















accuracy

	epoch	noisy_train	      
0	100.0	0.4498640893989731	0.4137291280148423
1	200.0	0.5501359106010268	0.5862708719851577
2	300.0	0.5501359106010268	0.5862708719851577
3	400.0	0.5501359106010268	0.5862708719851577
4	500.0	0.5499848988221081	0.5862708719851577
5	600.0	0.4498640893989731	0.4137291280148423
6	700.0	0.4498640893989731	0.4137291280148423
7	800.0	0.4498640893989731	0.4137291280148423
8	900.0	0.48973119903352463	0.549165120593692
9	1000.0	0.5520990637269707	0.588126159554731
10	1100.0	0.5684083358501963	0.6196660482374768
11	1200.0	0.6100875868317729	0.7365491651205937
12	1300.0	0.545756569012383	0.6697588126159555
13	1400.0	0.5330715795832075	0.6679035250463822
14	1500.0	0.5513440048323769	0.673469387755102
15	1600.0	0.5857746904258532	0.7532467532467533
16	1700.0	0.5839625490788282	0.7532467532467533
17	1800.0	0.5594986408939897	0.6957328385899815
18	1900.0	0.5590456055572335	0.6901669758812616
19	2000.0	0.5456055572334642	0.6846011131725418
20	2100.0	0.5628209000302024	0.6920222634508348
21	2200.0	0.5836605255209907	0.7476808905380334
22	2300.0	0.5906070673512533	0.7569573283858998
23	2400.0	0.5676532769556025	0.712430426716141
24	2500.0	0.5937783147085473	0.7606679035250464
25	2600.0	0.5850196315312595	0.7346938775510204
26	2700.0	0.5706735125339777	0.7105751391465677
27	2800.0	0.5863787375415282	0.7291280148423006
28	2900.0	0.6140138930836605	0.7755102040816326
29	3000.0	0.6087284808215041	0.7699443413729128
30	3100.0	0.6034430685593476	0.7532467532467533

31	3200.0	0.6037450921171852	0.7588126159554731
32	3300.0	0.6084264572636666	0.7606679035250464
33	3400.0	0.6132588341890668	0.7717996289424861
34	3500.0	0.6120507399577167	0.7736549165120594
35	3600.0	0.6288130474176986	0.7922077922077922
36	3700.0	0.6395348837209303	0.8237476808905381
37	3800.0	0.6300211416490487	0.8181818181818182
38	3900.0	0.648293566898218	0.8256029684601113
39	4000.0	0.6620356387798249	0.8534322820037106
40	4100.0	0.6706433101781939	0.8682745825602969
41	4200.0	0.6920869827846572	0.8719851576994434
42	4300.0	0.7005436424041075	0.9016697588126159
43	4400.0	0.6922379945635759	0.8849721706864564
44	4500.0	0.7103594080338267	0.9035250463821892
45	4600.0	0.7153427967381456	0.9202226345083488
46	4700.0	0.7130776200543643	0.8942486085343229
47	4800.0	0.7130776200543643	0.9128014842300557
48	4900.0	0.7163998791905769	0.8886827458256029
49	5000.0	0.7225913621262459	0.9128014842300557
50	5100.0	0.7302929628511023	0.8849721706864564
51	5200.0	0.7334642102083963	0.9035250463821892
52	5300.0	0.73301117487164	0.9016697588126159
53	5400.0	0.7352763515554214	0.9035250463821892
54	5500.0	0.7389006342494715	0.9090909090909091
55	5600.0	0.7340682573240713	0.8831168831168831
56	5700.0	0.7340682573240713	0.87569573283859
57	5800.0	0.7389006342494715	0.9072356215213359
58	5900.0	0.7402597402597403	0.8923933209647495
59	6000.0	0.7396556931440652	0.8905380333951762
60	6100.0	0.7402597402597403	0.9109461966604824
61	6200.0	0.740410752038659	0.8868274582560297
62	6300.0	0.7438840229537904	0.8961038961038961
63	6400.0	0.7411658109332528	0.8775510204081632
64	6500.0	0.7470552703110843	0.8961038961038961

65	6600.0	0.7450921171851405	0.8923933209647495
66	6700.0	0.7485653881002718	0.8923933209647495
67	6800.0	0.7506795530051344	0.8979591836734694
68	6900.0	0.7490184234370281	0.8794063079777366
69	7000.0	0.7488674116581093	0.87569573283859
70	7100.0	0.7536997885835095	0.9035250463821892
71	7200.0	0.7561159770462096	0.8961038961038961
72	7300.0	0.7549078828148595	0.9053803339517625
73	7400.0	0.7555119299305346	0.8961038961038961
74	7500.0	0.7586831772878284	0.8831168831168831
75	7600.0	0.7614013893083661	0.8868274582560297
76	7700.0	0.7629115070975536	0.9035250463821892
77	7800.0	0.7597402597402597	0.9090909090909091
78	7900.0	0.7638175777710662	0.9072356215213359
79	8000.0	0.7674418604651163	0.9072356215213359
80	8100.0	0.7633645424343098	0.9090909090909091
81	8200.0	0.7722742373905165	0.8961038961038961

loss








	epoch	noisy_train	      
0	100.0	0.705964075770355	0.7130106968038222
1	200.0	0.6921893689367506	0.6913969972554375
2	300.0	0.6910092715479902	0.6890888845219332
3	400.0	0.6909720051115837	0.6890093999750474
4	500.0	0.6925590427025504	0.6920708768508014
5	600.0	0.693411059713594	0.6936015065978555
6	700.0	0.6935312952396374	0.69380802266738
7	800.0	0.6933651966749182	0.6935093963847441
8	900.0	0.6931309420705417	0.6930873043396893
9	1000.0	0.693045739678369	0.6929291907478782
10	1100.0	0.6930549821415961	0.6929403192856732
11	1200.0	0.6930826222838987	0.6929844407474294
12	1300.0	0.6930955590833212	0.6930013439234566

13	1400.0	0.6930921907010286	0.6929886586525861
14	1500.0	0.6930790946679415	0.6929581550990834
15	1600.0	0.6930586926027197	0.6929157481474035
16	1700.0	0.6930491981874918	0.6928907141965979
17	1800.0	0.6930502278793261	0.6928854058770573
18	1900.0	0.6930412644349434	0.692861045108122
19	2000.0	0.6930393274279608	0.6928493661039016
20	2100.0	0.6930174361104551	0.6927999959272497
21	2200.0	0.692989716783238	0.692739956519183
22	2300.0	0.6929675694824993	0.6926885808215422
23	2400.0	0.6929673958515775	0.6926757307613597
24	2500.0	0.6929200150540485	0.6925754161442027
25	2600.0	0.6929021034263758	0.6925269049756667
26	2700.0	0.6928824189204524	0.6924697651582605
27	2800.0	0.6928272745459552	0.6923493532573476
28	2900.0	0.6927232042602871	0.6921327885459451
29	3000.0	0.6926612099587629	0.6919830055797801
30	3100.0	0.6925543837501231	0.6917314529418945
31	3200.0	0.6923872408083671	0.6913542326758889
32	3300.0	0.6920699546302574	0.6906514763832092
33	3400.0	0.6915999121136136	0.6896034093464122
34	3500.0	0.6907638386251845	0.6877032413202173
35	3600.0	0.6889670401955572	0.6835290368865518
36	3700.0	0.6851293125014374	0.6745409404530245
37	3800.0	0.6766069217580528	0.654350196613985
38	3900.0	0.6584876911075794	0.6110348315799937
39	4000.0	0.6206516786186016	0.5114833151592928
40	4100.0	0.5875878326846782	0.4243354928844115
41	4200.0	0.5720175920765181	0.3920494353069979
42	4300.0	0.5608073556480776	0.3701687420115751
43	4400.0	0.5518027142338131	0.34787476413390217
44	4500.0	0.5374741970340987	0.31025310123668
45	4600.0	0.5273031621883457	0.28779112109366584

46	4700.0	0.5284331352382466	0.3203859425642911
47	4800.0	0.5196299136476816	0.27513935022494374
48	4900.0	0.5167623818064657	0.29250570167513457
49	5000.0	0.5104597986176393	0.24972315264098785
50	5100.0	0.5058061582022819	0.29740579075673046
51	5200.0	0.5008797823015042	0.28419174648383083
52	5300.0	0.49931820284053324	0.2829578185782713
53	5400.0	0.4986029690230526	0.28543881809010224
54	5500.0	0.4945745801076221	0.2719609351719127
55	5600.0	0.4985592612897716	0.29605347531683307
56	5700.0	0.5005621789878117	0.30443668584613237
57	5800.0	0.4916794456289586	0.2756149247288704
58	5900.0	0.49262693553155174	0.2801063297425999
59	6000.0	0.49405932426452637	0.2950579234782387
60	6100.0	0.48739386781834176	0.27161905958372
61	6200.0	0.49029997052345875	0.2863996765192817
62	6300.0	0.4868857804055951	0.28127505980870304
63	6400.0	0.4888803864230856	0.292839357519851
64	6500.0	0.4837262040535033	0.278325679109377
65	6600.0	0.48338921011789987	0.28411568832748074
66	6700.0	0.48182200420881816	0.28264324104084687
67	6800.0	0.4791572471891624	0.27715152370579105
68	6900.0	0.4817841076404576	0.2889874248820193
69	7000.0	0.4810002869453983	0.2936732514816172
70	7100.0	0.4732012734680936	0.2711757864145672
71	7200.0	0.4737376187014695	0.28067322338328643
72	7300.0	0.4704348271091779	0.2687755301594734
73	7400.0	0.47048768293166504	0.27607519442544265
74	7500.0	0.4717586644821697	0.28921031557461796
75	7600.0	0.4677546366257368	0.2826619818806648
76	7700.0	0.4628926107057051	0.268239487619961
77	7800.0	0.4614133935259736	0.25885622641619516
78	7900.0	0.4591857457830422	0.2622709541636355
79	8000.0	0.45732938401077106	0.26058974423829245

80	8100.0	0.4564226286998693	0.2531785018303815
81	8200.0	0.45485243323632485	0.27847665197709026








normalised_entropy

	epoch	noisy_train	  est     
0	100.0	0.994365724110236	0.9943648393167415
1	200.0	0.999927575190022	0.9999280480153043
2	300.0	0.9995808139087858	0.9995818553917483
3	400.0	0.9995658414236407	0.9995666390668483
4	500.0	0.9999751408126771	0.9999752115451338
5	600.0	0.9999943364246199	0.9999943451890255
6	700.0	0.9999884087237949	0.9999884709798781
7	800.0	0.9999956259443766	0.9999956969648655
8	900.0	0.999999971196789	0.9999999575358375
9	1000.0	0.9999997243532707	0.9999996779801009
10	1100.0	0.9999998245884449	0.9999997841405073
11	1200.0	0.9999999786856238	0.999999932765076
12	1300.0	0.9999999665882753	0.9999999256877156
13	1400.0	0.9999999412414495	0.999999915071675
14	1500.0	0.9999999360568715	0.9999998761461927
15	1600.0	0.9999999248236193	0.9999998442980708
16	1700.0	0.9999998963084403	0.9999998159886291
17	1800.0	0.9999998654890045	0.9999997876791874
18	1900.0	0.9999998389900505	0.9999997558310656
19	2000.0	0.9999997963612982	0.9999996992121822
20	2100.0	0.9999997756229863	0.9999996390546186
21	2200.0	0.9999997442274863	0.9999995470489332
22	2300.0	0.999999685756968	0.999999458581928
23	2400.0	0.9999996105805872	0.9999993771922832
24	2500.0	0.9999995161060551	0.9999991825648716
25	2600.0	0.9999994118384312	0.9999990233242623
26	2700.0	0.999999228073945	0.9999987968487288
27	2800.0	0.9999990411411056	0.9999984712901496

28	2900.0	0.9999985644479634	0.9999977493993869
29	3000.0	0.9999981456492755	0.9999971230529898
30	3100.0	0.9999972498694132	0.9999958102026322
31	3200.0	0.9999956236401197	0.999993439286892
32	3300.0	0.9999916392919413	0.9999877030862727
33	3400.0	0.9999837667983091	0.9999763156133592
34	3500.0	0.9999622168118988	0.9999436429789867
35	3600.0	0.9998886410256089	0.9998304193670099
36	3700.0	0.9996035039262878	0.9993905508009534
37	3800.0	0.9981880306081446	0.9968858587940903
38	3900.0	0.991674312325411	0.9857317158375246
39	4000.0	0.953939937889954	0.9185733441297995
40	4100.0	0.8846614818060301	0.7748642887830292
41	4200.0	0.8388634773583903	0.6783967646243179
42	4300.0	0.8361901139536138	0.6659158642968795
43	4400.0	0.8330695457020687	0.6500264558809807
44	4500.0	0.7970710863558701	0.6085786465589987
45	4600.0	0.7845205503156703	0.5730626879463833
46	4700.0	0.8039543288094657	0.5838994263275656
47	4800.0	0.7701430894643725	0.5517693662908834
48	4900.0	0.7768145164886078	0.538861099554568
49	5000.0	0.6945386320325552	0.46404024400162563
50	5100.0	0.7599627572004617	0.5108793069347601
51	5200.0	0.7601109269665505	0.5111628543025709
52	5300.0	0.7521593596632118	0.4971120963512414
53	5400.0	0.7455800965774891	0.48839705065583916
54	5500.0	0.7371317410677879	0.48302418314238427
55	5600.0	0.7493712677404046	0.49280653902241384
56	5700.0	0.7464746135629868	0.4881445667075757
57	5800.0	0.7329927765325779	0.4735808133636644
58	5900.0	0.7359623716015068	0.4722565684557403
59	6000.0	0.7336228288433336	0.47353138507850095
60	6100.0	0.7254455153656236	0.46509140011109756

61	6200.0	0.7356240011276849	0.4736481491400271
62	6300.0	0.7239766233963247	0.46236475942749705
63	6400.0	0.7330002947467146	0.4687342661431194
64	6500.0	0.7232140539924532	0.45828575725236936
65	6600.0	0.720630951570046	0.45673495453673524
66	6700.0	0.721251831642273	0.4592928541392254
67	6800.0	0.7161512925739341	0.4532965454851763
68	6900.0	0.7228091421965492	0.4568750747723128
69	7000.0	0.7152489334101837	0.4483382224151951
70	7100.0	0.7057425679126487	0.44297286796215957
71	7200.0	0.7128839258051682	0.4468839190665335
72	7300.0	0.6941327090279208	0.43262420470285506
73	7400.0	0.7078775198068622	0.44242228647773474
74	7500.0	0.7103442358704213	0.4454165442755138
75	7600.0	0.7014754716452066	0.43617026129105096
76	7700.0	0.6889074836674502	0.42671815362622434
77	7800.0	0.6732202919182624	0.4147940548983487
78	7900.0	0.6844195136488186	0.42112761216172484
79	8000.0	0.6806595198015762	0.41924911261931863
80	8100.0	0.6617365437164583	0.4065035035304988
81	8200.0	0.6870373627528148	0.4241683208876063

max_p

	epoch	noisy_train	      
0	100.0	0.5441604364822005	0.5441638932378482
1	200.0	0.5050090463166509	0.5049928265290269
2	300.0	0.5120522105344578	0.5120375337759948
3	400.0	0.5122655422368535	0.5122543009402358
4	500.0	0.5029338953610959	0.5029294397923854
5	600.0	0.5013980384464892	0.5013964269068334
6	700.0	0.5020024983121779	0.5019963535174368
7	800.0	0.5012275238693823	0.5012175855477357
8	900.0	0.5001092760701872	0.5001032339177459

9	1000.0	0.5002925847455909	0.5003091072549626
10	1100.0	0.5002181022342186	0.5002386556706756
11	1200.0	0.5000936458637188	0.5001247544014388
12	1300.0	0.5001080283150865	0.5001235300180863
13	1400.0	0.500125804648807	0.5001401034268466
14	1500.0	0.5001268458848848	0.5001518058422988
15	1600.0	0.5001290645962285	0.5001721886403043
16	1700.0	0.500143378495954	0.5001911241181043
17	1800.0	0.5001617458715644	0.500201517221879
18	1900.0	0.5001790511287688	0.5002215426131834
19	2000.0	0.5002073776466326	0.500243599206928
20	2100.0	0.5002146543458451	0.500266763407578
21	2200.0	0.5002272278115455	0.5002997810632709
22	2300.0	0.5002511546389281	0.5003350740903384
23	2400.0	0.5002827696193924	0.5003555842808315
24	2500.0	0.5003096420071486	0.5004135053984973
25	2600.0	0.500344947543039	0.5004493681530784
26	2700.0	0.500398934841588	0.5005023563505325
27	2800.0	0.5004429421155556	0.5005705997983688
28	2900.0	0.500545050506684	0.5007076298814537
29	3000.0	0.5006204959094003	0.5007977158328819
30	3100.0	0.5007551879329791	0.5009584143785466
31	3200.0	0.5009508484333745	0.5011918876520557
32	3300.0	0.5013083631054075	0.5016205739886509
33	3400.0	0.5018136077184974	0.5022417202951294
34	3500.0	0.5027285643266213	0.5034162365660375
35	3600.0	0.5046484010236136	0.5059122074955248
36	3700.0	0.5087736444291806	0.5112692385303731
37	3800.0	0.5178164365751726	0.524305619644986
38	3900.0	0.5393049988419727	0.5533682057056887
39	4000.0	0.5939620809229578	0.6290803813757392
40	4100.0	0.6421129355722955	0.7119164581865017
41	4200.0	0.665536961430187	0.7559967713364865
42	4300.0	0.6625667636540677	0.7620236249934322

43	4400.0	0.662143171823698	0.7703884032750173
44	4500.0	0.7025885528684275	0.8039943999394857
45	4600.0	0.7046908419213602	0.815563152362774
46	4700.0	0.6748356005462122	0.7952545852519586
47	4800.0	0.7171542367269826	0.823671648807561
48	4900.0	0.6972327392218661	0.8173797161548169
49	5000.0	0.7625283823384867	0.8593688603898368
50	5100.0	0.7060409204292355	0.8266383084383878
51	5200.0	0.7067079446136465	0.8270421320078324
52	5300.0	0.7105802451329302	0.8333626713513885
53	5400.0	0.7146381451910049	0.836709434778217
54	5500.0	0.7231540774982237	0.8416890231045809
55	5600.0	0.711252458215804	0.8321129935128349
56	5700.0	0.7119522466287984	0.8329499196917759
57	5800.0	0.7232093335782175	0.8429759066268553
58	5900.0	0.7189365316106991	0.8414706971517079
59	6000.0	0.7214095516890351	0.840910106510311
60	6100.0	0.7284574736212359	0.8465294422156736
61	6200.0	0.719367982685224	0.8389595541308231
62	6300.0	0.7280127557877218	0.8462116864262795
63	6400.0	0.7200706681251814	0.8403330362351794
64	6500.0	0.7274845063380336	0.8471297510037396
65	6600.0	0.729326255369748	0.8473800206228621
66	6700.0	0.7294098330710598	0.8462728772844587
67	6800.0	0.7323342340297118	0.8484330752342663
68	6900.0	0.7257938140182472	0.8442093419232484
69	7000.0	0.7305956370734765	0.8482054071656406
70	7100.0	0.739169536418909	0.8542060745890375
71	7200.0	0.732928248122897	0.8506156128722352
72	7300.0	0.7471844599132486	0.8598422437961557
73	7400.0	0.7366166309228803	0.8521318736456763
74	7500.0	0.7345794512403944	0.8495047397648913
75	7600.0	0.7391720711014775	0.8543856413775782

76	7700.0	0.7487142102590899	0.8605021758070682
77	7800.0	0.7596781588652025	0.8683382257238611
78	7900.0	0.751912343397633	0.8638144123310946
79	8000.0	0.7546463064541092	0.8646288006557825
80	8100.0	0.7665558117676703	0.8721290262820327
81	8200.0	0.749221261121542	0.8600376921814757

metadata

	epoch	lr_change_ratio	batch_mean_epsilon	batch_valid_ratio	batch_mean_grad_norm	batch_mean_epsilon	list
0	100.0	1.0	-1.0	-0.03125	-1.0	-1.0	
1	200.0	1.0	-1.0	-0.03125	-1.0	-1.0	
2	300.0	1.0	-1.0	-0.03125	-1.0	-1.0	
3	400.0	1.0	-1.0	-0.03125	-1.0	-1.0	
4	500.0	1.0	-1.0	-0.03125	-1.0	-1.0	
5	600.0	1.0	-1.0	-0.03125	-1.0	-1.0	
6	700.0	1.0	-1.0	-0.03125	-1.0	-1.0	
7	800.0	1.0	-1.0	-0.03125	-1.0	-1.0	
8	900.0	1.0	-1.0	-0.03125	-1.0	-1.0	
9	1000.0	1.0	-1.0	-0.03125	-1.0	-1.0	
10	1100.0	1.0	-1.0	-0.03125	-1.0	-1.0	
11	1200.0	1.0	-1.0	-0.03125	-1.0	-1.0	
12	1300.0	1.0	-1.0	-0.03125	-1.0	-1.0	
13	1400.0	1.0	-1.0	-0.03125	-1.0	-1.0	
14	1500.0	1.0	-1.0	-0.03125	-1.0	-1.0	
15	1600.0	1.0	-1.0	-0.03125	-1.0	-1.0	
16	1700.0	1.0	-1.0	-0.03125	-1.0	-1.0	
17	1800.0	1.0	-1.0	-0.03125	-1.0	-1.0	
18	1900.0	1.0	-1.0	-0.03125	-1.0	-1.0	
19	2000.0	1.0	-1.0	-0.03125	-1.0	-1.0	
20	2100.0	1.0	-1.0	-0.03125	-1.0	-1.0	
21	2200.0	1.0	-1.0	-0.03125	-1.0	-1.0	
22	2300.0	1.0	-1.0	-0.03125	-1.0	-1.0	
23	2400.0	1.0	-1.0	-0.03125	-1.0	-1.0	

24	2500.0	1.0	-1.0	-0.03125	-1.0	-1.0	
25	2600.0	1.0	-1.0	-0.03125	-1.0	-1.0	
26	2700.0	1.0	-1.0	-0.03125	-1.0	-1.0	
27	2800.0	1.0	-1.0	-0.03125	-1.0	-1.0	
28	2900.0	1.0	-1.0	-0.03125	-1.0	-1.0	
29	3000.0	1.0	-1.0	-0.03125	-1.0	-1.0	
30	3100.0	1.0	-1.0	-0.03125	-1.0	-1.0	
31	3200.0	1.0	-1.0	-0.03125	-1.0	-1.0	
32	3300.0	1.0	-1.0	-0.03125	-1.0	-1.0	
33	3400.0	1.0	-1.0	-0.03125	-1.0	-1.0	
34	3500.0	1.0	-1.0	-0.03125	-1.0	-1.0	
35	3600.0	1.0	-1.0	-0.03125	-1.0	-1.0	
36	3700.0	1.0	-1.0	-0.03125	-1.0	-1.0	
37	3800.0	1.0	-1.0	-0.03125	-1.0	-1.0	
38	3900.0	1.0	-1.0	-0.03125	-1.0	-1.0	
39	4000.0	1.0	-1.0	-0.03125	-1.0	-1.0	
40	4100.0	1.0	-1.0	-0.03125	-1.0	-1.0	
41	4200.0	1.0	-1.0	-0.03125	-1.0	-1.0	
42	4300.0	1.0	-1.0	-0.03125	-1.0	-1.0	
43	4400.0	1.0	-1.0	-0.03125	-1.0	-1.0	
44	4500.0	1.0	-1.0	-0.03125	-1.0	-1.0	
45	4600.0	1.0	-1.0	-0.03125	-1.0	-1.0	
46	4700.0	1.0	-1.0	-0.03125	-1.0	-1.0	
47	4800.0	1.0	-1.0	-0.03125	-1.0	-1.0	
48	4900.0	1.0	-1.0	-0.03125	-1.0	-1.0	
49	5000.0	0.1	-1.0	-0.03125	-1.0	-1.0	
50	5100.0	0.1	-1.0	-0.03125	-1.0	-1.0	
51	5200.0	0.1	-1.0	-0.03125	-1.0	-1.0	
52	5300.0	0.1	-1.0	-0.03125	-1.0	-1.0	
53	5400.0	0.1	-1.0	-0.03125	-1.0	-1.0	
54	5500.0	0.1	-1.0	-0.03125	-1.0	-1.0	
55	5600.0	0.1	-1.0	-0.03125	-1.0	-1.0	
56	5700.0	0.1	-1.0	-0.03125	-1.0	-1.0	
57	5800.0	0.1	-1.0	-0.03125	-1.0	-1.0	

58	5900.0	0.1	-1.0	-0.03125	-1.0	-1.0	
59	6000.0	0.1	-1.0	-0.03125	-1.0	-1.0	
60	6100.0	0.1	-1.0	-0.03125	-1.0	-1.0	
61	6200.0	0.1	-1.0	-0.03125	-1.0	-1.0	
62	6300.0	0.1	-1.0	-0.03125	-1.0	-1.0	
63	6400.0	0.1	-1.0	-0.03125	-1.0	-1.0	
64	6500.0	0.1	-1.0	-0.03125	-1.0	-1.0	
65	6600.0	0.1	-1.0	-0.03125	-1.0	-1.0	
66	6700.0	0.1	-1.0	-0.03125	-1.0	-1.0	
67	6800.0	0.1	-1.0	-0.03125	-1.0	-1.0	
68	6900.0	0.1	-1.0	-0.03125	-1.0	-1.0	
69	7000.0	0.1	-1.0	-0.03125	-1.0	-1.0	
70	7100.0	0.1	-1.0	-0.03125	-1.0	-1.0	
71	7200.0	0.1	-1.0	-0.03125	-1.0	-1.0	
72	7300.0	0.1	-1.0	-0.03125	-1.0	-1.0	
73	7400.0	0.1	-1.0	-0.03125	-1.0	-1.0	
74	7500.0	0.1	-1.0	-0.03125	-1.0	-1.0	
75	7600.0	0.1	-1.0	-0.03125	-1.0	-1.0	
76	7700.0	0.1	-1.0	-0.03125	-1.0	-1.0	
77	7800.0	0.1	-1.0	-0.03125	-1.0	-1.0	
78	7900.0	0.1	-1.0	-0.03125	-1.0	-1.0	
79	8000.0	0.1	-1.0	-0.03125	-1.0	-1.0	
80	8100.0	0.1	-1.0	-0.03125	-1.0	-1.0	
81	8200.0	0.1	-1.0	-0.03125	-1.0	-1.0	