137
0.789605	95.998777	1364.3944	1.1114107	0.6827868	143655.26	1592.2593	26.242353
1	2	4	0	1	0	0	-268.7355
1	107	244	0	2	11841	1017	5.4356594
2	188	2056	2	2	207004	1902	17.002227
3	268	2215	2	3	217657	3751	24.427093
3	360	4582	3	3	470032	5974	283.23161
6792	6792	6792	6792	6792	6792	6792	6740
1.8340695	174.91225	5098.8922	3.3414311	1.4471437	529702.56	4484.5991	7.8524614
0.7834239	98.642671	677.74223	1.4917049	0.497235	72044.218	1331.857	30.583923
1	2	4396	2	1	457550	2139	-279.055
1	93	4458	2	1	464390.75	3350	0.5655539
2	172	4575	2	1	468956.5	4394.5	7.6614087
2	250	5835	5	2	608675.25	5503.25	16.784685
3	399	5919	5	2	618485	7088	278.12809
13068	13068	13068	13068	13068	13068	13068	12933
1.8598102	182.83869	1183.8965	2.0114784	2.5057392	116830.65	4249.2116	19.673219
0.7980985	102.93188	959.66402	0.9999724	0.4999862	100273.73	2075.3903	24.88541
1	2	0	1	2	1202	1202	-280.5549
1	90	200	1	2	13855.75	2709	9.8840459
2	185	1991	3	3	208328.5	3669	21.252643

3	276	2131	3	3	211595.25	5738.25	30.003192
3	360	2296	3	3	225900	9005	282.83584
267	267	267	267	267	267	267	248
1.505618	32.520599	4439.5206	5	1	462317.81	5623.7154	-0.704662
0.6092692	53.171047	43.935985	0	0	3719.5754	533.48684	99.766679
1	2	4407	5	1	459092	5131	-261.3255
1	11	4412	5	1	459158.5	5188	-70.1937
1	20	4418	5	1	459225	5248	-3.450826
2	32.5	4449	5	1	465534.5	6278.5	59.518785
3	297	4589	5	1	470780	6345	268.48921
16174	16174	16174	16174	16174	16174	16174	16030
1.9424385	183.81458	1472.1625	3.0650427	2.3382589	149230.69	6417.8798	16.224249
0.7737025	99.841418	1348.5552	0.9979133	0.6466282	140832.84	2412.9692	22.600204
1	2	11	2	1	2870	2870	-272.5587
1	97	216	2	2	17586.25	4623	6.2160732
2	187	1990	4	2	212317.5	5656	16.691404
3	272	2180	4	3	220765.75	8110.75	25.440566
3	360	4579	4	3	470764	12049	280.8802
17328	17328	17328	17328	17328	17328	17328	17152
2.1423707	187.44737	1546.3871	1.5862188	2.2182595	153394.01	4923.7506	19.922283
0.7522027	106.4239	1567.0255	1.4975633	0.6508822	158084.04	4058.4094	28.154738
1	2	1	0	1	4588	0	-280.1756
2	94	191	0	2	20813.75	1053	6.0508173
2	193	445	3	2	37421.5	5085.5	23.823313
3	279	2450	3	3	243075.25	7556.25	34.213038
3	390	4810	3	3	488447	12981	277.38648
3224	3224	3224	3224	3224	3224	3224	3195
1.5868486	120.27823	4657.6756	1.9919355	1.016129	476958.51	2632.7512	9.3275903
0.7681373	87.260885	207.14891	0.0894537	0.1789074	21761.768	915.51878	25.553792
1	2	2529	1	1	245216	1301	-271.0006
1	43	4602	2	1	473914.75	1729	0.2117632
1	103	4636	2	1	474720.5	2659.5	9.8065078
2	191.25	4745	2	1	483217.25	3439.25	24.150532
3	360	4804	2	3	489821	4245	227.61894
5808	5808	5808	5808	5808	5808	5808	5734
1.9993113	197.93337	2417.6844	2.5459711	1.5153237	245857.64	7196.6965	6.0196909
0.6808656	106.88521	2227.0323	1.4994245	0.4998082	227362.22	6059.6631	41.795245
1	2	25	1	1	7109	508	-282.5024
2	102	228	1	1	24159.75	1214	-0.897642
2	223	462	4	2	38334.5	7197.5	6.522423
2	288	4751	4	2	482105.25	13852.25	15.353769
3	360	4808	4	2	489287	15304	281.18842
9969	9969	9969	9969	9969	9969	9969	9849
2.0030093	203.27606	222.55843	5	2	25809.014	13200.683	18.243426
0.7266917	104.07395	148.94114	0	0	11493.36	4374.6505	41.629796
1	2	2	5	2	7275	7275	-276.1705
1	113	95	5	2	9767	9144	12.425649
2	224	194	5	2	27564	10889	23.220665

3	295	388	5	2	38578	17517	29.964265
3	360	468	5	2	41070	20009	281.97165
28833	28833	28833	28833	28833	28833	28833	28600
1.9660112	172.34447	2826.67	2.6581001	2.7061006	285545.45	7215.7478	21.525256
0.7743614	104.56923	1502.565	1.0692833	1.1430904	155904.15	2887.8564	19.913295
1	2	474	1	1	43533	328	-279.7585
1	81	810	1	2	77095	4654	15.397266
2	166	3534	3	3	356413	7371	23.091551
3	258	3774	3	4	386041	9668	30.134623
3	390	4809	4	4	493810	12834	282.26364
34238	34238	34238	34238	34238	34238	34238	33959
2.0371809	171.38516	3041.5069	1.999854	2.7117822	306602.59	4619.0268	19.729674
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1	2	479	0	1	41071	0	-280.9179
1	80	2340	2	2	231787.25	2563	12.886696
2	166	3639	2	3	367510.5	4900	22.010495
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3	390	4802	5	4	492212	9166	280.19446
24822	24822	24822	24822	24822	24822	24822	24620
2.1331077	177.99299	2457.5336	3.4093949	2.7292724	250014.11	9386.2508	17.826576
0.7912593	105.69275	1495.2221	1.0860731	1.0278878	154946.34	3028.2787	24.217278
1	2	477	2	1	46189	512	-283.2116
1	87	757	2	2	77680.25	6595.25	8.4755021
2	171	2459	4	3	251333.5	9022	18.201922
3	267	3712	4	4	376328.75	12315	28.103848
3	390	4801	5	4	495123	14959	276.15845
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2.0590776	193.38395	3062.4947	1.2272621	2.4078225	316062.04	4963.3529	23.254035
0.7844267	110.87239	1592.842	1.6070038	1.0839954	167247.65	4489.6829	17.457199
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1	98	2547	0	1	255837.75	1582	15.366523
2	191	2876	1	2	287076.5	3292	24.5405
3	286	4837	1	3	499068.25	6041	32.578411
3	419	5025	4	4	537102	15591	272.89121
23036	23036	23036	23036	23036	23036	23036	22855
2.0711061	195.28512	2773.7236	2.3391214	1.8791891	287950.25	7076.4301	17.400135
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1	100	737	0	1	69632.75	1867.75	9.4211595
2	194	2429	3	2	253231.5	8664	17.845309
3	289	4893	5	3	513777.25	11425	26.409813
3	419	5029	5	4	533884	14982	283.08819
21549	21549	21549	21549	21549	21549	21549	21418
2.0193048	190.90988	3492.6687	2.452318	2.2306372	366086.98	7995.8821	20.427345
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1	2	472	1	1	54717	652	-267.3881
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3	284	4909	5	4	520791	11394	29.271299
3	419	5008	5	4	539987	16360	249.45552
27697	27697	27697	27697	27697	27697	27697	27489
1.9879409	200.21706	3112.6503	2.7917103	2.0217352	325206.03	8671.3682	24.505974
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1	2	847	1	1	89552	2129	-283.5074
1	102	1278	1	1	121617	4485	13.556479
2	201	2807	3	2	291907	8000	25.016258
3	297	4884	4	3	510267	12971	35.737554
3	419	5033	4	4	545841	16095	280.33614
30122	30122	30122	30122	30122	30122	30122	29883
2.0166988	193.33464	3143.3558	1.7858708	2.3698294	324086.75	5691.6469	23.849592
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2	192	2849	2	2	289702.5	5334.5	25.685166
3	285	4832	3	3	504973.75	9291.75	35.036539
3	419	5022	3	4	542308	12715	279.40256
28308	28308	28308	28308	28308	28308	28308	28076
1.8921506	195.12827	2754.438	3.5526706	2.2412392	287628.8	10519.911	23.920236
0.8380277	110.57222	1458.3747	1.1876365	0.8850165	159535.74	3989.8413	26.32829
1	2	862	2	1	92672	4412	-279.6151
1	101	1246	2	2	122877.75	7048.75	10.134762
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3	419	5032	5	4	547717	18594	277.42737
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14829	14829	14829	14829	14829	14829	14829	14677
1.8610156	188.53004	2021.1606	3.3356936	2.2198395	210380.52	10014.89	20.060991
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17080	17080	17080
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3	293	3727
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3	294	3723
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2	205	1331
3	304	1444
3	405	1566
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1.8144624	193.95799	2476.3919
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2	3	550795.25	5669.25	29.275695
5	3	557474	16267	281.10621
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	0.4997793	151715.36	889.02552	25.151531
	1	758812	2386	-254.5163
	1	778736.75	3485	8.9584377
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15590	15590	15590
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3	282	4315
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1.9804583	195.57849	3029.4824
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1	814269	1946	-283.8193
1	831279.25	3922	28.361984
2	1110571.5	5311	46.423157
2	1129050.8	6866.75	58.637597
2	1147730	9372	270.92908
0	16887	16887	16887
1.491147	982953.09	11112.53	35.246153
0.4999364	148991.96	1893.8129	25.658995
1	819856	7815	-287.5545
1	836088.5	9638	20.376607
1	854915	10753	38.793977
2	1134467.5	12557	51.68367
2	1153107	15531	283.19339
0	17057	17057	17057
1.5070645	985403.3	8245.259	34.896714
0.4999647	149048.42	1835.8922	28.014394
1	817104	4934	-282.1186
1	833795	6769	19.026734
2	1113592	8028	38.441846
2	1131925	9644	51.877673
2	1150490	12480	276.96647
0	15285	15285	15285
1.5651292	1008708.5	13602.963	34.884668
0.4957563	148460.57	1761.0955	29.630287
1	822820	10849	-278.889
1	839096	12269	17.253042
2	1120382	13271	38.432714

3	284	4372
3	410	4668
15735	15735	15735
2.0071179	190.26654	3490.3625
0.8318377	108.42	1312.0731
1	2	2047
1	98	2256
2	188	2446
3	279	4845
3	404	5072
16712	16712	16712
1.9623025	201.55697	3380.2691
0.8102276	112.19306	1053.293
1	2	2046
1	106	2251
2	201	4039
3	300	4351
3	404	4660
17862	17862	17862
2.0305677	197.26044	3586.9496
0.8118885	111.37486	1305.1924
1	2	2053
1	101	2264
2	197	4672
3	293	4836
3	404	5074
17242	17242	17242
2.0056258	191.55086	3518.8989
0.8111676	108.94067	1314.1144
1	2	2044
1	99	2214
2	192	2444
3	283	4847
3	404	5069
17999	17999	17999
2.026557	193.12301	3520.3774
0.8088611	109.72367	1308.2399
1	2	2045
1	99	2213
2	192	2458
3	286	4846
3	404	5071
18980	18980	18980
2.0527924	194.71075	3455.3259
0.8205018	110.51294	1303.9754
1	2	2043
1	99	2235
2	195	2396

2	1138267	14542	53.814419
2	1156118	17920	279.37465
0	15735	15735	15579
1.4773435	1021466.5	2646.7316	35.93327
0.4995023	150459.73	1560.1186	23.806749
1	860326	0	-269.0791
1	878868.5	1311	25.749126
1	896810	2613	38.259097
2	1176645.5	3942	48.315732
2	1195914	5768	276.83792
0	16712	16712	16529
1.5489469	1020739.1	9040.9783	30.310334
0.4976133	133531.11	7082.7618	31.84991
1	857454	0	-286.4223
1	876435.75	1392	18.933538
2	1122826.5	14147	32.860194
2	1141133.3	15540	44.241231
2	1159336	17242	286.88578
0	17862	17862	17712
1.5132684	1035352.2	5336.8666	34.999085
0.4998379	150244.41	1645.4693	23.392772
1	863223	2114	-283.5175
1	882079.25	3992	25.385998
2	1162064.5	5279	36.845065
2	1179704.8	6663	47.519867
2	1199147	8719	287.22199
0	17242	17242	17103
1.4908943	1034190.4	11322.09	34.845855
0.4999316	149808.88	1679.8362	20.362613
1	869134	7857	-286.7066
1	887855.25	9938	25.484009
1	905985.5	11372.5	36.018635
2	1185505.8	12698.75	45.624878
2	1204960	14577	282.18665
0	17999	17999	17862
1.490305	1031430.3	8383.0598	32.743879
0.4999199	149863.89	1640.0807	19.253965
1	866174	5162	-283.7834
1	884912.5	7059	24.485676
1	903071	8389	33.804591
2	1182567.5	9709.5	42.271467
2	1202136	11679	258.11484
0	18980	18980	18865
1.4653846	1030428.2	14410.54	31.086618
0.4988135	148853.58	1815.1877	19.471858
1	872032	10583	-239.7026
1	891072.75	12904	22.113719
1	909351.5	14496	31.45432

3	289	4830
3	404	5056
14889	14889	14889
1.9864329	190.82665	1406.2198
0.7962525	106.09781	1222.9571
1	2	15
1	101	170
2	189	2481
3	279	2604
3	398	2796
18460	18460	18460
2.0251354	192.67053	3725.0146
0.8123171	109.15916	1118.5034
1	2	2477
1	98	2627
2	194	2786
3	286	4841
3	393	5061
17279	17279	17279
1.9681695	179.12541	1368.1662
0.8261446	102.92346	1238.7921
1	2	1
1	92	156
2	177	368
3	262	2616
3	398	2804
17551	17551	17551
1.9408011	190.2605	1385.6274
0.8095404	106.51228	1241.9977
1	2	4
1	99	153
2	190	380
3	279	2628
3	398	2799
17243	17243	17243
1.9825436	190.73717	1404.0822
0.805954	107.87568	1231.2253
1	2	0
1	98	161
2	191	2476
3	280	2615
3	398	2802
17233	17233	17233
2.0076597	180.70713	1400.3175
0.8214916	104.53965	1225.902
1	2	3
1	91	181
2	179	2472

2	1188264.3	15936	41.512908
2	1208010	17675	278.25419
0	14889	14889	14889
1.4980858	784502.57	2830.9727	36.264921
0.5000131	146663.26	1731.3654	25.305302
1	618486	0	-287.8993
1	636834	1240	18.329648
1	913077	3068	40.744756
2	931541	4368	53.96361
2	949938	5914	208.10797
0	18460	18460	18460
1.4932828	1059036.6	8596.4105	30.448364
0.4999684	132507.36	7206.5473	19.641574
1	910009	0	-287.3688
1	929021.75	1538	22.30795
1	947719.5	3094.5	30.906402
2	1191626.3	15763.25	40.248673
2	1211243	18234	268.50159
0	17279	17279	17279
1.5080734	783925.55	5442.7328	36.482191
0.4999493	148710.39	1793.0261	22.757751
1	620433	1947	-284.9593
1	639001.5	3911.5	23.962871
2	657691	5326	39.593579
2	934489.5	7002	50.937153
2	952768	8773	282.75338
0	17551	17551	17551
1.5032192	790700.83	11273.543	31.452566
0.5000039	149207.16	1761.3963	19.449659
1	626633	7931	-287.3768
1	644747.5	9732.5	21.780437
2	662738	11387	32.378799
2	940348.5	12761	42.224773
2	958518	14516	282.77954
0	17243	17243	17243
1.499681	789531.97	8366.7708	35.807143
0.5000144	148427.93	1752.8204	18.876782
1	623754	5268	-275.3934
1	642092.5	6835	28.000378
1	918788	8379	37.416295
2	937421.5	9880.5	46.011635
2	955614	11647	271.40636
0	17233	17233	17233
1.4998549	795693.34	14142.737	38.239685
0.5000145	147783.35	1804.1234	22.869364
1	630065	10289	-261.4956
1	648314	12650	27.941247
1	924528	14213	40.231899

3	265	2624
3	398	2795
16869	16869	16869
1.9733831	187.7151	1800.0475
0.798202	107.80098	1221.5375
1	2	393
1	95	555
2	185	2812
3	277	2988
3	412	3210
15016	15016	15016
1.9756926	194.36008	1664.9957
0.7889567	107.81576	1407.4643
1	2	20
1	103	184
2	194	2814
3	286	2989
3	398	3213
17062	17062	17062
1.9703435	190.74933	1794.063
0.8037991	106.01368	1225.6438
1	2	389
1	101	552
2	189	2816
3	276	2997
3	412	3211
14164	14164	14164
1.9983056	189.8283	1687.3948
0.7947597	107.88548	1216.3344
1	2	396
1	97	547
2	189	707
3	278	2996
3	412	3202
16686	16686	16686
2.0035958	190.58996	1842.107
0.7995273	107.89943	1219.4117
1	2	387
1	98	559
2	190	2823
3	280	2987
3	412	3208
16695	16695	16695
1.9797544	191.23869	1711.9979
0.8022057	107.8581	1219.529
1	2	388
1	99	557
2	191	715

2	943222	15661	51.136014
2	961300	17437	258.0205
0	16869	16869	16869
1.4898927	836300.68	2762.3537	33.363735
0.4999126	148888.1	1577.5403	22.739809
1	667836	0	-276.7943
1	684890	1405	18.773123
1	964165	2797	36.374055
2	981783	4103	48.559228
2	999263	5692	271.95659
0	15016	15016	15016
1.4723628	823460.3	7959.6033	34.220168
0.4992522	164495.38	7070.3437	25.308523
1	632893	0	-283.7523
1	651108.75	1251	25.556856
1	961715.5	2502	36.141279
2	978999.25	15198	45.030054
2	996480	17446	278.72841
0	17062	17062	17062
1.4920877	838444.87	5600.1973	37.009665
0.499952	148876.4	1638.2677	23.17681
1	670635	2372	-269.2096
1	687999.25	4176	25.878493
1	966934.5	5729	40.581918
2	984676.75	6975.75	50.308584
2	1002126	8554	285.50294
0	14164	14164	14164
1.5385484	830580.91	10888.132	34.311405
0.4985294	148101.02	1751.2078	22.793453
1	675832	7264	-246.776
1	694009.75	9372	26.843239
2	711381.5	11403	38.500153
2	989867.25	12319	45.951697
2	1007142	13741	287.34136
0	16686	16686	16686
1.4744097	847066.01	8474.9119	31.832323
0.4993597	148228.73	1750.5669	18.181833
1	673466	4775	-285.2366
1	691532.25	6943.25	23.634723
1	970167.5	8734	33.089954
2	987740.75	9930	42.244379
2	1005000	11513	243.98719
0	16695	16695	16695
1.5262653	836496.39	13502.668	36.40095
0.4993246	148299.54	1774.4259	28.061848
1	678151	9583	-282.5115
1	697088.5	12035.5	29.163212
2	714128	13912	41.361842

3	281	2984
3	412	3205
15828	15828	15828
1.941812	180.72504	2177.1434
0.8027646	105.37771	1223.5052
1	2	774
1	90	908
2	178	3219
3	268	3344
3	397	3540
16471	16471	16471
2.0092891	181.51806	1974.9371
0.79087	105.99269	1405.2084
1	2	385
1	90	530
2	179	3215
3	269	3359
3	412	3534
16812	16812	16812
2.0104687	185.99679	2132.6581
0.8063367	106.85739	1221.3579
1	2	771
1	94	905
2	184	1125
3	275	3356
3	397	3538
15366	15366	15366
1.9816478	186.34661	2183.109
0.8093508	105.46545	1223.8568
1	2	777
1	95	925
2	186	3222
3	274	3353
3	397	3531
16168	16168	16168
1.9476744	187.76058	2181.3136
0.8054268	106.92425	1221.3827
1	2	768
1	96	936
2	187	3224
3	278	3360
3	397	3541
16559	16559	16559
1.9971617	192.12543	2179.52
0.8018755	106.32603	1216.8644
1	2	769
1	102	940
2	193	3228

2	992320.5	14956	49.680135
2	1009709	16402	285.99842
0	15828	15828	15828
1.4829416	885427.01	2773.3321	41.420384
0.4997247	149953.91	1631.6796	21.339885
1	716961	0	-285.3556
1	732206.75	1318.75	35.166647
1	1012596.5	2887.5	44.086727
2	1029739.3	4187	53.166385
2	1047951	5838	274.26611
0	16471	16471	16471
1.4938984	865602.25	8238.8444	37.090696
0.4999779	164564.35	7076.6828	23.029967
1	681014	0	-287.7968
1	700721.5	1372	31.742925
1	1009810	2809	40.080595
2	1026869.5	14800.5	47.555025
2	1045362	18872	283.79222
0	16812	16812	16812
1.5042827	882812.08	5427.3181	38.331136
0.4999965	149712.21	1713.9874	16.945342
1	719907	2077	-282.8951
1	735215.75	3948.75	32.561907
2	749815.5	5490	39.937792
2	1032664.3	6883	47.158636
2	1050814	8735	286.22763
0	15366	15366	15366
1.4844462	893794.52	10929.133	30.647481
0.4997743	150504.39	1839.4775	24.199758
1	725666	6822	-286.8154
1	740734.25	9495.25	17.44742
1	1020514.5	11118	34.043732
2	1038451.8	12417	45.062657
2	1056498	14129	278.39882
0	16168	16168	16168
1.4854651	890288.81	8268.4261	36.821901
0.4998041	150120.21	1721.9916	22.247878
1	722711	4768	-265.9098
1	737886.75	6721	27.095157
1	1017776.5	8375	40.448546
2	1035547.3	9710	48.872812
2	1053603	11531	274.26323
0	16559	16559	16559
1.4861405	896095.75	13565.374	35.141378
0.499823	149934.03	2060.7275	24.834446
1	728413	8821	-285.4937
1	743694.5	12124	28.574404
1	1022934	13794	39.182468

3	283	3362	2	1041203.5	15154	46.867319
3	397	3537	2	1059313	17259	270.40921

Velo_mean_cm_sec	median_cn	x	x_cm	y	y_cm
13108	13108	13108	13108	13108	13108
16.40654713	15.979274	13.146822	466.19936	23.875242	846.63977
12.17614779	13.990797	3.0094542	106.71824	6.5659618	232.83552
-67.43704935	-105.3315	8.5558709	303.39968	4.2918099	152.19184
9.185865389	7.7720766	10.829611	384.02874	20.408496	723.70553
14.40878525	13.995553	12.252172	434.4742	26.137422	926.85894
22.47316653	22.969081	13.729719	486.86948	28.910435	1025.1927
122.957294	125.83376	20.765261	736.35677	31.273675	1108.9956
20556	20556	20556	20556	20556	20556
20.39117791	19.836496	10.541558	373.81412	24.03618	852.34679
14.71948064	17.342365	5.344231	189.51174	6.6717509	236.58691
-160.0586467	-168.3876	4.7287448	167.68599	1.6269207	57.692223
11.68841857	5.656993	6.5408627	231.94549	19.802257	702.20768
19.50252236	18.231374	8.4878395	300.98722	26.167697	927.93251
27.83056653	30.742494	13.225316	468.98283	29.668095	1052.0601
178.5183635	214.58576	24.355645	863.67537	41.863975	1484.5381
20608	20608	20608	20608	20608	20608
22.95788622	24.076311	20.099805	712.75905	22.113069	784.1514
17.01126072	19.536341	5.2217864	185.16973	7.1738757	254.39276
-136.3910778	-201.6659	12.965452	459.76778	1.9833849	70.332798
12.7321755	11.162332	15.364607	544.84421	16.868241	598.16458
23.48494367	25.235486	17.599451	624.09399	23.427637	830.76727
34.44369902	38.056356	25.459848	902.8315	28.465093	1009.4005
158.9446382	256.35134	29.022457	1029.1651	31.64211	1122.0606
21928	21928	21928	21928	21928	21928
18.78031873	18.353755	15.145707	537.08182	22.320484	791.50651
15.08847818	16.635135	8.5158396	301.98013	7.1692893	254.23012
-210.684586	-252.3683	0	0	0.6457727	22.89974
11.9213133	9.6631733	6.5884991	233.63472	17.373795	616.09202
18.85490929	17.631332	18.524008	656.8797	23.579214	836.14233
24.85438834	26.397813	20.928593	742.1487	28.575329	1013.3095
214.562276	214.56228	28.957498	1026.8616	35.959848	1275.1719
10372	10372	10372	10372	10372	10372
18.18583565	18.619489	24.326871	862.65501	21.078623	747.4689
15.511854	15.902643	2.7768501	98.469861	7.5748215	268.61069
-206.8155419	-206.8155	19.134152	678.51601	0	0
11.86231895	12.291126	22.0271	781.10284	14.98516	531.38865
20.63073472	20.13808	24.691555	875.58705	21.694907	769.32294
25.15896585	25.221896	26.643637	944.80982	28.036931	994.2174
235.462009	235.46201	33.811801	1199	42.271801	1499
12007	12007	12007	12007	12007	12007
15.99307468	16.037182	15.614052	553.68978	25.232176	894.75802
8.631473749	10.282547	7.0360145	249.50406	5.7993787	205.65173
-54.52804983	-70.57507	5.7990411	205.63976	5.1182382	181.49781
9.171724911	8.4045534	9.5725928	339.45365	22.192043	786.95189
15.35367266	15.076818	12.700549	450.37409	26.929354	954.94163

22.0263103	22.480507	23.615562	837.43127	29.970903	1062.798
85.84310102	144.53753	25.670066	910.28603	31.976952	1133.9345
20829	20829	20829	20829	20829	20829
14.33275437	13.889169	11.681128	414.2244	25.123971	890.92094
11.2358364	11.813668	7.38145	261.75354	5.691404	201.82284
-86.70026938	-96.03723	0	0	4.2104641	149.30724
7.841990653	7.2263825	5.313296	188.41475	22.186042	786.73906
13.71492481	13.177188	7.293838	258.64674	26.384667	935.62649
20.38263622	20.376109	19.825962	703.04828	29.952141	1062.1326
225.0000042	225	23.885538	847.00491	40.382401	1432
16838	16838	16838	16838	16838	16838
12.85331994	12.107082	21.025943	745.60082	24.219122	858.8341
12.34884265	12.854309	6.2957031	223.25188	5.5831549	197.98422
-95.35377718	-132.4054	11.669647	413.81728	1.8309794	64.928348
8.58259126	7.3981141	15.318651	543.21457	21.186139	751.28153
12.8176009	11.933517	17.403819	617.15671	25.613102	908.26602
15.96150919	16.15158	27.676951	981.45215	28.465317	1009.4084
267.2367824	267.23678	33.811801	1199	39.982691	1417.8259
20477	20477	20477	20477	20477	20477
16.63953164	16.957653	13.291098	471.31554	24.35581	863.6812
11.94289019	12.698498	6.7591598	239.68652	6.1286169	217.32684
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9.205823389	9.7896348	8.9268819	316.5561	21.983953	779.5728
14.62244408	15.331563	10.669406	378.34772	25.940055	919.86011
22.42363777	22.340505	14.534252	515.39902	28.891212	1024.5111
137.129124	152.08235	28.575632	1013.3203	32.576121	1155.1816
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15.35702303	16.179727	17.283183	612.87882	24.056898	853.0815
16.9818504	17.355274	5.3564324	189.94441	7.0404774	249.66232
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5.639039956	3.2466028	15.919269	564.51307	20.044096	710.78354
13.77490697	15.256741	18.885666	669.70447	26.451166	937.98462
25.20783396	27.733358	21.133993	749.43238	29.856846	1058.7534
154.9758449	182.90955	24.35191	863.54291	31.940369	1132.6372
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14.99687185	15.837529	16.004832	567.54724	23.553796	835.24098
14.72764046	15.756518	4.7834497	169.62588	7.6342567	270.71832
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26.18310674	27.634256	17.543365	622.10516	29.589215	1049.2629
212.1204353	263.69596	33.811801	1199	32.542801	1154
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15.03162467	15.507496	16.221718	575.23823	23.330756	827.33179
14.23024262	14.96448	6.9334677	245.86765	7.164095	254.04592
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24.16115802	26.155517	23.007731	815.87698	29.276808	1038.1847
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9.13830776	8.7906697	10.494844	372.15758	24.049712	852.82666
28.93840522	31.745086	7.0886015	251.36885	7.2682851	257.74061
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2.499888792	1.7813981	26.609119	943.58578	23.39103	829.46915
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207.9393657	207.93937	33.811801	1199	37.858741	1342.5085
13484	13484	13484	13484	13484	13484
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11.64530463	11.609407	7.2691259	257.77042	5.2811565	187.27505
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19.16952695	10.837063	32.692544	1159.3101	18.180967	644.71515
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92.110586	125.53772	27.999502	992.89015	31.892052	1130.9238
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23.22959035	24.160121	11.498084	407.73347	20.908366	741.43143
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25.31880144	26.376807	18.832798	667.8297	22.89386	811.83902
12.72718238	15.034984	2.8837541	102.26078	7.659429	271.61096
1.003868567	0.3014208	14.24933	505.2954	1.0892228	38.624921
16.14667978	12.570148	16.102448	571.00878	17.565065	622.87466
27.06643925	29.746228	18.763736	665.38069	24.721188	876.63786
33.26551362	38.809568	21.269795	754.24804	29.789717	1056.3729
108.6872314	114.29663	24.366396	864.05661	31.972049	1133.7606
9387	9387	9387	9387	9387	9387
29.52287076	31.024334	16.760288	594.33646	23.170185	821.63777
12.16768476	13.773103	1.4253496	50.544311	7.2078634	255.59799
4.490531731	2.1138198	14.05098	498.26169	3.4637367	122.82754
23.73122225	22.232126	15.586319	552.70635	18.289633	648.56856
30.41107983	31.083541	16.701811	592.26281	24.561954	870.99128
35.73974925	39.353733	17.853952	633.11885	29.733942	1054.3951
61.52972002	61.553706	20.125019	713.65316	31.948808	1132.9365
15447	15447	15447	15447	15447	15447
25.15266245	26.372246	22.750236	806.74594	22.849005	810.24839
15.39177847	17.537955	2.494889	88.47124	7.7338784	274.25101
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15.21428354	14.25679	20.709009	734.36201	18.373738	651.55099
27.91904521	30.338175	22.748947	806.70025	24.943764	884.53065

36.61155035	38.806596	25.092132	889.79193	29.260594	1037.6097
230.5705183	230.57052	28.655776	1016.1623	34.392669	1219.5982
15590	15590	15590	15590	15590	15590
38.98315244	41.327397	6.1551951	218.26933	22.104536	783.84879
14.5628655	17.793691	2.5547655	90.59452	7.9116274	280.55416
2.412831758	1.2075076	0	0	2.9957036	106.23062
28.34997626	32.315052	3.6201246	128.37321	16.485244	584.58312
42.13837931	46.27038	6.509045	230.8172	24.173228	857.20667
49.34136568	54.676754	8.5271299	302.38049	28.944159	1026.3886
106.8038436	129.69038	10.323423	366.07882	31.829882	1128.7192
17940	17940	17940	17940	17940	17940
36.0571999	38.748234	14.99375	531.69325	20.250559	718.10493
13.39408442	15.062122	10.405532	368.99051	7.7934768	276.36442
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30.95286668	36.776584	4.337474	153.81113	14.219016	504.22041
38.79076631	41.997945	22.983434	815.0154	21.557532	764.45148
43.71624597	46.892309	25.048349	888.23934	26.95237	955.7578
219.6404961	219.6405	27.305355	968.27498	31.684354	1123.5586
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41.54317856	44.505059	10.164308	360.43644	20.09863	712.71738
11.12845133	13.02769	2.5574812	90.690824	8.2387794	292.1553
0	0	4.397713	155.94727	0	0
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43.66227987	47.918118	10.300818	365.27723	21.975984	779.29021
48.36002715	52.629172	12.24194	434.11135	27.199334	964.51539
73.37011659	76.372734	14.40986	510.98793	31.512214	1117.4544
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35.25568151	37.030684	18.556011	658.01456	19.31029	684.76207
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25.19471693	25.41307	16.296768	577.89956	13.138097	465.88997
37.08329291	40.163606	18.711484	663.52782	20.344797	721.44672
44.13365923	47.218813	20.977725	743.89094	26.643209	944.79464
217.7118948	217.71189	22.569407	800.33359	31.287138	1109.473
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34.9174007	36.510634	14.385608	510.12794	20.427222	724.36957
14.58225755	16.303011	2.5112193	89.050329	8.2863634	293.84267
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27.79261689	29.83082	12.136956	430.38849	13.786918	488.89782
37.89964677	39.612929	14.22122	504.29858	22.034671	781.3713
44.90051371	46.423502	16.736485	593.49237	28.238989	1001.3826
110.0681853	127.28738	18.545418	657.63894	31.355923	1111.9122
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34.90678693	38.099198	22.50059	797.89326	20.964765	743.4314
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45.04282222	49.809976	24.5798	871.62412	27.792626	985.55411
70.56175675	76.566205	26.711447	947.21442	30.485891	1081.06
15735	15735	15735	15735	15735	15735
35.93563735	38.047433	6.0500608	214.54116	18.277443	648.13626
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36.89884582	40.782747	6.0232728	213.59123	18.400076	652.48497
42.76565172	44.013637	7.8457977	278.21978	24.64251	873.84787
74.18731888	99.448366	10.76903	381.8805	30.980448	1098.5974
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15.22832201	16.706237	10.527866	373.32858	7.3709289	261.38046
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23.63127733	24.938116	4.3784975	155.26587	13.605977	482.48147
31.01164089	34.536541	23.587842	836.44829	19.628939	696.06168
37.94408693	41.521666	25.422774	901.51681	25.233843	894.81714
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17862	17862	17862	17862	17862	17862
34.99978032	36.261362	10.002794	354.70902	18.245856	647.01617
10.63040495	13.04454	2.3210079	82.305245	7.5779961	268.72327
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34.95889757	37.119694	9.966351	353.4167	18.553119	657.91202
41.44661327	43.813955	11.887518	421.54318	24.562454	871.00901
104.524172	237.26599	15.058621	533.99366	32.137334	1139.6218
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34.85570138	36.028595	18.482066	655.3924	17.963192	636.99263
10.13122492	10.526013	2.164387	76.751312	7.5511841	267.77249
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35.94371695	38.030869	18.462096	654.68426	18.271576	647.92824
42.10595785	43.198458	20.21715	716.92021	24.301223	861.7455
159.3789768	148.70993	22.472083	796.88239	30.975674	1098.4282
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32.73146244	33.541228	14.329258	508.12973	18.269505	647.8548
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33.77297305	34.787846	14.100086	500.00305	18.686052	662.62596
39.06752273	40.564619	16.137034	572.23525	24.61099	872.73015
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26.00228488	25.289265	21.20069	751.79753	11.631323	412.45825
31.07907541	32.156069	22.626041	802.34188	18.314603	649.45402

39.15513519	39.412834	24.724285	876.7477	24.487516	868.35164
62.28226054	62.813921	27.14785	962.6897	31.213158	1106.8496
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36.27363236	39.026814	6.0175482	213.38824	19.325653	685.30684
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41.67725368	44.667264	6.2617085	222.0464	20.95285	743.00888
47.0566757	51.187031	8.0242109	284.54649	27.488264	974.76113
94.30052627	92.2509	10.397659	368.71131	31.56911	1119.472
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31.73493187	31.273432	6.3357351	224.67146	18.108138	642.13255
37.3966471	37.37466	24.737214	877.20616	24.335773	862.97068
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42.27555263	43.783742	10.420725	369.52927	17.060727	604.99032
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133.0774749	110.9806	14.435677	511.90342	31.577721	1119.7773
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32.49729395	33.104771	18.522944	656.84199	19.809726	702.47255
41.07598949	39.349015	20.527059	727.9099	26.05072	923.7844
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37.71783781	39.702667	14.589372	517.35362	19.461101	690.10997
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21.29725092	23.981338	4.2905303	152.14646	12.905727	457.64988
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43.27933863	46.612651	8.5884024	304.55328	24.79677	879.31808
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245.6142456	245.61425	28.655776	1016.1623	32.06951	1137.2167
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46.63852492	47.449286	12.839321	455.29508	23.844289	845.54217
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43.44292864	45.802699	25.203259	893.73258	22.961769	814.24714
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134.7815041	116.57061	22.828017	809.50415	30.984189	1098.7301
16168	16168	16168	16168	16168	16168
36.81677617	38.439125	14.278183	506.31853	17.678854	626.9097
11.98721131	12.308884	2.4778287	87.866265	7.9250503	281.03015
-36.70552177	-37.45784	9.4674226	335.7242	2.4384382	86.46944
26.5365117	28.608945	12.0395	426.93263	11.426322	405.18871
40.01593993	42.257742	14.642179	519.22619	18.424233	653.34161
45.62845641	46.623173	16.709214	592.52531	24.419668	865.94568
115.2766614	93.691287	18.435321	653.73479	31.120334	1103.5579
16559	16559	16559	16559	16559	16559
35.1248497	37.02725	22.444185	795.89308	17.088644	605.9803
12.68168535	12.788267	3.1138314	110.41955	8.5180984	302.06023
-54.08904165	-79.89577	15.860822	562.4405	2.3775604	84.310652
34.54973493	35.595663	20.000895	709.25161	9.9654906	353.38619
38.0083149	40.874458	23.079958	818.43821	17.095478	606.22262

41.84204928	44.635836	25.139279	891.46379	24.65259	874.20531
78.01541307	76.83984	27.128599	962.00705	31.110588	1103.2123