	subject	activity	tBodyAcc-mean()-X	tBodyAcc-mean()-Y	tBodyAcc-mean()-Z
1	1	laying	0.221598244	-0.040513953	-0.113203554
2	1	sitting	0.261237565	-0.001308288	-0.104544182
3	1	standing	0.278917629	-0.01613759	-0.110601818
4	1	walking	0.277330759	-0.017383819	-0.111148104
5	1	walking_downstairs	0.28918832	-0.009918505	-0.107566191
6	1	walking_upstairs	0.25546169	-0.023953149	-0.097302002
7	2	laying	0.281373404	-0.01815874	-0.10724561
8	2	sitting	0.277087352	-0.015687994	-0.109218272
9	2	standing	0.277911472	-0.018420827	-0.105908536
10	2	walking	0.276426586	-0.01859492	-0.105500358
11	2	walking_downstairs	0.277615348	-0.022661416	-0.116812942
12	2	walking_upstairs	0.24716479	-0.021412113	-0.1525139
13	3	laying	0.275516853	-0.018955679	-0.101300478
14	3	sitting	0.257197599	-0.003502998	-0.09835792
15	3	standing	0.280046513	-0.014337656	-0.101621723
16	3	walking	0.275567462	-0.017176784	-0.11267486
17	3	walking_downstairs	0.292423485	-0.019355408	-0.116139843
18	3	walking_upstairs	0.260819873	-0.032410941	-0.110064863
19	4	laying	0.263559215	-0.015003184	-0.11068815
20	4	sitting	0.27153828	-0.007163065	-0.105874596
21	4	standing	0.280499746	-0.009489111	-0.096157491
22	4	walking	0.278582015	-0.014839948	-0.111403065
23	4	walking_downstairs	0.27996533	-0.009802009	-0.106777525
24	4	walking_upstairs	0.270876697	-0.03198043	-0.114219456
25	5	laying	0.278334326	-0.018304212	-0.107937604
26	5	sitting	0.27369414	-0.009900835	-0.1085403
27	5	standing	0.282544391	-0.007004186	-0.102171096
28	5	walking	0.277842346	-0.017285032	-0.107741776
29	5	walking_downstairs	0.293543927	-0.008501075	-0.100319931
30	5	walking_upstairs	0.26845947	-0.032526976	-0.107471454
31	6	laying	0.24865652	-0.010252917	-0.13311957
32	6	sitting	0.276778487	-0.014591162	-0.110127729
33	6	standing	0.280346249	-0.018123633	-0.112172832
34	6	walking	0.283658868	-0.016895419	-0.110303166
35	6	walking_downstairs	0.277045258	-0.01953684	-0.107209356
36	6	walking_upstairs	0.268229355	-0.027242539	-0.122082439
37	7	laying	0.250176694	-0.020441152	-0.101361037
38	7	sitting	0.284674637	-0.014610976	-0.122464598
39	7	standing	0.282723539	-0.014574034	-0.09977783
40	7	walking	0.275592962	-0.018653665	-0.110912235
41	7	walking_downstairs	0.28030708	-0.016633237	-0.096938309
42	7	walking_upstairs	0.248706923	-0.027563901	-0.143769689
43	8	laying	0.261254283	-0.021228173	-0.102245366
44	8	sitting	0.267491473	-0.006725506	-0.104461049
45	8	standing	0.279620986	-0.014811307	-0.106114997
46	8	walking	0.27468631	-0.018662887	-0.107252091

47	8	walking_downstairs	0.283484089	-0.021105867	-0.107598135
48	8	walking_upstairs	0.258880152	-0.028241514	-0.11512212
49	9	laying	0.259195537	-0.020526822	-0.107549721
50	9	sitting	0.248326744	-0.027016777	-0.075378469
51	9	standing	0.282310057	-0.020045495	-0.095274748
52	9	walking	0.278502842	-0.018089197	-0.110820512
53	9	walking_downstairs	0.295923445	-0.020399427	-0.091027879
54	9	walking_upstairs	0.262436476	-0.01951011	-0.125219004
55	10	laying	0.280230574	-0.024294484	-0.117168642
56	10	sitting	0.270612056	-0.015042682	-0.104253239
57	10	standing	0.276650301	-0.01554186	-0.107964084
58	10	walking	0.278574077	-0.017022351	-0.109057512
59	10	walking_downstairs	0.290401594	-0.020005077	-0.110848597
60	10	walking_upstairs	0.267121853	-0.014385492	-0.118180421
61	11	laying	0.280592971	-0.017659805	-0.108786578
62	11	sitting	0.276590197	-0.014919562	-0.112840218
63	11	standing	0.277715563	-0.017199089	-0.10868663
64	11	walking	0.271821893	-0.016647583	-0.106096304
65	11	walking_downstairs	0.291605632	-0.017809772	-0.11107015
66	11	walking_upstairs	0.263775859	-0.030315782	-0.106797216
67	12	laying	0.260113433	-0.017520392	-0.108160126
68	12	sitting	0.275007225	-0.015789299	-0.106307229
69	12	standing	0.277405835	-0.016900254	-0.105527
70	12	walking	0.277128666	-0.015560928	-0.103161106
71	12	walking_downstairs	0.281521097	-0.018084267	-0.109555932
72	12	walking_upstairs	0.272970339	-0.02635749	-0.10733973
73	13	laying	0.27671636	-0.020440454	-0.104331865
74	13	sitting	0.2743285	-0.005877329	-0.097246511
75	13	standing	0.277758431	-0.016789199	-0.112124138
76	13	walking	0.27588313	-0.018566065	-0.111431456
77	13	walking_downstairs	0.294907553	-0.014372384	-0.101993942
78	13	walking_upstairs	0.25820394	-0.027739225	-0.125767266
79	14	laying	0.23327544	-0.011342465	-0.086833332
80	14	sitting	0.279990577	-0.008705655	-0.10040149
81	14	standing	0.280545614	-0.015207813	-0.103817702
82	14	walking	0.271959599	-0.021778538	-0.106756369
83	14	walking_downstairs	0.293422116	-0.020014141	-0.092833017
84	14	walking_upstairs	0.262421066	-0.020438818	-0.112279689
85	15	laying	0.289475653	-0.016629654	-0.11853024
86	15	sitting	0.27290338	-0.011718847	-0.113661253
87	15	standing	0.278915804	-0.018351636	-0.105910833
88	15	walking	0.273899208	-0.017080974	-0.10762182
89	15	walking_downstairs	0.280198851	-0.005630478	-0.110526066
90	15	walking_upstairs	0.270187596	-0.028752386	-0.116952465
91	16	laying	0.274227163	-0.016610351	-0.107310493
92	16	sitting	0.280768574	-0.010249794	-0.089140404
93	16	standing	0.283497403	-0.016599967	-0.103657729

94	16	walking	0.276023565	-0.020428693	-0.10880405
95	16	walking_downstairs	0.295586802	-0.018389858	-0.119873705
96	16	walking_upstairs	0.255986103	-0.014365495	-0.124074518
97	17	laying	0.269780086	-0.016846201	-0.10700628
98	17	sitting	0.27735702	-0.014156274	-0.113624085
99	17	standing	0.277942503	-0.017412006	-0.111432146
100	17	walking	0.272341855	-0.01848754	-0.109792122
101	17	walking_downstairs	0.293918283	-0.01673594	-0.089243275
102	17	walking_upstairs	0.252604769	-0.022864561	-0.121290442
103	18	laying	0.274691577	-0.017393768	-0.107698928
104	18	sitting	0.277270019	-0.012869128	-0.111904776
105	18	standing	0.278458806	-0.016635352	-0.108453356
106	18	walking	0.273887759	-0.017802363	-0.104218315
107	18	walking_downstairs	0.288439469	-0.016866692	-0.103390809
108	18	walking_upstairs	0.265401202	-0.022206068	-0.112655891
109	19	laying	0.272653733	-0.017142686	-0.108981462
110	19	sitting	0.273830316	-0.01673926	-0.108707654
111	19	standing	0.27817226	-0.015424406	-0.109041905
112	19	walking	0.273931172	-0.019177359	-0.122736673
113	19	walking_downstairs	0.262688054	-0.014594228	-0.133695241
114	19	walking_upstairs	0.242118809	-0.030398662	-0.151054608
115	20	laying	0.239507882	-0.014440628	-0.104274323
116	20	sitting	0.278045439	-0.014722931	-0.108369635
117	20	standing	0.278076905	-0.018069505	-0.10040276
118	20	walking	0.272589336	-0.021199992	-0.113539477
119	20	walking_downstairs	0.296144421	-0.009641208	-0.104602926
120	20	walking_upstairs	0.252098317	-0.028225805	-0.121023948
121	21	laying	0.271325472	-0.018423305	-0.103253832
122	21	sitting	0.277539617	-0.014400971	-0.112057888
123	21	standing	0.276952243	-0.016708473	-0.110417856
124	21	walking	0.279183527	-0.018161032	-0.104319332
125	21	walking_downstairs	0.30146102	-0.017319539	-0.098168662
126	21	walking_upstairs	0.265194545	-0.02372187	-0.125414265
127	22	laying	0.279959721	-0.014262986	-0.110800925
128	22	sitting	0.273583823	-0.012346845	-0.10582737
129	22	standing	0.279053862	-0.015856321	-0.104967424
130	22	walking	0.27886459	-0.016721361	-0.107112511
131	22	walking_downstairs	0.284458964	-0.019799937	-0.10741578
132	22	walking_upstairs	0.248391535	-0.026862256	-0.117550862
133	23	laying	0.274038008	-0.021655384	-0.104256776
134	23	sitting	0.273351252	-0.013394502	-0.103808679
135	23	standing	0.277899323	-0.017747555	-0.110597018
136	23	walking	0.273211884	-0.018361871	-0.113382994
137	23	walking_downstairs	0.289897411	-0.016211146	-0.098812371
138	23	walking_upstairs	0.249995171	-0.032384403	-0.126890617
139	24	laying	0.272850495	-0.017355521	-0.107236237
140	24	sitting	0.27347569	-0.01312551	-0.103041061

141	24	standing	0.280348884	-0.014478534	-0.108222554
142	24	walking	0.276980816	-0.02254464	-0.110595953
143	24	walking_downstairs	0.288631209	-0.014573035	-0.10481882
144	24	walking_upstairs	0.269881107	-0.025197943	-0.114248611
145	25	laying	0.250791829	-0.018894366	-0.10042883
146	25	sitting	0.278541482	-0.014769681	-0.10916044
147	25	standing	0.278013702	-0.016356973	-0.107352958
148	25	walking	0.278992759	-0.018647762	-0.108737636
149	25	walking_downstairs	0.291329666	-0.021017052	-0.107192377
150	25	walking_upstairs	0.277995411	-0.026986352	-0.12621044
151	26	laying	0.271645865	-0.019189573	-0.10500254
152	26	sitting	0.25824353	-0.007133645	-0.097444869
153	26	standing	0.281127035	-0.016660831	-0.110237796
154	26	walking	0.279264444	-0.015425959	-0.108927011
155	26	walking_downstairs	0.279284583	-0.01262581	-0.106439619
156	26	walking_upstairs	0.272691395	-0.02816338	-0.121943461
157	27	laying	0.274102492	-0.017986761	-0.107699733
158	27	sitting	0.273941303	-0.01552698	-0.105521913
159	27	standing	0.279566922	-0.016593236	-0.107835818
160	27	walking	0.276849485	-0.016647878	-0.112822289
161	27	walking_downstairs	0.297544188	-0.013556447	-0.112837695
162	27	walking_upstairs	0.265770254	-0.020095332	-0.123530438
163	28	laying	0.275913483	-0.016753786	-0.108344853
164	28	sitting	0.276977629	-0.018540444	-0.11151794
165	28	standing	0.277795069	-0.017263512	-0.106579385
166	28	walking	0.281228224	-0.015675972	-0.103714705
167	28	walking_downstairs	0.293642077	-0.022023047	-0.108588974
168	28	walking_upstairs	0.262005842	-0.027944394	-0.121514026
169	29	laying	0.287295197	-0.017196548	-0.109462068
170	29	sitting	0.277179978	-0.01663068	-0.110411819
171	29	standing	0.277965066	-0.017260587	-0.108659067
172	29	walking	0.271999917	-0.01629156	-0.106632427
173	29	walking_downstairs	0.293140441	-0.014941215	-0.098133998
174	29	walking_upstairs	0.265423067	-0.029946531	-0.118000588
175	30	laying	0.281033901	-0.01944941	-0.103658151
176	30	sitting	0.268336081	-0.008047313	-0.099515446
177	30	standing	0.277112699	-0.017016389	-0.10875621
178	30	walking	0.276406758	-0.017588039	-0.098624707
179	30	walking_downstairs	0.283190647	-0.01743839	-0.099978142
180	30	walking_upstairs	0.271415642	-0.02533117	-0.124697494

tBodyAcc-std()-X	tBodyAcc-std()-Y	tBodyAcc-std()-Z	tGravityAcc-mean()-X	tGravityAcc-mean()-Y
-0.928056469	-0.836827406	-0.826061402	-0.248881798	0.705549773
-0.977229008	-0.922618642	-0.939586291	0.831509933	0.204411593
-0.995759902	-0.973190056	-0.979775877	0.942952	-0.272983832
-0.283740259	0.114461337	-0.260027902	0.935223201	-0.282165021
0.030035338	-0.031935943	-0.230434213	0.931874419	-0.266610339
-0.354708025	-0.002320265	-0.019479239	0.893351098	-0.362153364
-0.974059465	-0.980277399	-0.984233297	-0.509754238	0.752536639
-0.98682228	-0.950704499	-0.959828172	0.940477273	-0.105630024
-0.987271889	-0.957304989	-0.949741851	0.896928567	-0.370062697
-0.423642838	-0.078091253	-0.425257525	0.913017333	-0.34660709
0.046366681	0.262881789	-0.102837908	0.861831346	-0.325780101
-0.304376406	0.10802728	-0.112121021	0.790717419	-0.41621489
-0.982776639	-0.962057545	-0.963691035	-0.241758478	0.8370321
-0.971010121	-0.856617812	-0.875110175	0.901098985	0.127303379
-0.966742543	-0.893449307	-0.911419015	0.935030779	-0.30173513
-0.360356726	-0.069914065	-0.387411994	0.936506743	-0.261986358
-0.057410048	-0.033150372	-0.362240245	0.939057788	-0.228829214
-0.313123438	0.011628081	-0.369754604	0.883533436	-0.382851154
-0.954193739	-0.941714042	-0.962667315	-0.420664662	0.915165104
-0.980309931	-0.890223981	-0.932203007	0.869303006	0.21162254
-0.97692058	-0.861597379	-0.896880538	0.956197791	-0.075900906
-0.440829971	-0.078826737	-0.586252807	0.963999697	-0.085854027
0.01119355	-0.218598325	-0.479185977	0.947731859	-0.062085277
-0.204933043	-0.066689911	-0.372137778	0.946264314	-0.232944305
-0.96593451	-0.969295613	-0.968562516	-0.483470598	0.954890346
-0.980945022	-0.904335121	-0.92609474	0.880731444	0.168445524
-0.968591816	-0.869439913	-0.869327322	0.960188699	-0.038710127
-0.294098534	0.076748403	-0.457021436	0.97262496	-0.100440285
0.27504611	0.090763076	-0.325891435	0.956649353	-0.060757832
-0.045723778	0.185022459	-0.308938979	0.936821835	-0.265942569
-0.934049422	-0.924644826	-0.9252161	-0.476709879	0.956593814
-0.980164934	-0.923682131	-0.925797097	0.933692935	0.068262866
-0.98175816	-0.921493192	-0.925692372	0.945139004	-0.230251036
-0.296538717	0.164213885	-0.504324207	0.958067455	-0.214694852
0.38368164	0.360164959	-0.320204233	0.928531455	-0.214046334
-0.050135019	0.189276117	-0.353519515	0.913632242	-0.340732609
-0.93651361	-0.926262669	-0.952978366	-0.502814251	0.393444278
-0.972668375	-0.909454699	-0.856532941	0.969147824	0.006088466
-0.97930757	-0.923400922	-0.917064168	0.958728688	-0.117607049
-0.327243241	-0.077261856	0.159631283	0.932566472	-0.159097004
0.06608156	-0.138179073	-0.063640245	0.930623633	-0.129871673
-0.294872974	-0.326160023	-0.145665026	0.81874656	-0.240950944
-0.943041215	-0.93489116	-0.932491454	-0.405930036	0.589922435
-0.979026152	-0.927331997	-0.93955303	0.832453878	0.240095117
-0.988815418	-0.938479429	-0.926065255	0.957669921	-0.090460349
-0.173605736	0.380782053	-0.142088532	0.913586348	-0.217102195

0.024139347	0.343826273	0.13371704	0.914023498	-0.187610243
-0.171712175	0.348768733	0.121187279	0.860368719	-0.291341492
-0.94233309	-0.916292776	-0.940707285	-0.580252835	-0.119154196
-0.957227791	-0.875141405	-0.832001873	0.916324511	-0.041425823
-0.975741252	-0.938635759	-0.919295806	0.961323502	-0.010383816
-0.238353563	-0.201696961	-0.057963647	0.95186708	-0.031434174
0.213392271	-0.208310706	-0.0077153	0.938417773	-0.035230465
-0.361444378	-0.302206204	-0.253434084	0.902647778	-0.037794782
-0.968283685	-0.946454302	-0.959471486	-0.453069738	-0.139297681
-0.982901826	-0.91797953	-0.967826982	0.791887198	-0.041260775
-0.978403482	-0.919561843	-0.94127144	0.954008785	-0.043159783
-0.178709734	-0.022743165	-0.395645072	0.96309215	-0.083827701
0.295733548	0.004079154	-0.183557562	0.939807421	-0.064616077
-0.161591924	-0.005552877	-0.073874493	0.931861027	-0.056567028
-0.98477733	-0.972196874	-0.971311177	-0.134832031	0.943017941
-0.982796562	-0.921402118	-0.968370182	0.871963798	0.213716306
-0.994978879	-0.964173332	-0.986382713	0.956464536	-0.173082705
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0.130643718	-0.992411542	-0.971426608	-0.958862044
-0.08984288	-0.969861463	-0.9586512	-0.929187931
-0.126146869	-0.899726139	-0.917880864	-0.899363132
-0.221008763	-0.916495992	-0.901044851	-0.836935675
0.477573305	-0.928674215	-0.976018477	-0.976518553
0.151679135	-0.985829034	-0.966983534	-0.935854966
0.070865529	-0.981916942	-0.957462721	-0.942437326
-0.035130214	-0.970327266	-0.962003384	-0.95385044
-0.028259158	-0.940458075	-0.908577154	-0.919693533
-0.130117635	-0.931405014	-0.924594354	-0.904064094
0.788251027	-0.945905271	-0.983732936	-0.952416332
-0.056776606	-0.992936404	-0.979355363	-0.965426494
-0.20768569	-0.982906669	-0.977681416	-0.958590002
-0.22094796	-0.969576355	-0.964144521	-0.974939388
-0.187870253	-0.940194828	-0.940111831	-0.916324557
-0.309735039	-0.940911636	-0.941523624	-0.932716254
0.771903907	-0.928781249	-0.958826939	-0.952435389
0.315551492	-0.972009989	-0.954225015	-0.92795065
0.032382498	-0.992827298	-0.971080743	-0.958890202
0.023378006	-0.969643448	-0.96363934	-0.955147847
0.041298796	-0.941242335	-0.945824353	-0.906594023
-0.095797899	-0.94063384	-0.941620222	-0.913153632
0.918782825	-0.947948758	-0.982794563	-0.976780462
0.063011156	-0.984536722	-0.960917426	-0.9239536
-0.223631181	-0.984610385	-0.984818649	-0.947199734
-0.16076336	-0.977230904	-0.966550707	-0.932981342
-0.153671532	-0.950790837	-0.93901255	-0.905888258
-0.35593445	-0.933344482	-0.910474557	-0.90206591
0.68383991	-0.960412164	-0.993454358	-0.979239668
0.109559621	-0.98966015	-0.971692545	-0.963406796

-0.05305854	-0.992197592	-0.968155389	-0.946184949
-0.14091003	-0.9831324	-0.962578844	-0.962822967
-0.140123155	-0.961845327	-0.941478979	-0.942207719
-0.227134869	-0.962190567	-0.91669078	-0.934952939
0.526353818	-0.829554948	-0.643578361	-0.610161166
0.167140956	-0.988879981	-0.963415017	-0.969459982
0.201182106	-0.993148268	-0.980642971	-0.967792579
0.188416273	-0.979499263	-0.965093441	-0.944995731
0.218795958	-0.964470067	-0.937816011	-0.926191696
0.108230987	-0.95087845	-0.931758273	-0.882722399
0.614523406	-0.944472489	-0.987887995	-0.984081709
0.314387627	-0.965082926	-0.949286701	-0.944580864
0.088414268	-0.992678782	-0.966986434	-0.964228471
0.1087387	-0.980055651	-0.969040314	-0.966231562
0.15390632	-0.962721992	-0.935425855	-0.933081768
-0.001993106	-0.962011392	-0.937858158	-0.929636798
0.84539238	-0.971183863	-0.993701743	-0.989056311
0.276417431	-0.982445738	-0.982553337	-0.967268066
-0.005574169	-0.994012163	-0.979641052	-0.968169954
-0.126210937	-0.979866137	-0.973793	-0.956593491
-0.140047614	-0.946975165	-0.934963993	-0.920921522
-0.29464264	-0.956433875	-0.947713379	-0.926675381
0.015757003	-0.970599089	-0.969759029	-0.979124666
0.135402567	-0.9891325	-0.971766352	-0.95608768
-0.03858305	-0.990059427	-0.962801442	-0.951782182
-0.125912861	-0.976693903	-0.96878086	-0.944225032
-0.121477256	-0.956921542	-0.948404212	-0.91705975
-0.265207858	-0.9446978	-0.927641088	-0.900514013
0.590452224	-0.97293989	-0.994247649	-0.985778178
0.286256064	-0.984679152	-0.97360429	-0.966032045
0.031614585	-0.996764227	-0.985134032	-0.984464544
0.095579214	-0.978253539	-0.975272848	-0.945981437
0.091965045	-0.941736193	-0.913903064	-0.869300905
0.044378601	-0.954189013	-0.923007798	-0.858849467
0.681459211	-0.979563943	-0.988930715	-0.983274525
0.34476602	-0.978364712	-0.959361307	-0.956635663
0.024304436	-0.996420919	-0.958145763	-0.949207368
-0.003925564	-0.979752467	-0.970176562	-0.943958421
0.028808167	-0.958890389	-0.918678752	-0.87766706
-0.02214011	-0.954033624	-0.914933936	-0.862402791

tBodyAccJerk-mean()-X	tBodyAccJerk-mean()-Y	tBodyAccJerk-mean()-Z	tBodyAccJerk-std()-X
0.081086534	0.003838204	0.010834236	-0.958482112
0.07748252	-0.000619103	-0.003367792	-0.986430711
0.075376654	0.007975731	-0.00368525	-0.994604542
0.074041633	0.02827211	-0.004168406	-0.113615602
0.054155316	0.029650449	-0.010971973	-0.012283861
0.10137273	0.019486308	-0.045562545	-0.446843888
0.082597251	0.012254788	-0.001802649	-0.985872169
0.072256439	0.011695451	0.007605469	-0.988055854
0.07475886	0.010329177	-0.008371588	-0.981085716
0.06180807	0.018249268	0.007895337	-0.277530463
0.110040616	-0.003279591	-0.020935168	0.147249143
0.074450784	-0.009709855	0.019481439	-0.276121886
0.076981113	0.013804101	-0.004356259	-0.980879315
0.072609842	0.002725291	-0.004233484	-0.97446739
0.075090062	0.007716636	-0.008071779	-0.957086489
0.081474588	0.010059149	-0.005622646	-0.268679644
0.072568929	0.010970777	-0.00202728	-0.085801004
0.042688099	0.039724927	0.020820554	-0.458364617
0.093449422	0.006933132	-0.006410543	-0.978302781
0.078450024	-0.010858217	-0.012149995	-0.976742196
0.072132838	-0.006530157	-0.021188989	-0.972586542
0.078352908	0.002956024	-0.000767679	-0.297042613
0.097186275	0.005637802	-0.007291378	-0.145759709
0.056097191	0.023401899	0.003402808	-0.380488027
0.084816482	0.007474608	-0.003040672	-0.983307862
0.074957741	-0.002787733	0.003386096	-0.97520485
0.072518986	-0.002219902	-0.012281222	-0.96264708
0.084588883	-0.01631941	8.32E-05	-0.302891025
0.1096506	0.013761823	0.021339766	0.03224155
0.079544348	0.014013036	-0.025590953	-0.223896564
0.096348196	-0.001145292	0.003288173	-0.966341055
0.075472164	2.56E-06	0.006237278	-0.969929476
0.07306996	0.00871884	-0.004817122	-0.973132636
0.069958588	-0.016483172	-0.007389312	-0.132784767
0.103681344	0.009876858	-0.009324706	0.165271071
0.07210675	0.003713434	-0.002378166	-0.180301156
0.096890402	0.025062418	-0.013165392	-0.980977756
0.066851979	0.011686342	0.016200414	-0.982158098
0.075191511	0.006947004	-0.010842029	-0.976403545
0.090146265	0.018432272	-0.021039855	-0.346026226
0.096892618	-0.019106108	-0.016039039	0.028503393
0.072464994	-0.000812387	-7.45E-05	-0.415153116
0.08783269	0.023329916	-0.016921879	-0.973253042
0.078671376	-0.006575163	-0.010680892	-0.985188754
0.075373905	0.008149517	0.003221533	-0.98919888
0.070339349	-0.006039475	-0.000673799	-0.258688628

0.118938088	-0.038019385	-0.039435616	0.250143725
0.081381681	0.014120592	-0.067458392	-0.186618895
0.088073448	0.011561733	-0.007053678	-0.96474047
0.077005006	0.009817397	-0.008674673	-0.964535856
0.076003205	0.01306998	-0.004700786	-0.969973399
0.070435727	0.021225591	0.004147627	-0.206733788
0.130193044	-0.020686597	0.002625689	0.017623342
0.069226625	0.001266122	0.007660466	-0.335291645
0.073815064	0.015698997	0.007166896	-0.978007467
0.077537251	0.008978755	-0.004995664	-0.988946414
0.080978439	0.011900763	-0.00485841	-0.96431149
0.085794381	0.004082488	-0.01629532	-0.052199101
0.100959387	0.01078249	0.000152617	0.223275806
0.06488293	0.026631428	-0.051337583	-0.187220176
0.076664534	0.012219385	0.002776905	-0.985259109
0.076177732	-0.000213839	0.008334008	-0.980335164
0.076009772	0.012413097	-0.000745916	-0.992527404
0.082970933	0.012768248	-0.013364828	-0.428516344
0.089716866	0.02522742	-0.022520891	-0.083421265
0.096856168	-0.013262529	-0.01514639	-0.452961684
0.085429539	0.007744083	-0.004371484	-0.969276283
0.077127766	0.01059905	-0.00204576	-0.976494201
0.074463176	0.010048004	-0.007881314	-0.972440195
0.045764401	0.019776695	0.00502587	-0.013506611
0.062150025	-0.011928915	0.004852624	0.006319144
0.072866081	-0.006894949	0.009066628	-0.359856972
0.076777483	0.018344189	-0.009883897	-0.98541995
0.075286588	-0.001123441	-0.023239725	-0.992827264
0.075863096	0.007620352	-0.000704979	-0.987636104
0.080959023	0.003083645	0.00597249	-0.220910068
0.101704538	-0.007518682	-0.025297767	-0.074090805
0.069244207	-0.001280098	-0.02541263	-0.48732554
0.098140385	-0.008315071	-0.032360151	-0.971473557
0.074187884	-0.00436186	-0.010574451	-0.980890655
0.073793375	0.005795662	-0.007207778	-0.978248526
0.072087791	0.024116024	0.019972304	-0.45449702
0.042863163	0.029133942	0.01049526	0.012959755
0.080330302	-0.018313116	0.003441995	-0.368780419
0.076751544	0.012398427	-0.00443928	-0.981739387
0.078479279	-0.008984376	-0.002372075	-0.988162334
0.07522807	0.006172555	-0.006587371	-0.985459068
0.089777072	0.008905886	0.000658706	-0.373217585
0.071145716	0.0151159	-0.01002129	0.134593836
0.072972433	-0.004173618	-0.005258799	-0.186944665
0.078396027	0.013280505	-0.001541051	-0.988416724
0.073434672	0.009856429	-0.011503058	-0.990861135
0.073643891	0.012076795	-0.004763106	-0.991026497

0.077022377	0.009684447	0.003608033	-0.396223738
0.090785706	-0.014811453	-0.029312256	-0.101186927
0.076252668	0.017372933	0.038053359	-0.52108914
0.077908975	0.007068671	-0.000143543	-0.981489017
0.075070986	0.00560971	-0.001554484	-0.994340603
0.074086496	0.006578535	-0.004035996	-0.992094006
0.077318858	0.013009855	0.024375333	-0.355492635
0.118250858	-0.011382618	-0.009398381	-0.103436471
0.076804417	0.030835651	0.007595338	-0.292665827
0.074998501	0.011701896	-0.001213448	-0.985921071
0.076622889	0.006945603	0.00278757	-0.991624662
0.075353948	0.010469872	-0.001816405	-0.989436674
0.076752428	0.028274548	0.010685091	-0.368056914
0.080904405	-0.000757069	-0.014176992	-0.387223932
0.081240203	0.021165469	0.009358966	-0.563202135
0.0772318	0.011149573	-0.000988691	-0.983605223
0.075374713	0.013792101	0.001731068	-0.987043285
0.075412037	0.009913383	0.001292163	-0.984792035
0.082224628	0.014411348	-0.032752872	0.110306729
0.073093031	-0.038687211	-0.009552025	0.544273037
0.083154508	0.056818586	0.031668198	-0.174279056
0.089271601	0.001108225	-0.003098918	-0.984270728
0.074656839	0.005974303	0.001601349	-0.982078229
0.076355616	0.011693022	-0.006136819	-0.959528332
0.084123432	-0.021061956	0.006344572	-0.090645042
0.069503106	0.004364496	-0.002534821	-0.135699627
0.083645126	0.006599826	-0.024542099	-0.185695388
0.08201502	0.011994367	-0.013905344	-0.984826521
0.075710979	0.012102014	-0.000175352	-0.989439392
0.075454386	0.010062117	-0.003320937	-0.97706335
0.078225182	0.002351976	-0.010181342	-0.114888874
0.090145288	-0.021399849	-0.012555109	0.002146557
0.104034223	-0.015629007	-0.036011547	-0.424052015
0.075220224	0.004598348	-0.004674387	-0.970355192
0.080768731	-0.000842715	-0.012685248	-0.981664149
0.075232289	0.010728696	-0.006262917	-0.975639081
0.062777763	0.035674634	0.004436914	0.035878709
0.101584641	0.021112611	0.011249902	0.086913985
0.087717224	0.036708297	-0.033616971	-0.008539927
0.083178761	0.01535144	-0.006282351	-0.986360447
0.077002235	0.010135139	-0.001488234	-0.984561804
0.075020648	0.010586152	-0.005292609	-0.983141959
0.098731909	0.014895593	-0.001908106	-0.229328122
0.057801061	0.037500515	-0.000982717	0.198947062
0.072364998	0.039986287	0.015923417	-0.365398623
0.080721233	0.011981952	-0.005892258	-0.986365434
0.076331853	0.004767026	-0.001133002	-0.988564382

0.074617742	0.010983969	-0.003587749	-0.980573837
0.073193898	0.012125459	-0.011640139	-0.485863255
0.080261983	-0.004473163	-0.008469159	-0.337218894
0.08623101	-0.015081605	-0.013235365	-0.498764672
0.087907169	0.028461931	-0.030717944	-0.973323412
0.075208701	0.004854159	0.002107608	-0.992278622
0.07523373	0.00663214	-0.006228088	-0.988312658
0.072172071	0.003511152	-0.003350987	-0.607620932
0.110656929	-0.019541663	-0.011334879	-0.501968388
0.074004144	0.00925514	-0.011690681	-0.663642746
0.086650253	0.012442003	-0.006147551	-0.989315825
0.076444323	0.00692239	-0.00780238	-0.992258395
0.075357821	0.008173223	-0.002194978	-0.990498355
0.065230374	0.019671214	-0.006183058	-0.328452881
0.111470788	-0.007131602	-0.011891143	-0.128111641
0.075564532	0.002091717	-0.011708928	-0.290879966
0.076626855	0.012649109	-0.000685549	-0.986471899
0.077903896	0.004670724	-0.006112854	-0.990658098
0.074969981	0.012243331	-0.001379503	-0.987628362
0.068433197	0.001612303	-0.020752327	-0.316184022
0.093627322	0.015986947	-0.009850348	-0.003583389
0.073476353	-0.014022937	0.006746791	-0.468066189
0.078077064	0.005939923	0.006009719	-0.980164717
0.076867162	0.014833823	0.000257854	-0.976286679
0.07531316	0.009073632	-0.002678101	-0.96860456
0.093112223	0.02264866	-0.007629152	-0.335700184
0.097265346	0.01434509	0.001239501	-0.016765223
0.070683187	0.022298541	0.007490817	-0.312671656
0.07188612	0.011691206	0.002415428	-0.992005989
0.07454381	0.005985314	0.003167701	-0.99352556
0.075305253	0.011510498	0.000332895	-0.993652821
0.085374335	0.022387045	0.009415473	-0.221433543
0.063687197	0.000621017	-0.014064298	-0.023952574
0.106345193	-0.000689019	-0.029071387	-0.182365815
0.075219667	0.010768019	-0.00037419	-0.977463776
0.076005773	0.009756925	-0.002781618	-0.988864577
0.075241447	0.012086042	0.001908415	-0.968430745
0.068868997	0.021965655	-0.007395342	-0.374400941
0.088393304	-0.007561108	-0.011830142	-0.226643901
0.057984037	-0.003587192	0.01615062	-0.535420203

tBodyAccJerk-std()-Y	tBodyAccJerk-std()-Z	tBodyGyro-mean()-X	tBodyGyro-mean()-Y
-0.924149274	-0.954855111	-0.016553094	-0.064486124
-0.981371965	-0.987910804	-0.045350057	-0.091924155
-0.985648732	-0.992251177	-0.023987735	-0.059397221
0.067002501	-0.502699789	-0.041830964	-0.069530046
-0.101601391	-0.345735032	-0.03507819	-0.090937129
-0.378274426	-0.706593531	0.05054938	-0.166170015
-0.983172541	-0.988442014	-0.018476607	-0.111800825
-0.977983955	-0.987518212	-0.045470662	-0.05992868
-0.97105944	-0.982841446	-0.023862388	-0.082039658
-0.016602236	-0.586090419	-0.053025816	-0.048238232
0.126828015	-0.340122023	-0.115947353	-0.004823292
-0.185648954	-0.573746353	-0.057691263	-0.03208831
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-0.194656097	-0.467070153	-0.07455913	-0.069311241
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tBodyGyro-mean()-Z	tBodyGyro-std()-X	tBodyGyro-std()-Y	tBodyGyro-std()-Z
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0.074800751	-0.987191947	-0.98773444	-0.980645627
0.084944817	-0.473535486	-0.054607769	-0.344266629
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0.058359546	-0.544871105	0.004105184	-0.507168675
0.144882846	-0.988275233	-0.982291609	-0.96030656
0.041227746	-0.985742028	-0.978919527	-0.959803709
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0.068837402	-0.439253059	-0.466298337	-0.163995792
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0.094011398	-0.965434768	-0.944854571	-0.92641371
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0.179102058	-0.955378225	-0.943634949	-0.939141879
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-0.093751871	-0.050923522	-0.062901372	-0.695774948
-0.104511627	-0.035601005	-0.053450191	-0.960802949
-0.095393506	-0.040800779	-0.057901536	-0.982155663
-0.102248409	-0.043136466	-0.052589625	-0.928343398
-0.092974671	-0.051539445	-0.059355248	-0.399417083
-0.026649298	-0.057041087	-0.077617393	-0.163944897
-0.080568055	-0.049255213	-0.075261044	-0.494282914
-0.099533988	-0.03867683	-0.067446967	-0.996542541
-0.0953637	-0.040001843	-0.047000898	-0.99332203
-0.098870151	-0.040511058	-0.054492631	-0.983293062
-0.106888303	-0.047989812	-0.039236899	-0.395909622
-0.074398647	-0.067148231	-0.035964843	-0.347807557
-0.130429073	-0.051103512	-0.068093878	-0.474932606
-0.102277359	-0.038487587	-0.059573677	-0.983775834
-0.095270768	-0.040793059	-0.04882046	-0.993868545
-0.099716023	-0.04377597	-0.052030718	-0.960119074
-0.087383992	-0.061702887	-0.044600723	-0.460345386
-0.061595458	-0.049680764	-0.054359523	-0.542764507
-0.108414261	-0.014111335	-0.036415784	-0.74274953

tBodyGyroJerk-std()-Y	tBodyGyroJerk-std()-Z	tBodyAccMag-mean()	tBodyAccMag-std()
-0.967907244	-0.95779016	-0.841929153	-0.795144864
-0.989518069	-0.987935806	-0.948536786	-0.927078419
-0.995137917	-0.992108467	-0.984278207	-0.981942929
-0.304468511	-0.404255453	-0.136971177	-0.219688646
-0.238824828	-0.26876148	0.027188291	0.019884351
-0.601696656	-0.606332002	-0.129927631	-0.324970929
-0.989567538	-0.988035821	-0.977435485	-0.972873913
-0.990889615	-0.985542326	-0.967893624	-0.953081444
-0.983447259	-0.973610118	-0.965875181	-0.957874965
-0.634140436	-0.435492677	-0.290407594	-0.422544169
-0.469396701	-0.218266319	0.08995112	0.215586335
-0.645491338	-0.467595961	-0.10732268	-0.205977045
-0.986762742	-0.98333828	-0.972791346	-0.964218176
-0.978635909	-0.973751671	-0.89538335	-0.8703017
-0.968433748	-0.958293012	-0.925430819	-0.915143304
-0.639087984	-0.53666408	-0.254690333	-0.328428937
-0.680947338	-0.374605412	-0.062812612	-0.041134008
-0.775774143	-0.573433948	-0.184014895	-0.333597433
-0.98685563	-0.98396536	-0.954557603	-0.931292217
-0.984441358	-0.968804832	-0.93569482	-0.914407845
-0.976065175	-0.957982019	-0.906478052	-0.890976683
-0.807419937	-0.640454133	-0.312050574	-0.527679103
-0.81685824	-0.325780074	-0.049161673	-0.081955904
-0.840722753	-0.556236585	-0.153703935	-0.2120123
-0.983759479	-0.989679592	-0.966777883	-0.958612786
-0.975433911	-0.964878513	-0.937978323	-0.920939028
-0.961177742	-0.944755343	-0.906104701	-0.879773801
-0.571438124	-0.157682544	-0.158338674	-0.377178733
-0.514591487	-0.034421747	0.211138854	0.205422376
-0.631822048	-0.282154378	0.043556202	-0.136736384
-0.95862882	-0.959579072	-0.918878851	-0.897326246
-0.961780726	-0.958787671	-0.949543531	-0.931572656
-0.962422164	-0.962758177	-0.945022876	-0.93931025
-0.416390246	-0.166684422	-0.166840714	-0.266734167
-0.193508405	0.193206499	0.333754731	0.373611914
-0.486494121	-0.170814791	0.017779097	-0.079150884
-0.976483727	-0.988871878	-0.936392024	-0.907039513
-0.981024681	-0.980954665	-0.918432107	-0.88195762
-0.976837757	-0.978166791	-0.942724659	-0.933590157
-0.174136411	-0.458302971	-0.097809044	-0.198554708
-0.299520205	-0.425200372	0.019879529	0.214544028
-0.67124374	-0.682184176	-0.198074438	-0.334744607
-0.974186452	-0.987601204	-0.935308634	-0.91325033
-0.988876277	-0.985241405	-0.952139704	-0.929943616
-0.985508765	-0.989270901	-0.953762884	-0.937187185
-0.4280557	-0.388446972	0.051678628	-0.180407283

-0.070452651	-0.189604444	0.176599312	0.131337867
-0.424675673	-0.430366659	0.121026629	-0.227200254
-0.962170242	-0.97707616	-0.930868438	-0.9151268
-0.971927447	-0.968738891	-0.893361718	-0.863756434
-0.97503653	-0.969726484	-0.945167482	-0.93610501
-0.549200228	-0.457881494	-0.09808405	-0.37942877
-0.448602451	-0.417239551	0.145886358	0.265120131
-0.708604775	-0.657114201	-0.260727581	-0.400222037
-0.96662104	-0.983949303	-0.95678182	-0.940301654
-0.992584495	-0.990259813	-0.9607572	-0.939669591
-0.976445017	-0.969051031	-0.951988908	-0.937264538
-0.509683328	-0.329079493	-0.127400912	-0.185602396
-0.471650978	-0.22713739	0.250843769	0.156998205
-0.604629058	-0.482244799	-0.026662329	-0.21153748
-0.990845725	-0.986549063	-0.98062118	-0.972891829
-0.98855482	-0.981016045	-0.961970764	-0.944581826
-0.995571631	-0.990663219	-0.984853837	-0.980305369
-0.737993756	-0.551079943	-0.288323472	-0.487735915
-0.684593319	-0.480559153	0.126227657	0.050774365
-0.809459437	-0.777173389	-0.132594624	-0.289592148
-0.965900371	-0.96995393	-0.948204676	-0.936542687
-0.979347831	-0.977138954	-0.952176621	-0.9475171
-0.971195487	-0.97368939	-0.941459935	-0.935232945
-0.581290691	-0.4806422	-0.10220455	-0.236972869
-0.517479109	-0.365232197	0.018313943	0.097260827
-0.761195613	-0.606412097	-0.229183927	-0.285844036
-0.978854747	-0.989801549	-0.960517768	-0.947944747
-0.99177335	-0.989861382	-0.957690564	-0.937935739
-0.980982661	-0.985177043	-0.971564243	-0.968519674
-0.3577609	-0.341765824	-0.135643868	-0.292546377
-0.259163248	-0.367089486	-0.02946343	-0.01560982
-0.678805916	-0.550880347	-0.101153502	-0.326339622
-0.968042894	-0.979711373	-0.90597825	-0.856593119
-0.986911324	-0.982819139	-0.944197944	-0.92549583
-0.970692956	-0.974687866	-0.943456847	-0.936735577
-0.536737702	-0.497187688	-0.144404672	-0.363805628
-0.28431802	0.091385755	0.185537707	0.428405923
-0.371479721	-0.359816627	0.140108204	-0.019768669
-0.980482834	-0.980112733	-0.955340662	-0.943314108
-0.990313308	-0.987937203	-0.958669836	-0.937977906
-0.988107414	-0.981293118	-0.961207616	-0.948600433
-0.702402936	-0.591668608	-0.186514651	-0.323878324
-0.574964116	-0.394542241	0.320449387	0.353204008
-0.763053512	-0.657907649	-0.000971395	-0.136552217
-0.989046576	-0.994465158	-0.961834635	-0.957895928
-0.990621793	-0.988364321	-0.961879681	-0.941051236
-0.992589441	-0.992698523	-0.969948825	-0.957294494

-0.712237753	-0.571264779	-0.258766694	-0.471809267
-0.583421785	-0.540633469	0.191079794	0.119183741
-0.774719066	-0.717101022	-0.233990332	-0.33479508
-0.983135597	-0.988221713	-0.953021411	-0.948257994
-0.994981881	-0.993841258	-0.972747346	-0.965065191
-0.993699909	-0.992327099	-0.977635981	-0.97537731
-0.560203489	-0.524422887	-0.151151488	-0.461837867
-0.572144734	-0.542770647	0.148951104	0.091407676
-0.676722848	-0.610586202	-0.012806228	-0.10287773
-0.990547639	-0.992548102	-0.986456242	-0.986464543
-0.994224162	-0.992814325	-0.983674152	-0.981595286
-0.991151973	-0.986259016	-0.972607495	-0.972285545
-0.694925789	-0.663259579	-0.287908078	-0.460346465
-0.752608622	-0.605655411	-0.293531974	-0.229934247
-0.828872171	-0.718951758	-0.279146313	-0.37184157
-0.984607729	-0.986958364	-0.966260807	-0.963193489
-0.987465915	-0.98531069	-0.962074066	-0.951755657
-0.988096672	-0.983453911	-0.960505684	-0.962549342
-0.291594828	-0.213494065	0.064817344	-0.099392717
-0.01462992	0.11664617	0.644604325	0.413472377
-0.492122219	-0.375414983	0.017381193	-0.177666828
-0.981540062	-0.986670534	-0.960743126	-0.939489445
-0.979684097	-0.979742084	-0.952738043	-0.937764028
-0.947633071	-0.948669855	-0.922406857	-0.910672095
-0.127554091	-0.227044327	0.039402281	-0.156930392
-0.334568788	0.003078546	0.221851588	0.172636361
-0.393988624	-0.25386709	0.008725025	-0.198269719
-0.981998498	-0.988749496	-0.952596583	-0.942186431
-0.989722664	-0.987954515	-0.974734999	-0.971994251
-0.976815894	-0.975427259	-0.958774298	-0.956919898
-0.48285431	-0.494927657	-0.123455662	-0.299709752
-0.442426841	-0.428337693	0.245771699	0.264341904
-0.604469604	-0.564149245	-0.081045319	-0.278474284
-0.980484171	-0.978636302	-0.934993799	-0.909407761
-0.980275619	-0.979544105	-0.942167354	-0.924336184
-0.984900134	-0.979753572	-0.954807661	-0.939866315
-0.651875469	-0.234278151	0.072241912	-0.161591787
-0.640280071	-0.358762129	0.330999222	0.133267479
-0.704255415	-0.515697759	0.210282608	-0.158757475
-0.979427763	-0.994908985	-0.962959197	-0.957871991
-0.980727445	-0.988130142	-0.944080773	-0.924963263
-0.972509523	-0.984654516	-0.957212267	-0.951669858
0.295945926	-0.374456768	-0.09887702	-0.209989355
0.146650122	-0.36786964	0.127211138	0.230363964
-0.493514122	-0.543765426	-0.011753687	-0.271893714
-0.978091313	-0.992381596	-0.971854043	-0.969354834
-0.989780811	-0.98985016	-0.968979156	-0.963779683

-0.981983572	-0.983276883	-0.950061018	-0.947901012
-0.51424657	-0.557968203	-0.299983614	-0.481064019
-0.519326735	-0.478690941	-0.073769916	-0.022483912
-0.646644374	-0.648975331	-0.226402822	-0.30685447
-0.971564323	-0.974242255	-0.560477776	-0.649254768
-0.991315768	-0.991491388	-0.970409337	-0.960003414
-0.98724214	-0.980722294	-0.972663592	-0.968075629
-0.799635384	-0.659576163	-0.40528943	-0.565601466
-0.810444542	-0.599481998	-0.220108595	-0.25946525
-0.839699143	-0.746268283	-0.305772199	-0.48000665
-0.989063342	-0.993759842	-0.976785042	-0.96435519
-0.993139834	-0.991929789	-0.953079994	-0.933602783
-0.98976699	-0.985992503	-0.968511694	-0.962697299
-0.587000111	-0.485543002	-0.223399172	-0.421848314
-0.547198438	-0.358951638	0.114379384	0.147001679
-0.725210291	-0.556390218	-0.142874499	-0.150707107
-0.993025877	-0.993296721	-0.982091652	-0.978920176
-0.992226442	-0.991766788	-0.979481669	-0.969526675
-0.990798008	-0.988970358	-0.972753287	-0.966360115
-0.634105503	-0.426346963	-0.238853875	-0.407355787
-0.459459296	-0.307268262	0.108071383	0.121176278
-0.711148438	-0.676876469	-0.160589356	-0.379948786
-0.980399782	-0.981418916	-0.95811223	-0.95457403
-0.980713869	-0.971001691	-0.955789709	-0.947782703
-0.972977007	-0.956497164	-0.925471652	-0.917658334
-0.639018554	-0.440927899	-0.18066602	-0.39269402
-0.424567878	-0.336212734	0.104359217	0.135465564
-0.690571102	-0.603568264	-0.186240504	-0.211928666
-0.997081576	-0.995380795	-0.986493197	-0.981572148
-0.995319165	-0.992833768	-0.978017022	-0.969290317
-0.995533113	-0.990685705	-0.984745319	-0.981745713
-0.587944298	-0.504130089	-0.095521339	-0.262695064
-0.693469036	-0.379769406	0.103705166	0.13448115
-0.734225192	-0.558417024	0.008343603	-0.041469605
-0.980357062	-0.980768875	-0.969829984	-0.960167907
-0.992491323	-0.988124496	-0.957487221	-0.942901467
-0.968135006	-0.970845671	-0.930573575	-0.916570441
-0.497621802	-0.476208796	-0.195140033	-0.359873412
-0.613796303	-0.498882854	-0.037390112	-0.013577121
-0.743336958	-0.665150619	-0.137627857	-0.327410816

tGravityAccMag-mean()	tGravityAccMag-std()	tBodyAccJerkMag-mean()	tBodyAccJerkMag-std()
-0.841929153	-0.795144864	-0.954396265	-0.928245628
-0.948536786	-0.927078419	-0.987364196	-0.984120024
-0.984278207	-0.981942929	-0.992367791	-0.993096209
-0.136971177	-0.219688646	-0.141428809	-0.07447175
0.027188291	0.019884351	-0.089447481	-0.02578772
-0.129927631	-0.324970929	-0.466503446	-0.478991622
-0.977435485	-0.972873913	-0.987741696	-0.985518076
-0.967893624	-0.953081444	-0.986774713	-0.984475868
-0.965875181	-0.957874965	-0.980489077	-0.97667528
-0.290407594	-0.422544169	-0.281424154	-0.164150985
0.08995112	0.215586335	0.005655163	0.229617185
-0.10732268	-0.205977045	-0.321268911	-0.217389395
-0.972791346	-0.964218176	-0.979484593	-0.976121298
-0.89538335	-0.8703017	-0.969080753	-0.966550084
-0.925430819	-0.915143304	-0.95930384	-0.948770043
-0.254690333	-0.328428937	-0.280009317	-0.139916355
-0.062812612	-0.041134008	-0.205239247	-0.092632449
-0.184014895	-0.333597433	-0.436901159	-0.439020592
-0.954557603	-0.931292217	-0.970095772	-0.960786431
-0.93569482	-0.914407845	-0.970132284	-0.96254911
-0.906478052	-0.890976683	-0.963370738	-0.958159482
-0.312050574	-0.527679103	-0.36670088	-0.316918956
-0.049161673	-0.081955904	-0.228851414	-0.216858922
-0.153703935	-0.2120123	-0.400922255	-0.437261478
-0.966777883	-0.958612786	-0.980141254	-0.977477145
-0.937978323	-0.920939028	-0.969320156	-0.965757732
-0.906104701	-0.879773801	-0.956863566	-0.942962048
-0.158338674	-0.377178733	-0.288333024	-0.282242277
0.211138854	0.205422376	-0.063752856	-0.029257051
0.043556202	-0.136736384	-0.247403477	-0.310186546
-0.918878851	-0.897326246	-0.954750505	-0.950341934
-0.949543531	-0.931572656	-0.962733502	-0.948181828
-0.945022876	-0.93931025	-0.967102436	-0.956099146
-0.166840714	-0.266734167	-0.195117026	-0.070602965
0.333754731	0.373611914	0.103845072	0.209502174
0.017779097	-0.079150884	-0.207379799	-0.169970363
-0.936392024	-0.907039513	-0.98012724	-0.967310932
-0.918432107	-0.88195762	-0.976559676	-0.970243274
-0.942724659	-0.933590157	-0.973381306	-0.968566356
-0.097809044	-0.198554708	-0.1929489	-0.027557329
0.019879529	0.214544028	-0.170319619	0.090183628
-0.198074438	-0.334744607	-0.458695232	-0.471265711
-0.935308634	-0.91325033	-0.97314749	-0.962954517
-0.952139704	-0.929943616	-0.986061512	-0.980667377
-0.953762884	-0.937187185	-0.984920798	-0.979932239
0.051678628	-0.180407283	-0.066832243	-0.184571054

0.176599312	0.131337867	0.26262849	0.253408256
0.121026629	-0.227200254	-0.141494613	-0.228296364
-0.930868438	-0.9151268	-0.963374549	-0.955026805
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-0.945167482	-0.93610501	-0.969524579	-0.963764178
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-0.242820756	-0.185528313	-0.499502759	-0.142843838	-0.043947307
-0.980631847	-0.982915952	-0.98735659	-0.977615703	-0.984269088
-0.988682108	-0.974057856	-0.974665817	-0.988659196	-0.971266063
-0.990121812	-0.961356141	-0.974146245	-0.992875825	-0.954381606
-0.308702374	-0.136783541	-0.312372595	-0.365256349	-0.26774155
0.082983155	-0.062672957	-0.241600361	0.194912717	-0.175647065
-0.417607401	-0.249688518	-0.418886395	-0.253504066	-0.079405982
-0.973930868	-0.958436369	-0.961115672	-0.967324864	-0.942003978
-0.979820143	-0.94635165	-0.952226787	-0.984956709	-0.939885478
-0.972519802	-0.893430393	-0.934503028	-0.98026749	-0.874469266
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-0.266101343	-0.190589069	-0.401732939	-0.233726644	-0.178554981
-0.986626999	-0.989034304	-0.989473927	-0.983432309	-0.990680395
-0.991093964	-0.969609502	-0.975623031	-0.990617521	-0.961693949
-0.99502404	-0.97334577	-0.984096025	-0.99660457	-0.968278553
-0.135819506	-0.034964233	-0.279734839	-0.190355977	-0.18206854
0.1106632	-0.021229372	-0.26669215	0.187438624	-0.239349054
-0.10979348	-0.196011504	-0.320487883	-0.079062531	-0.141258067
-0.974789999	-0.959974275	-0.970321992	-0.977045261	-0.9535584
-0.985008785	-0.954076042	-0.966274091	-0.983231005	-0.933992578
-0.972014051	-0.919475121	-0.938089775	-0.980426576	-0.885572782
-0.351402911	-0.193856664	-0.309558883	-0.344928112	-0.215634315
-0.106966957	-0.021663705	-0.258067367	-0.040525709	-0.093468261
-0.420402828	-0.297813769	-0.36751984	-0.326260358	-0.10429918

fBodyAcc-std()-Z	fBodyAcc-meanFreq()-X	fBodyAcc-meanFreq()-Y	fBodyAcc-meanFreq()-Z
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-0.97793726	0.086515362	0.117478949	0.244858586
-0.279686751	-0.207548374	0.113093646	0.04972652
-0.297927895	-0.307395199	0.063220084	0.294322701
0.085956554	-0.418735	-0.160697214	-0.520114794
-0.984792185	-0.146482793	0.257289466	0.402532553
-0.956862864	0.085192821	0.150193956	0.096064676
-0.946433584	0.108519183	0.062337807	0.1044625
-0.455222146	-0.14579549	0.198586467	0.068899521
-0.162032894	-0.27371161	0.011930961	0.090367855
-0.094544976	-0.281748011	-0.061889446	-0.236589092
-0.96327908	-0.073952644	0.238470751	0.216971672
-0.864322464	0.031298937	-0.006616306	0.047861959
-0.904801255	-0.087024832	-0.12818013	0.007718979
-0.422998474	-0.246614197	0.171743003	0.074853656
-0.389723034	-0.325863695	0.052906524	-0.056600304
-0.350797226	-0.461249741	-0.100019162	-0.278895911
-0.962154454	-0.274194619	0.366231449	0.201329592
-0.926999317	0.037381761	0.078786009	0.012094266
-0.887554318	0.062099996	-0.066987505	-0.037782277
-0.594198326	-0.138591637	0.012347734	-0.078789264
-0.512694303	-0.342285696	0.213581745	0.047837567
-0.345109818	-0.48681175	-0.066234848	-0.230536707
-0.965882191	-0.135632454	0.466528232	0.132310871
-0.92184351	-0.020933049	0.068459003	0.04031618
-0.858231388	-0.016406678	-0.008944132	-0.028287523
-0.483059957	-0.322382011	-0.002040511	0.024738973
-0.35339785	-0.453524501	0.036366239	-0.004372204
-0.289256659	-0.427706137	-0.122487324	-0.135264616
-0.924004748	-0.219729934	0.348418746	0.161457928
-0.925768476	0.003046954	0.12338183	0.08184553
-0.922067224	0.066452177	-0.086631998	0.020881508
-0.550474622	-0.196841737	0.022073419	0.185107042
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-0.912358814	-0.079704728	-0.159730059	0.00098894
0.133316828	-0.313727372	0.160434129	0.124630171
-0.100121493	-0.365650549	-0.031473662	0.082442424
-0.124912269	-0.43268459	-0.135079177	-0.273730521
-0.931146498	-0.307248374	0.005397544	0.192435787
-0.933889847	-0.164187373	0.107278339	0.060048458
-0.919744964	0.023115567	0.077184273	0.121181474
-0.158437342	-0.380892406	0.003561638	0.111947205

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-0.435304216	-0.263325918	0.243797497	0.258967966
-0.26868617	-0.32167905	0.066719252	0.257067314
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-0.985958517	0.089010242	0.055740898	0.292390246
-0.523093395	-0.373607932	0.012876103	0.040455756
-0.348626582	-0.400296382	-0.056189226	0.005314452
-0.11370177	-0.52447937	-0.189232159	-0.486549897
-0.948380834	-0.235607185	0.191372701	0.171474001
-0.935916958	0.032669972	0.002415163	-0.022615935
-0.914189184	0.063623757	-0.049328173	0.079824457
-0.452146694	-0.261426012	0.149107489	0.170802949
-0.487390127	-0.332249174	0.079332182	0.234833313
-0.418599992	-0.420235639	-0.105269654	-0.217216987
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-0.894055711	-0.442950365	-0.149752055	0.031344225
-0.917678155	-0.145044031	-0.090427527	-0.035795905
-0.917781859	-0.245905019	-0.138431167	0.002530226
0.085489214	-0.358804611	-0.143666881	-0.17552883
0.427563832	-0.349609936	-0.007777496	-0.098433994
0.687124164	-0.38913356	-0.366543122	-0.367877189
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-0.934652147	-0.007578596	0.149987934	0.131560421
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-0.950116956	-0.115141827	0.054607561	0.083446717
-0.962921073	0.028486629	0.13574905	0.18391363
-0.966999001	-0.032553255	0.045520774	0.107584734
-0.262391595	-0.414940956	0.008571381	-0.093332873
-0.245413542	-0.51456224	-0.155801014	-0.113333186
-0.204815711	-0.529234509	-0.156694375	-0.258321394
-0.987224804	-0.097527806	0.264460074	0.324275539
-0.975722121	0.051236327	0.17128988	0.171459482
-0.957216178	0.015669576	-0.043710454	-0.017642153
-0.439861578	-0.362107082	0.063930296	0.004883616
-0.41825865	-0.435841503	-0.140094304	-0.09765885
-0.26957139	-0.517596843	-0.249448649	-0.406885286
-0.984740998	-0.253188663	0.29249293	0.293722261
-0.947514932	-0.315288055	-0.007410602	-0.003578157
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-0.233872331	-0.176447542	0.05707673	0.351860012
-0.078363504	-0.323137202	0.012611351	0.293956387
-0.239980695	-0.344101732	0.019767416	0.048851292
-0.971901325	-0.213034276	0.274452421	0.27689854
-0.924947175	-0.061889036	-0.005009286	0.008738865
-0.91099586	-0.073279389	-0.164770676	-0.010380173
-0.266497727	-0.227319944	-0.003686026	0.23941463
-0.213916757	-0.497514722	-0.049495642	0.051186489
-0.242438965	-0.448492303	-0.155662086	-0.109083616
-0.940919007	-0.51703053	0.085748693	0.024988879
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-0.145081706	-0.437231469	-0.146948731	0.132318103
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-0.941163951	-0.224663531	0.087877583	0.21486942
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0.094794097	-0.234693625	0.013029852	0.17852097
0.104508756	-0.4169504	-0.188068414	-0.203507148
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-0.694100368	-0.403359505	-0.080009398	-0.031556226
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-0.237296741	-0.593367433	-0.379518455	-0.463511984
-0.984854488	-0.210237993	0.274378315	0.374613941
-0.94478134	-0.149017576	0.11283024	0.074531373
-0.960027796	0.091019127	0.002161849	0.145511757
-0.384445322	-0.29929391	-0.053962303	0.240364344
-0.346648518	-0.551438355	0.004440219	0.139974498
-0.400902256	-0.38439386	-0.231358959	-0.189088587
-0.986582388	-0.173719388	0.254636552	0.360078542
-0.963220673	-0.0585153	0.14462579	0.121635059
-0.958924794	0.137804855	0.065458312	0.091256398
-0.345515217	-0.301660254	0.154280392	0.248446349
-0.303090702	-0.390366905	0.05306111	0.154663328
-0.197338871	-0.465425792	-0.181356406	-0.261550401
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-0.933045478	-0.015548128	-0.019265557	-0.00273827
-0.897600801	0.000355353	-0.135430639	-0.12632536
-0.326046196	-0.375046889	-0.05612514	-0.01300588
-0.416940283	-0.351195268	0.011607621	0.202030312
-0.28168516	-0.378981881	-0.085228226	-0.192657392
-0.986378776	-0.087605971	0.328259355	0.334787399
-0.965800974	-0.028668741	0.107609318	0.210335313
-0.978802974	0.128678489	0.0047342	0.174524532
-0.283348101	-0.313574138	0.232676316	0.120197007
-0.262073242	-0.403870435	0.182897494	0.045375676
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-0.967188199	-0.222958353	0.070569109	0.230269754
-0.946203823	-0.122700487	0.007138151	0.092775024
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fBodyAccJerk-mean()-X	fBodyAccJerk-mean()-Y	fBodyAccJerk-mean()-Z	fBodyAccJerk-std()-X
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-0.980513202	-0.968752114	-0.979122344	-0.983122616
-0.974950363	-0.954170151	-0.970845669	-0.976283535
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-0.986083114	-0.989282517	0.194318821
-0.977605582	-0.988208262	0.296143728
-0.065517903	-0.417957994	-0.26872235
-0.163243978	-0.474755492	-0.331351998
-0.450116431	-0.657139421	-0.361648357
-0.981117467	-0.974530843	0.10429202
-0.963990426	-0.978327769	0.147680902
-0.93699128	-0.973572052	0.146890849
-0.191757504	-0.574579749	-0.353217732
-0.00175392	-0.488488352	-0.276941824
-0.349026568	-0.687907634	-0.232074538
-0.990468083	-0.99310776	0.138616313
-0.985493319	-0.990445862	0.277955333
-0.984782782	-0.991316375	0.30325491
-0.155020661	-0.529034897	-0.201300455
-0.120381521	-0.547320887	-0.270161023
-0.408648947	-0.710116592	-0.379789332
-0.972434197	-0.982281553	0.041038151
-0.981902116	-0.988971212	0.136689127
-0.960442361	-0.973954338	0.060834105
-0.289466095	-0.575410267	-0.268877782
-0.217432019	-0.535515048	-0.30711665
-0.610826602	-0.78475388	-0.443696329

fBodyAccJerk-meanFreq()-Y	fBodyAccJerk-meanFreq()-Z	fBodyGyro-mean()-X
0.024513619	0.024387945	-0.850249175
0.047543784	0.092392003	-0.976161464
0.039161895	0.138581479	-0.986386786
-0.386237143	-0.185530281	-0.339032197
-0.337589701	0.009372239	-0.352449631
-0.509495532	-0.551104284	-0.492611668
0.121206424	0.190558218	-0.986431143
0.026244865	0.092903063	-0.98262139
-0.056936829	0.039649818	-0.967037112
-0.263574018	-0.254846439	-0.429713536
-0.357514502	-0.234703932	-0.14577597
-0.287688885	-0.374218485	-0.331643577
-0.013177496	0.044819691	-0.970167263
-0.095914873	-0.043747343	-0.957550638
-0.25816481	-0.112367642	-0.901282268
-0.258667985	-0.346946648	-0.437845764
-0.356023307	-0.274421716	-0.129066574
-0.45378982	-0.442664136	-0.378216682
0.098742884	0.077021117	-0.967203736
-0.075289966	0.012245577	-0.960589636
-0.126450633	0.071105663	-0.905464162
-0.385880863	-0.325737504	-0.373384541
-0.181293185	-0.169702261	-0.240298893
-0.392701926	-0.319649297	-0.371068993
0.195677336	0.091693879	-0.975797492
-0.131861736	-0.064496073	-0.957117252
-0.143681805	-0.033363702	-0.909661802
-0.534049823	-0.344150925	-0.37266875
-0.470994737	-0.303523361	-0.295345101
-0.57700936	-0.339640933	-0.263615096
-0.022202946	0.078468403	-0.93543977
-0.150934459	-0.091348467	-0.939671401
-0.251013912	-0.071533989	-0.931612384
-0.466305754	-0.104129449	-0.239650711
-0.484343661	-0.034825425	0.063371605
-0.50117034	-0.401683802	-0.115065008
-0.045134262	0.094560585	-0.953684548
-0.081502132	-0.085752758	-0.943631758
-0.188479735	-0.089160206	-0.938121638
-0.287013819	-0.24483172	-0.318395105
-0.414196284	-0.382024152	-0.33930147
-0.425313822	-0.627555474	-0.383889343
0.006672864	0.12024874	-0.957903886
0.0527157	0.008837681	-0.98220031
-0.059819558	0.069283124	-0.969677436
-0.419277901	-0.247485399	-0.102063054

-0.337650965	-0.180391339	-0.130740445
-0.344029932	-0.368783012	-0.240260762
-0.22709367	-0.09437436	-0.930297921
-0.271900851	-0.267665735	-0.950315237
-0.098189403	-0.128067958	-0.916974438
-0.389047304	-0.366570478	-0.383676121
-0.232042826	-0.330318262	-0.325042891
-0.529275972	-0.547022216	-0.313941631
0.04259423	0.146112722	-0.953793912
-0.026185927	0.117530737	-0.986477363
-0.187095243	0.005628739	-0.924005913
-0.148445687	0.055799091	-0.277913781
-0.297763024	0.018982166	-0.21435028
-0.37085483	-0.328583308	-0.218524717
0.003449996	0.030016945	-0.976187471
-0.080505803	0.075598263	-0.985106875
-0.030509414	0.120740566	-0.978301717
-0.427889403	-0.092391951	-0.514753308
-0.455972776	-0.244414661	-0.318777013
-0.461641074	-0.48249712	-0.471782782
-0.017661749	0.023950446	-0.956653887
-0.098733235	-0.056830654	-0.968528985
-0.174967085	0.01138206	-0.890292711
-0.223460713	-0.182007552	-0.401975932
-0.386695904	-0.098562311	-0.178856167
-0.380249905	-0.323446377	-0.426360332
0.0656537	0.058418307	-0.96946349
-0.001932843	0.092110603	-0.983218203
-0.047896	0.106886231	-0.957154108
-0.447119511	-0.204509715	-0.192856474
-0.456641239	-0.304013848	-0.319677125
-0.586022409	-0.504002904	-0.482113008
-0.231153334	-0.088792248	-0.949959041
-0.232143579	-0.149511317	-0.978577118
-0.212196767	-0.069082605	-0.957111767
-0.363463832	-0.323114422	-0.508595852
-0.306938978	-0.295300086	-0.295315542
-0.487347927	-0.521529495	-0.441048359
0.014105683	0.001033973	-0.955413596
-6.70E-06	0.039756002	-0.98615258
-0.1736151	0.065047508	-0.950380286
-0.330560048	-0.186832027	-0.25339936
-0.386323444	-0.117402353	-0.227359565
-0.468496864	-0.313514802	-0.361096857
-0.018579919	0.06520786	-0.975892407
-0.027202813	0.011017371	-0.978632857
-0.011075703	-0.005277779	-0.973157352

-0.396511934	-0.453928998	-0.595746486
-0.417064209	-0.376637687	-0.420844009
-0.535799235	-0.519560112	-0.532399716
0.027930588	0.026575233	-0.971949211
0.0885339	0.099508167	-0.988411068
0.073998732	0.084722621	-0.980696264
-0.400493416	-0.446731877	-0.407716709
-0.559085846	-0.452939005	-0.316412963
-0.474055998	-0.552822976	-0.416223018
0.055169281	0.166856209	-0.992436928
0.006871954	0.043743888	-0.9899615
-0.157432016	0.004089661	-0.964428926
-0.337293285	-0.206330044	-0.609673434
-0.430209135	-0.313077962	-0.489232275
-0.466043114	-0.512443088	-0.59232371
0.083822703	0.117028928	-0.974196218
-0.09257591	0.018538185	-0.981743665
-0.112513812	0.028630864	-0.947865639
-0.38809589	-0.005404424	0.228142362
-0.387547819	-0.116947002	0.474962448
-0.364347951	-0.187567271	-0.19448551
0.021220187	0.028492921	-0.982619404
-0.124408291	-0.083122975	-0.969913284
-0.316121169	-0.07829316	-0.881019425
-0.475080055	-0.152723042	-0.093624869
-0.498526976	-0.480248954	-0.06295726
-0.553407266	-0.448063673	-0.372684354
-0.025755131	0.043929421	-0.973410473
-0.011845625	0.025036037	-0.98489356
-0.115773474	-0.049404859	-0.956989964
-0.364918894	-0.296175012	-0.246657383
-0.431506656	-0.304566055	-0.366748753
-0.297830831	-0.395904944	-0.446974007
-0.121964795	0.041552345	-0.95336692
-0.060538515	-0.035535553	-0.977266731
-0.243211291	-0.02661513	-0.917018099
-0.078788226	-0.003916088	-0.144648652
-0.400892381	-0.198861107	-0.095434934
-0.270497676	-0.161561379	-0.195456993
0.098274577	0.230107946	-0.979676078
-0.043859743	0.032313271	-0.977149987
-0.087829593	-0.098828324	-0.947510436
-0.278843951	-0.366737657	-0.337619203
-0.1819092	-0.179004311	-0.214730713
-0.357319837	-0.443171315	-0.430239229
0.075304113	0.086269203	-0.976570564
-0.088446399	-0.004461784	-0.985676524

-0.131947804	0.081477375	-0.958540187
-0.439634006	-0.400928134	-0.468295081
-0.415305378	-0.297520698	-0.272469212
-0.508876718	-0.426530075	-0.503188685
-0.279813646	-0.109253587	-0.890517539
-0.040813019	0.058716622	-0.988002552
-0.108166389	0.086807889	-0.968078525
-0.546138786	-0.463291946	-0.41190972
-0.544902333	-0.423798006	-0.217799724
-0.601971415	-0.612389228	-0.476144999
0.127044302	0.148820984	-0.988386325
0.046639017	0.054878446	-0.990144882
-0.085458542	0.049295797	-0.969364269
-0.408094837	-0.245889005	-0.368112906
-0.456679627	-0.345015792	-0.125918155
-0.477676636	-0.378521915	-0.427686571
0.062993066	0.148092919	-0.987028539
-0.010579496	0.034772784	-0.987207905
-0.032923098	0.055479502	-0.970149629
-0.226365824	-0.199017302	-0.498017935
-0.29465171	-0.20334131	-0.296628612
-0.372671805	-0.454277803	-0.544369229
0.001086094	0.038219081	-0.946804235
-0.211341156	-0.089627681	-0.973724326
-0.350627823	-0.119606463	-0.880426103
-0.492410733	-0.301043748	-0.374681072
-0.393681485	-0.073632511	-0.029996996
-0.362750972	-0.307201518	-0.403636284
0.134734985	0.165235128	-0.993122609
0.027739672	0.117192324	-0.988393569
-0.055873724	0.148596745	-0.97448545
-0.069903885	0.006485879	-0.431490048
-0.206525791	-0.135910897	-0.189418001
-0.44424872	-0.514054756	-0.26051929
-0.141961208	0.065053685	-0.971789053
-0.127783839	-0.021487477	-0.987034626
-0.265980374	-0.060664153	-0.915742855
-0.274838925	-0.201229693	-0.3744403
-0.425051655	-0.168340698	-0.263061628
-0.53674384	-0.626167597	-0.488039003

fBodyGyro-mean()-Y	fBodyGyro-mean()-Z	fBodyGyro-std()-X	fBodyGyro-std()-Y	fBodyGyro-std()-Z
-0.952191495	-0.909302721	-0.882296451	-0.951232049	-0.916582508
-0.975838585	-0.951315544	-0.977904227	-0.962345043	-0.943917841
-0.988984456	-0.980773123	-0.987497129	-0.987107728	-0.98234533
-0.103059416	-0.25594094	-0.516691939	-0.03350816	-0.436562227
-0.055702252	-0.031869427	-0.495422486	-0.181414729	-0.238443565
-0.319474609	-0.453597213	-0.565892491	0.151538906	-0.57170784
-0.983321635	-0.962671888	-0.988860686	-0.981910616	-0.963174222
-0.982100924	-0.959814822	-0.986808502	-0.977356189	-0.96352266
-0.972576153	-0.960627696	-0.974988125	-0.97103605	-0.969754296
-0.554772112	-0.396659907	-0.604053019	-0.533046953	-0.559856635
-0.361913824	-0.087494474	-0.379436674	-0.458732747	-0.422987665
-0.488086124	-0.248601122	-0.476358846	-0.459758489	-0.218072471
-0.978099682	-0.962341961	-0.975986434	-0.977032495	-0.967256854
-0.95617355	-0.934967959	-0.968013063	-0.939609988	-0.930633151
-0.937711157	-0.916172538	-0.901985672	-0.923125941	-0.919743846
-0.561526265	-0.418126217	-0.61512137	-0.568888673	-0.545896388
-0.542694164	-0.302866461	-0.308630331	-0.55309454	-0.548164313
-0.637293508	-0.431503362	-0.484820991	-0.556045947	-0.56109765
-0.972187839	-0.961479263	-0.975094739	-0.9561825	-0.965807467
-0.967583648	-0.933776892	-0.973333107	-0.954120419	-0.932868354
-0.955992945	-0.915280955	-0.912464794	-0.94582584	-0.916651631
-0.688460057	-0.601381129	-0.542646759	-0.65465777	-0.716458475
-0.71754584	-0.318306481	-0.414919001	-0.691518367	-0.621658471
-0.684310202	-0.350765737	-0.483548693	-0.489824279	-0.424533512
-0.978249646	-0.963202948	-0.98070577	-0.977257801	-0.963305738
-0.955460359	-0.938003426	-0.969390369	-0.947571472	-0.947346477
-0.939373524	-0.907190837	-0.912780916	-0.931857811	-0.916789356
-0.513951718	-0.213127031	-0.52939279	-0.502683381	-0.420367075
-0.382483075	-0.034175028	-0.514940941	-0.431552775	-0.374705187
-0.516609047	-0.139801393	-0.50168558	-0.403486393	-0.380378007
-0.941771544	-0.932636613	-0.962164979	-0.945365098	-0.947136774
-0.943857393	-0.934764895	-0.963407047	-0.94490147	-0.947326798
-0.943273146	-0.943239602	-0.952817395	-0.942539174	-0.954455702
-0.341378429	-0.203575459	-0.515323854	-0.332008707	-0.512209234
-0.130327466	0.152845249	-0.286724915	-0.235470976	-0.275667263
-0.32965378	-0.046414211	-0.390248128	-0.313618571	-0.309998085
-0.957570208	-0.956905311	-0.962348254	-0.939727874	-0.958876413
-0.956678065	-0.947419933	-0.942726423	-0.93824472	-0.939826018
-0.957548671	-0.957165056	-0.947891986	-0.945818158	-0.954339406
-0.151966687	-0.366733618	-0.563615257	-0.290859379	-0.463270018
-0.214443073	-0.299600268	-0.432730974	-0.351717743	-0.495120053
-0.567920266	-0.408150267	-0.368636961	-0.579964615	-0.393062891
-0.95741116	-0.967461239	-0.967846361	-0.950316471	-0.970671966
-0.97658989	-0.961798677	-0.985339302	-0.968924433	-0.962632254
-0.972595487	-0.975512277	-0.974200998	-0.968055496	-0.975976456
-0.259729692	-0.132902199	-0.234252006	-0.190805722	-0.142974235

0.116090879	0.027749807	-0.302735103	-0.046135632	-0.268253406
-0.113162144	0.165974187	-0.409955581	-0.047880251	0.263202878
-0.934579659	-0.959815009	-0.94638915	-0.923131937	-0.965686312
-0.939693008	-0.940312313	-0.961836016	-0.910583361	-0.934187478
-0.954514302	-0.941510336	-0.924738576	-0.941950577	-0.944942812
-0.436905861	-0.240222512	-0.507404513	-0.490990336	-0.342367223
-0.312512195	-0.250686587	-0.423558774	-0.364282566	-0.356561472
-0.499159203	-0.327698671	-0.361626377	-0.352033092	-0.165554554
-0.954670034	-0.969755777	-0.964544566	-0.953453497	-0.975298797
-0.986179216	-0.96539547	-0.989712361	-0.983579647	-0.96241856
-0.960323801	-0.950915731	-0.932273943	-0.958399858	-0.958901257
-0.345209035	-0.10853003	-0.458292933	-0.204392822	-0.273292866
-0.27249571	0.039136681	-0.339514358	-0.343237004	-0.150391638
-0.235858986	-0.262763367	-0.34130162	0.171735785	-0.403822083
-0.982640272	-0.961434421	-0.982424585	-0.982660632	-0.963183903
-0.982636645	-0.954453821	-0.989189513	-0.982137919	-0.956802767
-0.994025488	-0.980762968	-0.981009116	-0.994353087	-0.982308781
-0.593107398	-0.398293337	-0.623150269	-0.453663184	-0.498554639
-0.528254524	-0.273459112	-0.397722758	-0.481127495	-0.397220471
-0.581167154	-0.674671879	-0.517811646	-0.153787851	-0.729928729
-0.95256172	-0.945673242	-0.969254585	-0.955343676	-0.956424382
-0.963725249	-0.955718184	-0.976339901	-0.959040696	-0.954769878
-0.948251857	-0.952601953	-0.884385204	-0.938529854	-0.954335764
-0.467886338	-0.317282484	-0.593142882	-0.44379833	-0.422256521
-0.420631474	-0.212767364	-0.422363238	-0.518923135	-0.44851299
-0.604711316	-0.406080936	-0.560462964	-0.483918391	-0.396095719
-0.968689729	-0.96912688	-0.973446792	-0.959944126	-0.969797215
-0.982456054	-0.968384416	-0.986714694	-0.978270709	-0.969451755
-0.97291308	-0.974394378	-0.955818412	-0.971425151	-0.975533268
-0.256213555	-0.276607955	-0.435714711	-0.318618506	-0.455333901
-0.133828887	-0.212906663	-0.452190387	-0.249660329	-0.427008254
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0.180832984	-0.362824435	0.061951179
-0.172300403	-0.376915788	-0.02016565
-0.291046727	-0.666814815	-0.201814801
-0.066179397	-0.239924763	0.067468147
-0.015402243	-0.312781565	-0.050384125
-0.393526161	-0.30234871	-0.248631168
-0.207685653	-0.380731547	-0.262650741
-0.395770151	-0.286467078	-0.252762857
-0.336954241	-0.642703958	-0.483683271

fBodyAccMag-mean()	fBodyAccMag-std()	fBodyAccMag-meanFreq()
-0.861767648	-0.79830094	0.086408563
-0.947782923	-0.928444802	0.236655012
-0.985356361	-0.982313805	0.284555291
-0.128623451	-0.398032587	0.190643724
0.096584534	-0.186530301	0.119187143
-0.352395945	-0.416260102	-0.09774335
-0.975110196	-0.975121388	0.266298213
-0.961273748	-0.955575602	0.130934203
-0.964052166	-0.960519381	0.119649964
-0.324289428	-0.577105212	0.393206208
0.293424827	-0.021478788	0.09383213
-0.145318539	-0.366728244	0.107680395
-0.965524275	-0.968350217	0.236990128
-0.904185726	-0.874626592	0.028160079
-0.926968932	-0.921836077	-0.000332754
-0.290031535	-0.456373081	0.113494313
0.02894132	-0.233849422	0.043961669
-0.315866079	-0.447994369	0.023821875
-0.939389701	-0.937187976	0.2416979
-0.929002095	-0.91981571	0.028092111
-0.917614015	-0.895340042	-0.102971758
-0.450804558	-0.651172628	0.38209641
-0.019074335	-0.26364403	0.101078171
-0.276825498	-0.301005898	-0.108017172
-0.962234984	-0.962525369	0.292032095
-0.936290605	-0.925669291	0.058607517
-0.904641393	-0.886745171	-0.016942232
-0.304992489	-0.519636926	0.149852522
0.155742169	0.042853362	-0.013705507
-0.169261525	-0.254091927	-0.020494854
-0.912351652	-0.90537398	0.144605087
-0.935750391	-0.939547203	0.128902046
-0.945949804	-0.944564108	0.037354219
-0.201386608	-0.421683094	0.200090364
0.395958035	0.144622757	0.106479482
-0.08194794	-0.222161434	-0.014015435
-0.927976881	-0.910542463	-0.129091025
-0.908956776	-0.886915638	-0.011233011
-0.94561145	-0.937287965	-0.028845177
-0.15124365	-0.351706781	0.172997884
0.218911066	0.021444098	0.003802981
-0.378618762	-0.415307107	-0.089227815
-0.932279646	-0.917257979	0.048498846
-0.947981783	-0.93172124	0.121543001
-0.953746071	-0.938628186	0.110646846
-0.095217283	-0.360818979	0.204080888

0.301626757	-0.156141094	0.22914457
-0.130264519	-0.409282852	0.20707129
-0.926604295	-0.921929738	-0.085609052
-0.897718197	-0.869172511	-0.080613444
-0.946330172	-0.940265546	0.023573871
-0.318801023	-0.513891953	0.161672989
0.222203941	0.088867167	-0.04982739
-0.372890349	-0.509929461	-0.001954275
-0.950848109	-0.944304975	0.260388946
-0.955281011	-0.941511953	0.221566081
-0.940110168	-0.945048243	0.090245467
-0.093023742	-0.370471944	0.179599865
0.220115703	-0.061674284	0.164428829
-0.166866722	-0.361437535	0.087904962
-0.973994005	-0.976037696	0.336010661
-0.953066009	-0.948521986	0.198648837
-0.982255414	-0.98150397	0.233078227
-0.458514063	-0.584455992	0.093581805
0.090280758	-0.13712306	0.031672568
-0.336061027	-0.376027879	-0.137089383
-0.94386744	-0.942133255	0.081808385
-0.955944253	-0.950647189	0.004878358
-0.945217803	-0.939741929	0.04689887
-0.153116003	-0.408896299	0.252267753
0.148017269	-0.105124972	0.078615024
-0.290005419	-0.395285131	-0.001118437
-0.959535494	-0.949431319	0.081511122
-0.95690156	-0.938529931	0.150538937
-0.972393559	-0.970445379	0.093605984
-0.234600866	-0.438388953	0.253532326
0.052879188	-0.210912766	0.08214114
-0.367522801	-0.409065516	-0.150904724
-0.899463669	-0.859606047	-0.131771173
-0.940589853	-0.929193937	0.01536805
-0.94971506	-0.93979987	-0.037470278
-0.373516771	-0.457490009	-0.036832791
0.471905155	0.178684581	0.000464165
-0.075985181	-0.143253889	-0.168723818
-0.956001034	-0.94550856	0.127358411
-0.949752001	-0.941195938	0.157506319
-0.960337344	-0.950204046	0.032896107
-0.275156242	-0.458344792	0.078225606
0.331150229	0.153124178	-0.058178855
-0.165242148	-0.255659341	-0.038301781
-0.968020521	-0.958111896	-0.12130234
-0.958335481	-0.94258825	0.240617264
-0.971082558	-0.957173572	0.09249214

-0.410463242	-0.592150985	0.175600478
0.114032089	-0.053413718	0.020139185
-0.370649738	-0.418924256	-0.093739681
-0.961046326	-0.949042532	-0.049467821
-0.973626755	-0.96539968	0.126009669
-0.980967748	-0.975504841	0.119058408
-0.429380043	-0.565162508	0.174349228
0.058068052	-0.061887677	-0.055363375
-0.150305643	-0.217393171	-0.184408515
-0.986788412	-0.987648484	0.339472649
-0.984781467	-0.982226152	0.304581057
-0.976797646	-0.973264854	0.044792849
-0.424386734	-0.565563057	0.131646853
-0.241973535	-0.344299434	-0.076840598
-0.436561064	-0.436218933	-0.218615528
-0.971957401	-0.964056774	0.168481197
-0.962632578	-0.952802278	-0.053858014
-0.968910789	-0.964259111	0.001781127
0.03222723	-0.324793406	0.307394951
0.586637551	0.082863062	0.226461674
-0.079628763	-0.368253499	0.167004804
-0.952827071	-0.941894086	0.187758019
-0.946913452	-0.942151232	0.040866354
-0.921225595	-0.91865188	-0.078436769
-0.003533418	-0.389934004	0.291882701
0.151887747	0.000242175	-0.102474919
-0.205009295	-0.320241012	0.027468645
-0.953769071	-0.944449071	-0.101802809
-0.974829227	-0.974447593	0.25006269
-0.962291334	-0.960041844	0.094766646
-0.251266389	-0.438149791	0.232789921
0.239895894	0.079127139	0.011702086
-0.257894449	-0.403357612	0.029334839
-0.929818991	-0.913267251	0.098829043
-0.943078237	-0.92679803	-0.054367272
-0.949044483	-0.943739135	-0.072935954
-0.024158496	-0.381399308	0.368620829
0.155526859	-0.057520261	0.130782546
-0.086690512	-0.334126221	0.29374477
-0.967747053	-0.958465695	0.035932117
-0.94583783	-0.927090118	0.162284908
-0.957986177	-0.955291356	0.061188989
-0.094260631	-0.407577516	0.281811709
0.364829993	-0.045393035	0.167846646
-0.231382662	-0.410047643	-0.011161928
-0.973171068	-0.971063024	0.081124557
-0.968905031	-0.965852262	0.094383169

-0.960066088	-0.949522556	-0.049998638
-0.434618912	-0.590265846	0.153588268
-0.023170163	-0.175291709	-0.036441608
-0.322300989	-0.406283378	-0.113727065
-0.774481944	-0.651353242	-0.241575056
-0.967017993	-0.961997268	0.194658204
-0.972355393	-0.97020366	0.153959875
-0.566060023	-0.632927476	0.05264931
-0.288154788	-0.35943708	-0.172165638
-0.527907562	-0.536120293	-0.273261579
-0.969269114	-0.966576632	0.277268279
-0.952411044	-0.934587699	0.089079748
-0.97060525	-0.963909299	0.066374819
-0.379836743	-0.537183967	0.1743981
0.075101685	0.005749437	-0.152993476
-0.167566383	-0.274226227	-0.017224039
-0.981389018	-0.980296339	0.368679681
-0.974766467	-0.970885297	0.207855627
-0.973186182	-0.967529105	0.177825303
-0.327229406	-0.550392605	0.243535984
0.149816459	-0.071212004	0.064020452
-0.393928937	-0.468707735	-0.01268425
-0.961035588	-0.957564019	0.038386092
-0.953928124	-0.952281424	0.029199977
-0.929146479	-0.923857158	-0.088659428
-0.352156842	-0.511573671	0.107450069
0.188840008	-0.074058598	0.040697721
-0.213519365	-0.334626169	0.020204764
-0.986800645	-0.981599784	0.435846932
-0.973346532	-0.97121802	0.250970928
-0.984548095	-0.982247716	0.179958312
-0.235683306	-0.393257505	0.099826656
0.115973968	-0.033086811	0.020422311
-0.108306403	-0.155993756	-0.145077641
-0.96284082	-0.964051811	0.17601722
-0.959923388	-0.943543733	0.0705937
-0.932047451	-0.921733233	-0.111500209
-0.342363773	-0.469852795	0.04831617
0.00410151	-0.178535173	-0.072482765
-0.400588354	-0.394508081	-0.31233803

fBodyBodyAccJerkMag-mean()	fBodyBodyAccJerkMag-std()	fBodyBodyAccJerkMag-meanFreq()
-0.933300361	-0.921803976	0.266391154
-0.985262127	-0.981606177	0.351852202
-0.992542478	-0.992536003	0.422220102
-0.0571194	-0.103492403	0.093822181
0.026218495	-0.104052261	0.076491547
-0.442652162	-0.533059854	0.085352409
-0.985374115	-0.984568489	0.341758575
-0.983874699	-0.984124186	0.280062424
-0.977065296	-0.97516046	0.304871865
-0.169064353	-0.164091969	0.207500927
0.22224741	0.227480733	0.018835511
-0.189511137	-0.260423839	-0.011916823
-0.975949598	-0.975305378	0.238611134
-0.965888892	-0.966568853	0.28679577
-0.948627468	-0.948206814	0.129816298
-0.186764517	-0.08985199	-0.117163983
-0.049477977	-0.159102288	0.043496784
-0.412920898	-0.480609202	0.090494409
-0.962287125	-0.958037119	0.27402735
-0.962500734	-0.961584519	0.227198015
-0.956139284	-0.960032499	0.201262207
-0.318587811	-0.320458701	0.111486485
-0.175295287	-0.280426777	0.092623694
-0.397406285	-0.497324087	0.049746274
-0.97735638	-0.976381935	0.197005001
-0.964440302	-0.966545323	0.245936717
-0.941825903	-0.94360196	0.140971601
-0.269481661	-0.305685376	-0.004972878
0.009183943	-0.0897357	0.110968065
-0.264674939	-0.378616676	0.1245133
-0.948655471	-0.951552664	0.182525078
-0.948348654	-0.9473047	0.17184452
-0.955914005	-0.955381579	0.190943682
-0.055401423	-0.09649997	-0.009228846
0.243834259	0.154808861	-0.001606595
-0.169868234	-0.177734841	-0.061237841
-0.968066259	-0.965359228	0.217605287
-0.970954184	-0.968494868	0.181229725
-0.967417888	-0.969092162	0.25675944
-0.03841873	-0.022138358	-0.012744637
0.067389886	0.10785684	-0.03738444
-0.454783247	-0.497441363	0.045863646
-0.961792852	-0.963791094	0.350822601
-0.980932292	-0.979320212	0.306787561
-0.979745872	-0.979135441	0.308060634
-0.12383441	-0.27643613	0.176189876

0.33152846	0.134734731	0.181422536
-0.131850567	-0.3792665	0.274549259
-0.954320586	-0.955094712	0.167002983
-0.953050441	-0.949394981	0.09747002
-0.963242884	-0.96359316	0.200537688
-0.316870716	-0.322337537	0.159239939
0.007168779	0.070552614	-0.08245046
-0.419533109	-0.484935752	0.025759746
-0.968561122	-0.965377553	0.212826188
-0.985900801	-0.983266741	0.324762093
-0.95163369	-0.952105965	0.197319525
0.020518952	0.050208763	-0.071285394
0.156978047	0.03802667	0.125205953
-0.153553147	-0.334365044	0.178734933
-0.976940775	-0.975126531	0.295747895
-0.975315332	-0.972289134	0.192259108
-0.988636595	-0.988021231	0.33309893
-0.395116134	-0.417446816	0.084454308
-0.097454997	-0.173661754	0.033747518
-0.475928502	-0.513703461	0.01490148
-0.962448419	-0.961653004	0.157065117
-0.971715269	-0.972951443	0.255191493
-0.96085901	-0.964145595	0.176598693
-0.029912425	-0.013953909	0.018449462
0.076996837	0.042063125	0.041524421
-0.320884463	-0.346565142	0.08422627
-0.980754386	-0.97804435	0.300750658
-0.988348535	-0.988332303	0.360646363
-0.981977536	-0.980621263	0.298745382
-0.152111501	-0.113591924	0.118031209
-0.028215666	-0.070989384	0.026643425
-0.425100007	-0.491090809	-0.027838009
-0.967988596	-0.963607434	0.175722997
-0.972985343	-0.972959409	0.1984141
-0.970214126	-0.969677516	0.214251896
-0.431591453	-0.453426009	0.164708201
0.186223478	0.194263424	-0.001709236
-0.288744334	-0.409847649	0.039928833
-0.973681223	-0.972530078	0.273485129
-0.984689437	-0.983276252	0.242818344
-0.979078786	-0.980184087	0.293685314
-0.289753952	-0.342411928	0.016417063
0.158413335	0.150507751	-0.079965614
-0.26195668	-0.391313399	0.100960098
-0.987514525	-0.98724716	0.353266128
-0.983968636	-0.982190555	0.320055145
-0.986502688	-0.985912717	0.344673907

-0.378278491	-0.441447755	0.092199914
-0.074565908	-0.091962337	-0.014841444
-0.475597718	-0.51993124	0.067344371
-0.979687319	-0.979657231	0.374273669
-0.99142725	-0.990319626	0.381521255
-0.990162799	-0.989472087	0.426849041
-0.335938892	-0.21123186	0.027410327
-0.1886804	-0.236538516	-0.044594637
-0.360299853	-0.437383108	-0.089013615
-0.988548418	-0.989710657	0.393635924
-0.990407076	-0.991044298	0.45909085
-0.984987073	-0.986277357	0.36101397
-0.414037751	-0.444453486	0.089329359
-0.383398713	-0.386565072	0.005930036
-0.574481397	-0.587926077	-0.029034255
-0.980621564	-0.979452188	0.21131715
-0.983751647	-0.983687273	0.268456602
-0.979135413	-0.979179149	0.290737135
0.073017993	-0.022286959	0.124998092
0.538404846	0.316346415	0.174679438
-0.187391317	-0.43467125	0.296851347
-0.979695458	-0.979565197	0.262706879
-0.971730463	-0.972597744	0.229713243
-0.940007897	-0.936025033	-0.006134149
0.054526949	-0.031065027	0.086481777
0.013791715	0.07903798	-0.11287628
-0.215014032	-0.280450027	-0.020223109
-0.978444124	-0.977604879	0.299647661
-0.985342359	-0.98699155	0.327937039
-0.970634296	-0.971926117	0.291946372
-0.14400989	-0.018673441	0.201672106
0.11244262	0.063205315	0.010640736
-0.355443707	-0.47772185	0.167901535
-0.962654792	-0.955635614	0.208852833
-0.968908297	-0.967026276	0.207314701
-0.959743878	-0.95665396	0.106970243
0.065972729	0.158286745	0.097646181
0.022478354	-0.118530349	0.138397616
-0.045802036	-0.151299836	0.187559363
-0.985905704	-0.986540201	0.338094711
-0.974121467	-0.972117017	0.199533745
-0.973798156	-0.975053688	0.2616558
-0.01807057	-0.045737233	0.151735846
0.335009724	0.224480504	0.057987422
-0.302968065	-0.454324845	0.148281881
-0.983108084	-0.983285116	0.347309299
-0.984469963	-0.98561372	0.35354437

-0.972251355	-0.97319551	0.293291553
-0.418641047	-0.402979984	0.102850168
-0.200830137	-0.082755491	-0.001985371
-0.429800779	-0.459647798	0.007767268
-0.960083147	-0.963601213	0.20049394
-0.987941826	-0.987618801	0.300439878
-0.982294171	-0.982083315	0.3084475
-0.564591342	-0.51900425	0.135338842
-0.471642112	-0.502224768	-0.000259638
-0.654795111	-0.703433693	0.027897184
-0.989138184	-0.987901463	0.350704034
-0.989481943	-0.989521273	0.33678674
-0.982876889	-0.981129313	0.221668476
-0.293358341	-0.268948465	0.042361659
-0.153172029	-0.067941076	-0.084571897
-0.294970471	-0.393715352	0.057154502
-0.988098903	-0.98817486	0.405104859
-0.988773269	-0.988531651	0.35792077
-0.984151646	-0.983022278	0.32901436
-0.259934013	-0.279732022	0.016210712
0.010857564	-0.113625945	0.103796321
-0.460770278	-0.473011559	0.116287372
-0.973436249	-0.972336129	0.266859315
-0.969178687	-0.970823336	0.229111537
-0.952727765	-0.954963155	0.133307643
-0.360811456	-0.43627301	0.12301625
-0.012882383	-0.088359852	0.054599827
-0.294433416	-0.374495908	0.172325928
-0.993998276	-0.994366668	0.4880885
-0.990093704	-0.989822909	0.336232797
-0.989793893	-0.990327935	0.388020548
-0.108978206	-0.169506499	-0.043791818
0.000448896	-0.079771432	0.032732297
-0.239108047	-0.280583557	-0.001643145
-0.96994927	-0.968087778	0.172121086
-0.985826331	-0.985294959	0.318768531
-0.953357616	-0.946639847	0.049475282
-0.347180135	-0.366537417	0.115010838
-0.1259614	-0.133124305	-0.125210389
-0.549784891	-0.580878133	-0.048476264

fBodyBodyGyroMag-mean()	fBodyBodyGyroMag-std()	fBodyBodyGyroMag-meanFreq()
-0.862190185	-0.82431944	-0.139775013
-0.958435589	-0.932198375	-0.000262187
-0.984617623	-0.978466072	-0.028605773
-0.199252569	-0.321017954	0.268844368
-0.185720286	-0.39835039	0.349613895
-0.325961457	-0.182985518	-0.219303376
-0.972112973	-0.961098379	0.018564472
-0.971840596	-0.961385745	-0.106358909
-0.961775905	-0.956788726	-0.066126605
-0.530704815	-0.65179284	0.305283825
-0.320838544	-0.372576755	0.103971242
-0.450612185	-0.438620402	-0.022752769
-0.964586725	-0.955441856	-0.022929611
-0.946664944	-0.925449629	-0.115525765
-0.913682363	-0.883439718	-0.309822161
-0.569755772	-0.632643293	0.180946463
-0.332376629	-0.322440827	-0.051669955
-0.514211584	-0.445181802	-0.177730591
-0.96155666	-0.947100325	-0.25985197
-0.948769752	-0.928850554	-0.200084758
-0.914209166	-0.887194404	-0.286128312
-0.609285588	-0.593937201	0.069730125
-0.42921337	-0.457674088	0.060029205
-0.575794072	-0.552489629	-0.150274479
-0.968257069	-0.959263063	0.102441766
-0.944760322	-0.934746865	-0.005783501
-0.904543922	-0.868913994	-0.157768871
-0.484262829	-0.589741507	0.25062061
-0.349338415	-0.484141274	0.204633758
-0.392564531	-0.440445052	-0.023400199
-0.930153639	-0.92869489	0.119317523
-0.929725679	-0.929549142	0.046173584
-0.926664297	-0.923108762	-0.07011969
-0.329681123	-0.510648323	0.293109613
-0.014373543	-0.242353857	0.230693028
-0.230627015	-0.318173893	0.014480732
-0.941130719	-0.918892519	-0.265784491
-0.933081955	-0.895804978	-0.142830891
-0.938704985	-0.919848139	-0.18718167
-0.192909765	-0.343894915	0.300315718
-0.255045057	-0.396909652	0.235200926
-0.533982946	-0.444994482	-0.165200897
-0.944528951	-0.93678697	-0.062056375
-0.965806789	-0.953251157	-0.141126203
-0.964564224	-0.954119826	-0.108780316
-0.301241849	-0.327459578	0.089000574

-0.00036273	-0.255590314	0.267675983
-0.229610953	-0.183325647	-0.128115003
-0.918605336	-0.903400581	-0.206343569
-0.934437738	-0.906471229	-0.195970052
-0.929769068	-0.91090966	-0.174953569
-0.51379748	-0.562714529	0.127416241
-0.347540227	-0.424170737	0.06567822
-0.531482694	-0.456841325	-0.259962958
-0.937692643	-0.933701315	0.216535434
-0.974459733	-0.962459956	0.005813374
-0.937786743	-0.92296155	-0.226492596
-0.41261691	-0.499759797	0.129100107
-0.31234751	-0.387780104	0.07743626
-0.265371689	-0.166969378	-0.194447276
-0.967093356	-0.954849054	0.040600406
-0.969799951	-0.960711242	-0.03989666
-0.98257652	-0.977437711	-0.047848618
-0.610222629	-0.599745438	-0.074837069
-0.456170109	-0.380559427	-0.169884464
-0.55009966	-0.381223383	-0.377996101
-0.945497023	-0.940373828	0.002206155
-0.958511867	-0.948460979	-0.111982191
-0.902356766	-0.850033172	-0.261496566
-0.442503784	-0.494802215	0.146075367
-0.34493842	-0.423553972	0.113540448
-0.594032515	-0.564435087	-0.107077796
-0.957681621	-0.946133432	0.050207734
-0.973258278	-0.964268098	0.007675433
-0.957488799	-0.946857485	-0.116504836
-0.267472374	-0.379951835	0.302576933
-0.206121707	-0.400560061	0.257421061
-0.485477309	-0.4707708	-0.104131148
-0.930151731	-0.917760105	-0.190837039
-0.963320541	-0.946517964	-0.171970731
-0.944405564	-0.934815561	-0.191031011
-0.31138645	-0.265504552	-0.039834677
-0.078756841	-0.223927431	0.080034792
0.048858867	0.236659662	-0.287413084
-0.946812642	-0.923682245	-0.196344268
-0.97376218	-0.963378228	-0.054403676
-0.9567339	-0.928838304	-0.19991355
-0.489166384	-0.481750219	-0.045881487
-0.373898631	-0.349387206	-0.110970741
-0.453693566	-0.30858587	-0.291977707
-0.970249639	-0.958975084	-0.124998552
-0.954060994	-0.938863215	0.00068806
-0.975448632	-0.963574736	-0.083593787

-0.669228541	-0.721137002	0.179727429
-0.48825394	-0.479939846	0.041547289
-0.630546675	-0.532486722	-0.279231071
-0.969014445	-0.960023839	-0.046556739
-0.983369292	-0.974710853	-0.018175939
-0.984291132	-0.977263419	-0.115635142
-0.518618059	-0.615320078	0.351564689
-0.409438758	-0.428868688	-0.025892021
-0.504066957	-0.49644458	-0.10352089
-0.984329092	-0.981468842	0.159375427
-0.986535242	-0.981252633	0.049255952
-0.972352593	-0.959113457	-0.212559691
-0.620331394	-0.668908147	0.175638581
-0.604735414	-0.533844932	-0.159221076
-0.654029089	-0.533044636	-0.338125777
-0.965624724	-0.957496024	0.077865122
-0.964238768	-0.950484417	-0.192451621
-0.95857813	-0.936723548	-0.247023617
-0.095246045	-0.141598402	0.174359231
0.203979765	0.032036667	0.163417975
-0.288840268	-0.377132753	0.075070031
-0.969832241	-0.964205915	0.011691822
-0.953399068	-0.943725756	-0.174980135
-0.879437675	-0.849127347	-0.305415319
-0.05200656	-0.196210236	0.206699113
-0.100566104	-0.151681987	-0.037411188
-0.286627717	-0.360948342	0.004611273
-0.962349013	-0.949736575	-0.206572702
-0.977839702	-0.972027251	0.044966325
-0.956723022	-0.947763173	-0.141992347
-0.409516081	-0.512249343	0.38556779
-0.406392284	-0.484489974	0.130888038
-0.475369887	-0.483407096	-0.018429931
-0.946055841	-0.923552358	-0.078614223
-0.951952767	-0.93356301	-0.17107119
-0.932065271	-0.900222411	-0.382818529
-0.438378723	-0.464019127	0.210282322
-0.338417326	-0.341863672	-0.058108072
-0.369902	-0.234023032	-0.224891604
-0.966239348	-0.959025538	0.102453271
-0.952293277	-0.938680777	0.12545656
-0.94458383	-0.924805421	-0.12199962
0.185078207	-0.061476585	0.409521612
0.150825735	-0.218930426	0.40265109
-0.380388292	-0.470491576	0.079223297
-0.964001383	-0.961369085	0.054427934
-0.977973721	-0.969105899	-0.10380454

-0.963922314	-0.954407177	-0.221536877
-0.534509164	-0.668032802	0.351492002
-0.374298687	-0.47014727	0.164772643
-0.564664995	-0.54907099	-0.061240209
-0.910126994	-0.850661341	-0.334849565
-0.979350914	-0.970321897	-0.091144149
-0.9689725	-0.961090397	-0.169383482
-0.562733253	-0.529262243	-0.151513801
-0.485763582	-0.42370733	-0.159588771
-0.56715347	-0.386612993	-0.414531993
-0.97430518	-0.966139219	0.111740579
-0.97646387	-0.963650652	-0.185666085
-0.972333109	-0.962967606	-0.144605014
-0.551927613	-0.609466217	0.220811668
-0.334509947	-0.392990653	0.005991081
-0.556084778	-0.569632	-0.02551313
-0.979890668	-0.971806237	0.174311654
-0.979482821	-0.970528266	-0.023077409
-0.975525566	-0.96540017	-0.165713912
-0.519451704	-0.546888146	0.148717231
-0.359113725	-0.397984196	0.098852791
-0.60766773	-0.523335975	-0.128116124
-0.944218369	-0.931675004	-0.181135931
-0.960297525	-0.953534293	-0.137706078
-0.909652436	-0.878459662	-0.317383911
-0.514602425	-0.516811574	-0.001984668
-0.223354794	-0.362903837	0.114889053
-0.53483541	-0.528187017	-0.052639559
-0.984001342	-0.976679046	0.233760096
-0.980269426	-0.971011373	-0.069660421
-0.980879723	-0.975938729	-0.072334701
-0.416817853	-0.429156831	0.035179888
-0.381459882	-0.323024575	-0.101592076
-0.357213897	-0.07433147	-0.399892275
-0.962001199	-0.952644449	-0.080204917
-0.973876283	-0.959513937	-0.146608518
-0.917449417	-0.888872228	-0.318309078
-0.358344356	-0.331541741	-0.06888716
-0.356772347	-0.252361883	-0.175931349
-0.449150735	-0.151472278	-0.456638671

fBodyBodyGyroJerkMag-mean()	fBodyBodyGyroJerkMag-std()
-0.942366947	-0.932660668
-0.989797547	-0.987049617
-0.994815377	-0.994671123
-0.319308594	-0.381601912
-0.281963359	-0.391919877
-0.634665082	-0.693930522
-0.990248702	-0.98949266
-0.989861951	-0.989632909
-0.977849827	-0.977754298
-0.583249293	-0.558104555
-0.380175306	-0.343698985
-0.600798496	-0.621820203
-0.984278251	-0.982568158
-0.977898106	-0.976689803
-0.960331718	-0.95712151
-0.607751646	-0.549087008
-0.576277199	-0.624910821
-0.716877779	-0.740033436
-0.983609073	-0.982543632
-0.976547763	-0.976261754
-0.964471139	-0.966430218
-0.724327421	-0.757768081
-0.621752456	-0.685470932
-0.740749226	-0.794209483
-0.984618026	-0.983434493
-0.97159837	-0.970675403
-0.952286438	-0.946196463
-0.548053575	-0.455665301
-0.453697247	-0.487128423
-0.571344139	-0.57248502
-0.953695957	-0.955504655
-0.952034566	-0.951196693
-0.955425138	-0.952088499
-0.366500534	-0.408078906
-0.132705384	-0.145733545
-0.459236334	-0.455937719
-0.974117912	-0.969403035
-0.978634991	-0.974965939
-0.973671169	-0.971899418
-0.155339856	-0.084166377
-0.289096677	-0.353544696
-0.673327282	-0.704090968
-0.968403946	-0.97179328
-0.987730604	-0.986147263
-0.983709233	-0.981832336
-0.473026231	-0.581240191

-0.125179587	-0.26298447
-0.463270578	-0.575733291
-0.955806255	-0.95229047
-0.968315588	-0.965997015
-0.967491628	-0.964770799
-0.602581618	-0.624351924
-0.463172054	-0.485158907
-0.734159449	-0.787781591
-0.960976822	-0.960772876
-0.992191529	-0.991409101
-0.965614081	-0.965055815
-0.515065336	-0.517675799
-0.484196485	-0.544988519
-0.600582998	-0.671290562
-0.985978837	-0.983569468
-0.987255973	-0.985607229
-0.99298102	-0.992277469
-0.751914457	-0.773574065
-0.668340528	-0.714229669
-0.795986114	-0.822428719
-0.963949607	-0.961911612
-0.978484454	-0.979256387
-0.963059792	-0.962909739
-0.561176441	-0.564934013
-0.458227491	-0.486780424
-0.714332592	-0.733130764
-0.978150814	-0.972798632
-0.991723742	-0.991219446
-0.977197404	-0.97646733
-0.338527134	-0.349285611
-0.266399903	-0.343094861
-0.656088544	-0.7122615
-0.966455343	-0.963666018
-0.987324239	-0.987065178
-0.969175637	-0.966019259
-0.591036936	-0.655677662
-0.254747132	-0.356849425
-0.457250612	-0.564964076
-0.975727854	-0.972645711
-0.990180959	-0.989503942
-0.983188092	-0.980329709
-0.645075178	-0.654010147
-0.565396131	-0.593472444
-0.731422358	-0.793104483
-0.988695278	-0.988058401
-0.989363136	-0.987506349
-0.99117243	-0.990672801

-0.72068229	-0.745726854
-0.58966315	-0.633479805
-0.787833632	-0.825314327
-0.982765526	-0.981983438
-0.995204564	-0.993624524
-0.992723939	-0.992177304
-0.58271186	-0.520385479
-0.57734888	-0.643399204
-0.669008764	-0.724155743
-0.991901008	-0.992737962
-0.994808188	-0.994967622
-0.988960669	-0.988407465
-0.710596311	-0.769408386
-0.744236045	-0.763430802
-0.826193161	-0.860910992
-0.98189047	-0.979327847
-0.986727418	-0.985416445
-0.98453661	-0.982228582
-0.262442823	-0.336148733
-0.02290453	-0.143254548
-0.477183915	-0.588289661
-0.981119821	-0.981986153
-0.976108354	-0.975226588
-0.929600007	-0.92722572
-0.180365335	-0.171975765
-0.311668473	-0.281657286
-0.450393446	-0.502821544
-0.982993315	-0.982305117
-0.990014273	-0.991062205
-0.976126761	-0.97770662
-0.499597203	-0.429323466
-0.490804948	-0.571666834
-0.628915749	-0.70098041
-0.976638981	-0.972789021
-0.977775448	-0.976318115
-0.968377798	-0.965344727
-0.553946122	-0.47640527
-0.583510518	-0.697451439
-0.667996003	-0.709870535
-0.981846854	-0.981585141
-0.980707211	-0.978499038
-0.972598811	-0.973849691
0.146618569	0.287834616
0.074675464	-0.039857378
-0.51871565	-0.632659462
-0.978596741	-0.980096981
-0.990854751	-0.990933058

-0.981119238	-0.9797551
-0.571594392	-0.567447732
-0.474449926	-0.478030486
-0.64611467	-0.653876951
-0.968251609	-0.970457948
-0.991781702	-0.99201956
-0.98401783	-0.983098936
-0.770300896	-0.75738578
-0.687034281	-0.693032409
-0.822403906	-0.841061012
-0.990430914	-0.989628012
-0.993985448	-0.99420977
-0.985762256	-0.983313996
-0.619461036	-0.612930343
-0.472200753	-0.489497379
-0.673580663	-0.669846295
-0.993563779	-0.993552299
-0.992390264	-0.991967776
-0.989418483	-0.988579092
-0.6232882	-0.639242384
-0.467777769	-0.502831373
-0.719179804	-0.751714313
-0.971830582	-0.969319821
-0.979465869	-0.97839537
-0.958758577	-0.955983425
-0.595965104	-0.589071731
-0.396720714	-0.464722244
-0.662505819	-0.704852757
-0.997617389	-0.997585231
-0.995063049	-0.994742028
-0.991672052	-0.991516778
-0.628501116	-0.618667723
-0.596578626	-0.626675982
-0.697454553	-0.756464186
-0.977821336	-0.975481549
-0.991750682	-0.990946425
-0.959242165	-0.955008564
-0.547621753	-0.578580045
-0.617578814	-0.645503942
-0.773974452	-0.791349425

fBodyBodyGyroJerkMag-meanFreq()	angle(tBodyAccMean,gravity)
0.176485907	0.021365966
0.184775928	0.027441548
0.334498734	-0.000222341
0.190663449	0.060453747
0.190000706	-0.002695125
0.114277342	0.096086076
0.264801505	0.00579181
0.194722149	0.039528431
0.160662824	-0.013681915
0.126344614	-0.030101738
-0.051247964	-0.024329109
0.046743399	0.094651108
0.110697704	0.017895938
0.087190234	0.032717286
-0.020630782	0.007727706
0.045762296	0.052750283
0.065444436	-0.047579424
0.075384358	0.013488557
0.202949382	-0.002357753
0.085934203	-0.010753475
0.060985002	0.014731236
0.265355374	-0.012009778
0.144436926	0.000633759
0.179517012	0.059205154
0.024736711	0.021209193
0.081290133	0.028703647
-0.039313597	-0.008608569
0.052733013	-0.03228682
0.072381509	-0.039738462
0.005786311	-0.020422441
0.163765319	0.004989439
0.121846502	0.002327624
0.027625265	0.012349455
0.100924732	-0.068034706
0.036946297	-0.045308517
0.028505384	0.008641381
0.104422953	0.036447705
0.055363892	0.013636598
0.09547074	0.010246898
0.00088034	-0.023614388
0.081946366	-0.03861536
0.047334927	0.017579969
0.219371246	-0.024490431
0.166638748	0.011989631
0.17917369	0.025894901
0.294590007	0.073861533

0.242843619	-0.014368061
0.251663318	0.076726788
-0.016201379	0.000991077
0.031534866	0.021307429
0.024365085	0.011601723
0.243222182	-0.02596579
0.132021015	-0.112277655
0.13600115	0.129153964
0.2026247	-0.02387298
0.344008503	-0.000753881
0.013389749	-0.013790469
-0.000234019	-0.019841132
0.178773117	-0.033344964
0.158591031	0.110293662
0.256034977	0.002750338
0.159345367	-0.011786011
0.223297409	-0.002316692
0.056364837	0.061938114
-0.009425074	-0.046507254
0.015327027	-0.016857557
0.022700424	0.004272298
0.16126823	0.015631591
0.016281545	0.008919918
0.077777759	0.044980069
0.065876989	-0.026553343
0.097862435	0.052339373
0.054446996	-0.000126343
0.191102234	-0.031385336
0.175957474	0.014423418
0.229037956	0.01249049
0.207435719	-0.047749199
0.107301254	0.013442705
0.121643801	0.017729671
0.074067593	0.027602326
0.01254087	0.007429672
0.200917234	0.059462944
0.052933743	0.003549915
0.076347168	0.072254156
0.088667133	0.004157223
0.208016818	0.001280447
0.057023866	-0.00231995
0.007060108	0.011383136
0.056415579	0.033467507
0.144010749	0.044357238
0.090987583	0.053927279
0.232631766	0.01796291
0.211078134	0.00591798

0.107675566	0.014808426
0.102927877	-0.163042575
0.134537892	0.023892753
0.242850862	0.007772761
0.358682361	-0.00917615
0.314617814	0.015114247
0.152044229	0.063184997
0.163045288	-0.061778449
0.086554172	0.058995629
0.320132235	0.007802015
0.329617467	0.014634843
0.098540153	0.009917167
0.269967615	0.039268282
0.071760918	-0.027051328
0.077258658	0.014595702
0.045700672	-0.021107485
0.097864625	0.035841517
0.064567688	0.01349427
0.250382687	-0.034737158
0.185185492	5.44E-05
0.260346441	0.021709662
0.199653647	0.001038092
0.133635344	0.02950227
-0.133751441	0.014621625
0.021225225	-0.004012483
-0.042968533	-0.055399088
0.119029197	0.005772488
0.209995237	7.53E-05
0.248299547	0.042416961
0.149979232	0.01699999
0.207788241	-0.003418504
0.221357994	0.032531772
0.208155934	-0.031592033
0.112423708	0.027639355
0.091168416	-0.003105068
-0.182923597	0.004626413
0.279574104	-0.007002738
0.339656341	-0.0477293
0.263527183	0.044086663
0.225885069	0.015728164
0.053183255	0.011561635
0.128376238	0.011879002
0.176693448	0.030454618
0.221849484	-0.07870972
0.23377006	0.031065277
0.261813945	0.0169966
0.212296511	0.020558751

0.144869051	0.012943744
0.209200418	-0.003030037
0.099729221	-0.056307179
0.012225903	-0.019069456
0.08599034	0.068308474
0.253370241	0.007954624
0.081160618	-0.006093155
-0.003633975	-0.031360119
-0.101278803	-0.07107758
-0.051161727	0.013704753
0.239935478	-4.20E-05
0.300529364	-0.000268853
0.104516778	-0.0052149
0.194215469	0.046781412
-0.004341009	0.07678477
-0.051255951	0.041899555
0.348321453	0.021642647
0.224975048	-0.000321402
0.21289531	0.017212057
0.08597568	0.012539493
0.084123192	-0.109720268
0.184859987	0.030261046
0.011882861	0.038817486
0.002495927	0.012367788
-0.112442883	0.00760995
-0.076083928	0.006311943
0.131260126	-0.133135412
0.099131162	0.061758846
0.42630168	-0.01251857
0.307790878	0.020355637
0.219867066	-0.014821622
0.079684852	0.069313313
0.084473725	-0.060206118
0.053585293	0.055566195
0.107252554	-0.010613124
0.216651119	-0.015192548
-0.131720538	0.017281437
0.102346297	0.053015282
0.022715839	0.006569962
-0.071439868	-0.000180217

angle(tBodyAccJerkMean),gravityMean)	angle(tBodyGyroMean,gravityMean)
0.003060407	-0.001666985
0.029709788	0.067698134
0.021963783	-0.033793838
-0.007930378	0.013059491
0.089931687	0.063338285
-0.061083841	-0.194699963
-0.006355576	0.065286011
-0.003392867	0.02097317
0.041182224	-0.015103516
0.05340058	0.021619677
-0.006375505	0.36655118
-0.007754669	0.015381561
0.016647953	0.045587477
0.004078297	0.064370666
0.024654525	0.009799109
-0.076302065	0.096843832
-0.010849499	0.313783896
0.115176801	-0.263078223
-0.015503757	0.007129605
-0.007599057	-0.03268728
0.004572909	0.101339341
0.000921104	0.017781368
-0.052529722	0.353626044
-0.005062365	-0.246559359
0.055364796	-0.005812889
-0.020953254	-0.017875219
-0.005722244	0.086699045
-0.011721578	0.023735726
-0.041400852	0.123686466
-0.077228702	-0.293346476
0.032217035	0.085938987
-0.023815643	0.047927245
-0.007378625	0.067269393
0.005595328	-0.051058045
-0.035836968	0.312706788
0.003211174	0.128194466
0.019922824	0.063016312
-0.038751477	-0.018369851
-0.023833606	-0.075886457
-0.005380842	-0.052693664
-0.030726021	0.259901814
0.014002635	0.106104407
-0.021944874	0.010633307
-0.017570278	0.012124446
-0.008204621	0.015246574
-0.033141769	-0.185503909

-0.119465358	0.265290535
-0.097933578	-0.38930512
-0.021817851	0.052062224
-0.031930474	0.019833665
0.004866317	0.045709677
0.062347659	0.121321076
-0.092123896	0.201647894
0.001884035	0.093147946
-0.012181529	0.019911134
0.041240381	0.003581914
0.030370589	0.033610764
-0.042831609	-0.125263284
-0.034161839	0.277642296
-0.007530002	-0.263603869
0.001435387	-0.022025948
-0.010568244	-0.00398003
-0.013952213	0.01859355
-0.043667108	0.05797308
0.025142888	0.29757612
-0.063290368	-0.009556578
0.023242968	0.030970951
-0.024681083	0.061650717
0.012341855	0.028920146
0.016084935	0.175529427
0.032877377	0.380694037
0.038856827	0.095906427
0.003241914	0.085728252
0.020911288	0.03023091
-0.02355989	0.040722073
0.011902906	0.022245074
0.022019844	0.261263762
0.043648562	0.146500936
0.011659981	0.045876084
0.014669054	0.003235953
0.017584754	-0.10258428
0.008461072	-0.066709735
0.106421773	0.059739768
-0.00915396	-0.223951414
-0.01871217	-0.029450954
0.012237631	0.027477776
0.02229291	0.061823932
-0.078826604	0.040557688
0.016709342	0.306097729
-0.022175843	-0.366351793
0.02596561	0.005213995
-0.00016016	0.007787348
0.041007714	0.036808639

0.010001147	-0.10961748
-0.04498627	0.126499396
0.080878383	-0.269905448
0.019044474	0.015099669
0.002813522	0.024542789
0.003019672	0.044382169
-0.008606249	0.073329999
-0.120553976	-0.079815457
0.068393252	-0.027579584
0.028500183	0.003238485
0.011166817	-0.040857838
0.000636839	-0.032528058
0.023003514	0.019185272
-0.032124991	0.124796232
0.070943561	0.048178398
0.011372379	0.02371859
-0.020367817	-0.00086743
0.005518456	0.013476345
0.009804048	0.011076971
0.018780552	0.444101172
0.005856214	-0.235635805
0.020155167	0.062711974
0.021767766	-0.005995744
0.00600846	-0.02244809
0.030296677	-0.004108403
0.042947656	0.271516811
-0.055038031	-0.321605243
0.020948881	0.077167516
-0.001616656	0.003991338
-0.023120938	-0.086323201
-0.012830373	0.014850361
-0.041667358	0.345962371
-0.066495652	-0.217555238
0.048404361	0.009938193
-0.015293529	0.057050292
0.019433331	0.031165201
0.041148405	-0.088221172
-0.051711566	0.225831963
-0.059281296	-0.312935454
-0.008233395	0.105744482
-0.00224227	0.03607774
0.01561689	0.017658942
-0.076610638	0.027485254
-0.03096226	0.139336003
0.033245477	-0.311531827
0.003737683	0.043125407
-0.005030367	-0.001063012

0.02083739	-0.0355583
-0.102713928	0.046567115
0.007060703	0.055150881
-0.009322667	-0.197302297
0.203259966	-0.063753166
-0.007330655	0.042691187
0.012727049	0.005183333
0.097138915	0.034640032
-0.085401899	0.019177076
0.026151951	-0.201479438
0.02649011	-0.010655001
0.033411347	-0.001430556
0.027238422	0.025671963
-0.004730995	-0.032503248
-0.046174093	0.032927335
0.046614306	-0.138231471
-0.009473448	-0.019023096
0.025638256	0.021802812
0.03469934	-0.03700329
0.024839015	0.132261638
0.000934886	0.322535211
0.017368809	0.036134377
-0.039242516	0.020764647
0.007662353	-0.004474543
0.01505054	-0.084116023
-0.04302484	0.112201222
-0.049665983	0.272631873
0.050281175	0.099432945
-0.008484501	-0.057370031
0.005835573	0.001355333
0.021742044	0.030310378
-0.057919953	-0.07952042
0.06815077	0.125170538
-0.059401396	-0.300314024
0.036900601	0.037205909
0.045875373	-0.007599885
0.004166892	0.051553073
-0.015283044	0.015776642
-0.061535543	0.081133813
0.086894014	-0.036201202

angle(tBodyGyroJerkMean,gravityMean)	angle(X,gravityMean)	angle(Y,gravityMean)
0.084437165	0.426706226	-0.520343818
-0.064881619	-0.59124748	-0.060466025
-0.027922932	-0.743407888	0.270175033
-0.018743191	-0.729247201	0.276953023
-0.039976846	-0.744483753	0.267245785
0.065683569	-0.647195664	0.334763277
-0.029371009	0.617423416	-0.519732551
-0.076204197	-0.774436095	0.155857278
0.112324649	-0.627180076	0.337937912
-0.085847083	-0.66195998	0.321443012
-0.073580299	-0.62498557	0.311800313
-0.081031303	-0.477698945	0.373749043
0.031726168	0.423505857	-0.630062847
-0.025235547	-0.759811922	-0.006324801
-0.050544071	-0.711903816	0.289824126
-0.03668922	-0.722804014	0.26249189
-0.077283993	-0.766823526	0.240927177
0.03039925	-0.600971375	0.346985016
0.036656731	0.553489758	-0.763217167
-0.059574723	-0.710276243	-0.070998788
0.025719245	-0.831044402	0.135778706
0.055415967	-0.865284281	0.142510179
-0.062561954	-0.852409054	0.126538171
0.05351725	-0.775483533	0.243389232
-0.034442026	0.59873266	-0.82529986
-0.088593394	-0.730101663	-0.038449397
-0.082878932	-0.862767278	0.110446445
-0.034893705	-0.917113974	0.152461603
-0.001404468	-0.947116528	0.125876925
0.112446922	-0.754346295	0.266611003
-0.035056681	0.593394404	-0.874567702
-0.035147602	-0.784772393	0.036051293
0.058693825	-0.759500275	0.240854577
-0.081881793	-0.806205223	0.230443601
-0.207129263	-0.804077122	0.232771542
-0.099365357	-0.679096002	0.318508029
0.048624377	0.612487998	-0.207518642
-0.032757547	-0.930654289	0.079731683
-0.007606348	-0.819123578	0.164011262
0.053895009	-0.747765638	0.1923393
-0.100218024	-0.778027536	0.172989451
-0.117697297	-0.519312377	0.248699244
0.013731683	0.542597409	-0.400681373
-0.03807699	-0.616080376	-0.086694814
-0.031934786	-0.840839661	0.145565477
0.045002304	-0.684991674	0.231918891

-0.161871532	-0.734180207	0.213262026
0.066377528	-0.613935211	0.285922799
0.01820447	0.668873975	0.170789073
-0.094442962	-0.80641375	0.113152832
0.032820107	-0.859607609	0.090998556
-0.026576424	-0.844514789	0.105281462
-0.071194993	-0.87432492	0.108089152
0.001092978	-0.704793909	0.109375558
0.058322428	0.577222398	0.213834853
-0.053975257	-0.542518751	0.10879926
0.114195806	-0.817648124	0.112597078
0.099077939	-0.858275735	0.141082256
-0.070191775	-0.877914984	0.128310641
0.153637458	-0.792289523	0.121840871
0.052991613	0.34527776	-0.81313078
-0.025414895	-0.663459875	-0.068639836
0.012678443	-0.801986404	0.201762945
0.012860881	-0.770427853	0.228650908
-0.223672056	-0.780245904	0.221263764
-0.070859017	-0.645453651	0.321428289
0.011841684	0.523178415	-0.650038056
-0.016677173	-0.826322427	0.025219228
-0.01321284	-0.792684913	0.232979146
-0.097263564	-0.860232515	0.190350652
-0.220640292	-0.82847413	0.206774837
-0.089994721	-0.74068826	0.261185188
-0.004887868	0.361210751	-0.475624696
-0.01992194	-0.788776799	0.011988294
-0.03094673	-0.741685939	0.247241072
0.03357953	-0.670859876	0.277956893
-0.12920569	-0.76496578	0.228575047
-0.033589685	-0.560140365	0.33094583
0.023034047	0.34911595	-0.277020597
-0.059580571	-0.804409418	0.108708411
-0.005888869	-0.601581015	0.238063481
0.066740209	-0.497783362	0.269740565
0.005649801	-0.526550287	0.266238826
0.133237047	-0.379674435	0.311607141
0.001835807	0.37289131	-0.71941283
-0.008046475	-0.734755768	-0.06590285
0.130430725	-0.841919934	0.196111097
-0.12863638	-0.778195971	0.243545334
-0.130835429	-0.829411894	0.200250657
0.167930233	-0.696282654	0.300676035
0.056478468	0.398207972	0.098220911
-0.023177714	-0.799719269	0.142999749
-0.003845512	-0.788613521	0.123302385

0.087857941	-0.734720621	0.129418361
-0.055794944	-0.731151422	0.123723224
0.17522285	-0.545576641	0.1387731
-0.053025551	0.395076582	-0.426235558
-0.057153026	-0.81445409	0.085758277
0.070456803	-0.662262825	0.260217512
0.010138646	-0.72702084	0.207186542
0.007399919	-0.754580715	0.18768213
0.10562127	-0.572547818	0.279992531
0.029004071	0.410902149	-0.512391751
-0.048496385	-0.740786432	-0.007468886
-0.006805885	-0.774681913	0.223141828
-0.063223608	-0.714313246	0.258089346
-0.058352837	-0.743605739	0.238556967
-0.120113839	-0.634013	0.302327242
-0.023137379	0.737784355	-0.47649176
0.044118643	-0.304548451	-0.176317792
0.036368982	-0.762092973	0.236858175
-0.030678063	-0.766280999	0.23758545
-0.04652274	-0.741842548	0.236000627
-0.004332931	-0.543830518	0.352917616
-0.064113774	0.589963054	-0.656294175
-0.028813279	-0.764207059	0.032907216
0.024985299	-0.697011434	0.295461318
-0.050753477	-0.665519647	0.322447638
-0.086966104	-0.725888627	0.275497022
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